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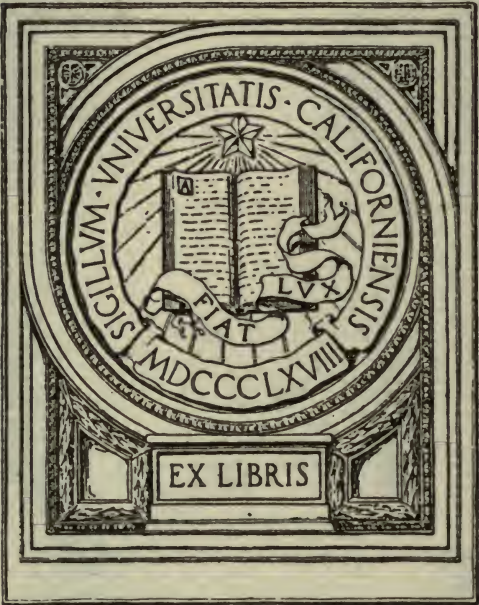


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AS IN 1840

OR THE



TEXAS IN 1840,
OR THE
EMIGRANT'S GUIDE

TO THE
NEW REPUBLIC;

BEING

THE RESULT OF OBSERVATION, ENQUIRY AND TRAVEL
IN THAT BEAUTIFUL COUNTRY.

BY AN EMIGRANT,
LATE OF THE UNITED STATES.

Land of the prairies, hail!
Of birds and music, of flowers and beauty,
Of loveliness and hope,—Peace be thy lot,
Joy thine inheritance, and Holiness thy praise!

WITH AN INTRODUCTION BY THE
REV. A. B. LAWRENCE,
OF NEW ORLEANS.

NEW YORK:

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BERNARD MOSES

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BY WILLIAM W. ALLEN,

In the Clerk's Office of the District Court for the Southern District of New York.

TO THE
HON. DAVID G. BURNET,
VICE PRESIDENT OF TEXAS.

SIR,

Permit this humble attempt to convey to the Public some just views
of the state, advantages, prospects, policy, and
destinies of Texas,

TO BE DEDICATED TO YOU,

As a feeble testimonial of respect for your character; of honor for
your patriotism, and of high estimation of your
talents as a statesman;

AND,

If other considerations need be mentioned, they will be found in
reference to the regard your domestic virtues and moral
purity are held by your fellow-citizen,

THE PUBLISHER.

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P R E F A C E .

THE author of the following pages, with the purpose of preparing to emigrate with his family to the rising young nation of the west, near the close of the year 1839, made a visit to several towns on its southwestern borders. After remaining a few days in these places, he was induced to spend some time in travelling in the interior. His method was to take short journeys, visit farm houses and villages, as well as larger towns, and to make enquiries of all classes of the people. In this manner he visited various sections of the republic, including the late and present capital. In the latter he spent some time during the session of Congress, and enjoyed the privilege of conversing freely and fully with members of that body, and various other distinguished individuals from every part of the country. Availing himself as fully as possible of every facility for gaining information respecting the situation, soil, climate, productions and prospects of the whole country, he feels a comfortable assurance that the facts and information contained in this publication, will be found interesting to readers generally, and especially useful to those, who, like himself, are looking towards Texas as their future residence.

As the writer's continuance in the country was limited, and his travels did not embrace the whole of the territory, he pretends not to verify every fact from his

own individual observation. Still, as he has derived much of his information from many of the oldest residents and men of the highest intelligence and worth, it is presumed that such facts will be found no less accurate than those he himself witnessed, while their connections and results are much more fully given than could be done by a merely passing observer. The object being to furnish information to others, especially such as might desire to make their home in this country, his design was to obtain facts and views for actual settlers, as well cultivators of the soil as of mercantile and professional men. The facts, conclusions and feelings thus learned, he has endeavored to embody in the following pages.

Should the effect of his work be such as to furnish useful information to the thousands who are flocking towards the new and rising star of the west, and to aid the country of his adoption in gaining to herself an industrious, intelligent, and virtuous population, the object for which he gives it publicity will be accomplished.

INTRODUCTION.

THOSE revolutions and changes in the political state of countries which dissever their parts and call into existence nations, which but for such revolutions must have ever remained unknown and unimportant provinces, are themes of interest to the mind of the philosopher, the politician, and the philanthropist. To the wise, the learned and inquisitive, such, from the nature of things must ever be the case, because all that relates to government, and especially all that induces the breaking up of old relations and established systems and the formation of new organizations, necessarily affect the happiness of men, and should teach lessons of wisdom in relation to both the preservation of old governments and the formation of new ones. History sustains the truth of the statement above, when she records the bloody struggles terminating in the expulsion of the power of Spain from Holland, the revolution which for ever expelled the house of Stuart from the throne of England, the deliverance of the United States from the power of Great Britain, and the revolutions that broke in sunder the last bond that bound any part of the American continent to the throne of Spain.

If any circumstance have lessened the strong interest naturally connected with such events, the frequency and greatness of the changes that have marked the overthrow of governments in modern days have been the cause. So numerous have been the revolutions in governments, so frequent the dismemberment of nations, so rapid the changes from a state of despotism to democracy, and from democracy to monarchy, that a mere recital of them would occupy pages, and the briefest history of them would fill numerous volumes. Who could recount the changes in Poland, France, the States of Germany, many of which formed for a season a cluster of kingdoms tributary to Napoleon, Italy, Holland, Spain, Portugal, and the manifold changes that have transpired on our own continent? In several of the above countries three or four radical revolutions have taken place in a few years. Still, on them and the peculiar events by which they were caused and terminated, political philosophers and moralists have meditated, and from them educed lessons of practical wisdom.

By the events which severed Texas from the power of Mexico, another class of facts and principles are presented to the investigation

of the wise. These will be the more interesting as the causes of this revolution differ essentially from the causes of all other similar events, with the single exception of that which produced the independence of the United States. In both of these innate love of liberty, general intelligence, knowledge of their rights, and a heroic purpose to yield nothing for themselves or children to lawless power, will be found to form an important class of the sources of revolution. Ambition of aspirants and reckless violence of men of desperate fortunes, or men exposed by their crimes to punishment, give no part of the coloring of the picture of the resistance of Texas to the authority of Mexico. High principles of religious and political freedom, ardent patriotism, generous devotedness to the cause of regulated liberty and lofty heroism, marked the character of the leaders in the great struggle of Texian independence. The causes operating to the same event in the Congress and Executive of Mexico, were the violent abolition of the Constitution of the country, the establishment of centralism, the attempts to enforce obedience to lawless authority, and to the authority of the priests. Against these, a people accustomed to be free naturally and almost necessarily contended; peaceably while they could, but forcibly, when by force they were assailed.

The emancipation of a nation from the manacles of religious domination, of whatever form, is ever a matter of interest to the lover of rational liberty, and will be hailed with delight by the true philanthropist of every creed. Every deprivation of the rights of conscience, every violation of the fullest freedom in religion is an outrage against the dearest and most sacred rights of man, a usurpation of a prerogative appropriate to God alone, and an attempt to control by physical force, that principle which mind alone can reach. Hence, every one who understands the nature of true liberty, and is not an enemy of the human race, must find in such events sources of sincere and cordial satisfaction. If all spiritual tyranny is odious and deserving of resistance, that form of it practised in Mexico and other Spanish countries is superlatively hostile to all that is valuable in freedom or precious in the rights of conscience. By the very first article of her constitution Mexico declared the Roman Catholic religion established, and declares that no other shall be *tolerated*. This religion, according to the established canons, vests in the priests the power to condemn without appeal for heresy, and requires the civil power to enforce their decisions by the sword, and in several countries by the faggot. This religion too, wherever its strength is equal to the accomplishment of such a purpose, excludes the scriptures from the community, and discourages learning among the common people. In every part of the world where popery reigns, the doctrine that ignorance is the mother of devotion, is practically taught by confining all the learning, reading and knowledge to a select few, in whom is vested the whole authority of the country.

Whether the advocates of these tenets admit it or not the above are

simple facts, and corroborated by a thousand circumstances. Wherever now popery is unchecked by other sects and infidelity, darkness of ignorance covers the land and gross darkness the people; the governments are absolute despotisms, or with the name of legislatures are connected the exercise of uncontrolled power. Indeed, where the priests through the confessional have access to the most secret family concerns of every individual, and through servants, etc. have spies in every household; and while they have the power of the civil sword to enforce their demands, as well as the fear of their power to effect secret ruin, and these priests become the organs of despotic power, it is difficult to conceive how real liberty and valuable freedom can possibly exist. If to these things be added the licentiousness of a priesthood who are, by their celibacy, tempted to the vilest libertinism, and separated from all the tender associations that bind men to society; and the further fact that they are all the sworn agents and defenders of a foreign and despotic, civil and ecclesiastical power, it becomes evident that spiritual and political tyranny is inseparable from any established, or even strongly prevalent Roman Catholic, religion.

From the establishment of such a religion, and from the uncontrolled power of such a priesthood, has Texas, by her revolution, been freed. So long as she continued subject to the government of that besotted and priest-ridden nation, liberty was but a name even if the people dared to speak of such a boon; education and literature, under one pretence or other, would be prevented; social confidence and free affection would be destroyed, because some one would probably reveal to the priest the secrets of the bed-chamber; thought, investigation or enquiry would be dangerous, lest any sentiments or principles deduced should be decreed by an assize of priests to be opposed to the tenets of the despotic bishop of Rome, and every thing desirable to freemen would necessarily be blighted by the withering influence of a superstition, which has degraded half of Europe by its influence, and deluged more than half its nations in blood. Over this triumph of free principles and the subversion of ghostly authority, we might expect the adherents of the Man of Sin to weep; but to our surprise, professed protestants, and professedly liberal protestants have joined them in their wail, and united with them to denounce the authors of these blessings as traitors, rebels and outlaws, because they did not tamely and without resistance submit to receive the mark of the Beast themselves, and affix it to their children. To the philosopher and Christian philanthropist is commended the task of developing the providence, the causes, the principles and course of events, terminating thus happily in the deliverance of a new nation from political and spiritual bondage, and the formation of a government upon a model fitted at once for durability and the security of the rights of the people.

A history of the present state, agricultural and commercial situation, and probable prospects of a young and yet unpeopled empire lying near

to our own borders, whose language, government, institutions and habits are like our own, abounding in fertile fields and nearly every advantage sought by the farmer, and which opens wide its doors to emigrants from every land, inviting them to come and partake of its liberty, its political and commercial advantages, without stint, saying to every one who chooses to plant his foot there, *Tros Tyriusve nullo discrimine agetur*, must contain a mass of information exceedingly important to thousands, not only in the United States but also in Europe. At all times there are great numbers of men who, by just arriving at maturity and commencing life for themselves, or from some of the thousand other causes which induce changes of abode, desire to remove from their former residence and choose a new home. While this is the fact, and while various portions of our own country and Great Britain are annually swarming like bees from the parent hive, they must desire to find some place where, with fair prospects of success, they may begin their new plan of business. Especially in a time like this of commercial distress, of fear, of doubt, and of the destruction of fortunes by forced collections of money, when very many enterprising, industrious and good men are cast afloat upon the agitated billows of life, it is exceedingly interesting to learn of a new country where, with comparatively little capital, men may enter upon business, may purchase farms, and lay secure foundations for future competency and prosperity. With the broken remnant of a formerly good estate, full many an emigrant has already sought the prairies of the new republic, planted himself upon their borders, and in not a few instances begun to see the dawn of new hopes, for not only support, but fortune.

When the man whose former plans and prospects have failed, is hesitating where to go and where to attempt again to provide for his family, to learn that within reach of his hopes is a land of exuberant richness, abounding in streams and springs of water, easily brought into successful cultivation, and withal inhabited by a people like his own, speaking his own language, worshipping his own God according to his own faith, with a government free, and just and prosperous, how joyfully will he turn his steps to the favored spot, and there found the beginning of his hopes, his family and country.

To Protestant Christians the events of Texas are further deeply interesting, as an indication of Providence in relation to the propagation of divine truth in other parts of the Mexican dominions. They do not expect, nor even wish to plant among the millions of nominal Romanists in that country the true gospel by either the sword or legislative enactment; but they do desire and expect to see the time not long hence, when constitutional and legal obstructions to the gospel will even in Mexico be removed. The example of Texas in this respect is already appreciated by the leaders of all those Mexicans who are opposed to the tyranny of centralism, and they openly proclaim their purpose to secure religious freedom and the benefits of education to the

whole people.* Public feeling, even in that region, is beginning to demand that the iron fetters imposed upon the mind and conscience shall be relaxed, if not utterly broken off and destroyed. These circumstances, with thousands of others, show that the dawn of gospel and civil freedom begins to be visible, spite of the fogs, mist and clouds which have so long brooded darkly over the fair fields and towering mountains of the land of Guatimozin. In connection with the independence and free government of Texas, the struggles of the Mexicans themselves for liberty, and the glimpses they occasionally have of the blessings of the liberty of conscience and the sound words of prophecy, unfold to the hopes of the benevolent Christian that at no distant day the sacred scriptures, accompanied by the voice of the preacher of righteousness, shall penetrate the inmost recesses of Mexico, and shed their hallowed light upon the minds of thousands who have never seen the bible, or heard the voice of one of the real teachers of the gospel of Jesus. When once the sacred wedge finds entrance into this region, its progress, though perhaps unequal and interrupted, shall be onward and onward, till it cleaves in pieces the compacted and mighty mass of darkness and error. Nay, Mexico herself will in the event appear to be but a suburb of the extended territory to be pervaded by the conquering power of the gospel of Jesus. Guatemala and all South America will feel the bland influence of the light of the Sun of Righteousness rising upon Mexico, and in due season, warmed by its beams, will glow in the light and burn in the fervor of Christian truth. Not all the obstinacy of long cherished superstition; all the ignorance induced by closing the bible against the laity; all the craft and influence of an interested and bigotted priesthood; all the stern enactments and decrees of tyrannical rulers; nor all the power of the fierce inquisition, can stop the onward progress of truth when once fairly put in motion, and impelled forward by the demands of public feeling, the impulse of Christian benevolence, and the power of God the Holy Ghost. Viewed then as the beginning of the downfall of Antichrist, and the spread of the Saviour's power of the gospel, the history and relations of Texas must furnish to the mind of the ardent Christian subjects of deep enquiry, delightful contemplation, and fervid thanksgiving.

Let but that part of the Mexican constitution, odious even to millions of Mexicans themselves, which prohibits the exercise of any religion but popery, be removed; let the people enjoy the privilege of listening to the voice of the heralds of the Cross, and reading the Word of Life for themselves, as they now desire to do, and how long could the ambassadors of Christ be kept from proclaiming in Mexico, that it is by neither might or power but by the Spirit of God that men are saved?

* These statements were made to a friend of the writer in Texas by the Commander-in-Chief of the Federal forces, who stated moreover, that the same views were held by all the leading Federalists of Mexico.

How long before the sound of faithful preaching, according to the scriptures, would be heard within the walls of the city of islands? And when both the Word and servants of God find entrance into the great city, how long before some of the wise and learned will embrace its simple and beautiful truth, and learn something of the glorious excellency of Emmanuel? When the preached Word, which is the lamp of God, shines amid surrounding darkness, some eyes will be enlightened, some hearts won, and new witnesses for God called to stand forth and testify the truth of the Lord.

In all the relations and prospects above named, the republic of Texas forms a subject of deep interest and importance. Its present state and future destiny are no less matters worthy of the inquiries of the historian, the philosopher and statesman. At this time its political position, aspects and relations, are those of a really independent and established member of the family of nations.

In these respects her existence has been practically admitted by several of the elder portions of this great family, and by two of them her independence has been formally acknowledged. Both of these have diplomatic representatives actually resident near the government of this youngest of the national fraternity. Yet strange to say, this incipient nation whose arms have successfully repelled the whole power of Mexico, does not now number two hundred thousand inhabitants altogether. At the time when she declared her independence, it is believed her whole population was considerably less than forty thousand. At her hour of doubtful conflict at the battle of San Jacinto, she retained within her territory still fewer numbers than just before.

Perhaps the history of revolutions records no attempt to assume national identity and being under circumstances more dubious, or, according to ordinary calculations, more rash. Casting themselves upon the chances of war and the providence of God, they put all to hazard, and soon exhibited the unprecedented spectacle of an infant nation victorious over its parent, and holding the supreme magistrate of that parent nation a prisoner of war. If such facts be strange, others no less so will bear honorable testimony to the generosity and kindness, as well as the heroism of the patriots of Texas.

A very few weeks previous to the final battle and victory, the President of Mexico, commanding in person the army which invaded Texas, wantonly, and in direct violation of treaty stipulations under which Fannin's troops surrendered, murdered the whole corps in cold blood. Acting on the same principles, he refused quarter to the brave little company that defended the fortress of the Alamo. His every act towards prisoners shewed the settled purpose to murder all who fell into his hands. Soon he in turn, with several of his principal officers, was made prisoner, not by a surrender upon stipulated terms, but by being captured and secured without a single word of pledge for his security. With a noble elevation of generosity the Texian officers

refused to retaliate, even upon the bloody author of these crimes, his own cruelty. If there be left in Mexico one spark of magnanimity, whoever of them possesses it must, in view of these facts, blush for shame at the degeneracy of his country, which has never attempted to wipe the deep stain of the murder of prisoners from its escutcheon, by disavowing the act or punishing the cowardly monster who perpetrated it.

Now this republic has settled and established upon solid grounds and truly republican principles, her form of government, taking, as far as circumstances would permit, the United States as her model. Her legislature with calm deliberation watches for the well-being of the nation. Her laws are equal and judicious; her people simple and orderly; her magistracy respectable; and peace among themselves is universal. Her population is sparse in most parts of the country, but is rapidly increasing in numbers; her militia, if not numerous, are patriotic and brave, and need, to call them promptly to the field, only to know that an invader's foot presses their soil. The rewards of agricultural industry are abundant, and the means of supplying what is necessary to subsistence are found in every portion of the country. Fearing nothing from Mexico, she is at peace with all the rest of mankind, and nothing indicating a ground of fear that these pacific relations will be interrupted.

Wherever the population is sufficiently dense the interests of literature have begun to receive attention. Numerous schools and academies have been already organized; several of which are taught by clergymen and others of high classical and scientific attainments. The institutions of religion too have also received a goodly share of attention and regard. Already a considerable number of respectable and pious clergymen are laboring in different sections of the country, and others are frequently passing into it. Among these clergymen are found Episcopalians, Presbyterians, Methodists, Cumberland Presbyterians and Baptists, who are all harmoniously laboring to diffuse the blessings of the gospel and to save sinners from death. Colleges have been chartered, and the primary steps taken towards putting them into effective operation. Perhaps few countries in the world, of the same state of political and commercial advancement, have made more ample and efficient exertions for the promotion of education and literature than the young republic before us.

The fiscal concerns of the republic and its currency are in some degree in disorder, which it will require a little time to correct. In these respects however, the situation of Texas is very far superior to that of the United States at the close of the revolutionary war. Though the treasury notes of the country have greatly depreciated, they still command money at a stated price, and if the wise legislation of the last Congress be persevered in they must soon appreciate, and in a very few years be equal in value to gold and silver.

The prospects of Texas in future are as fair as a fertile soil, a genial climate and healthful regions can render a country. To recapitulate by name the varied and abundant advantages possessed in this region, irrigated by an unusual number of pleasant rivers, abounding with lands prepared by Nature's hand for the plough; furnishing abundant subsistence, without culture or labor of man, for cattle and swine; and producing by cultivation, corn, rice, rye, buckwheat and oats, sugar, cotton and other crops, in great perfection, would transcend the limits prescribed to this part of the work, and anticipate an important part of the following pages.

Texas as it is, forms the subject of the book before us. To those who, like the writer of this article, have visited its waving prairies, traversed many of its elevated plains, marked the beauty of its scenery, noted the exuberant productiveness of its soil, marked the bland softness of its winter breezes, plucked some of the gay flowers that even in winter deck its verdant plains, and observed the numerous herds of sleek cattle and fat beeves that feed untended upon the wintry products of its prairie pastures, no part of the following statements will appear extravagant or exaggerated.

Should the influence of this little work produce a considerable increase of wise and virtuous population in the republic of Texas, and consequently find homes for many who would otherwise be subjected to the continued effects of the distress of the times; and should it induce many christians to plant in that country the germs of the future churches of the Redeemer, the writer and publisher will be entitled to the thanks of community, and the consciousness of having done good to their fellow men, both in temporal and spiritual concerns.

May a blessing from on High attend it.

A. B. LAWRENCE.

TEXAS IN 1840.

CHAPTER I.

Description of Galveston Island.—Horticultural pursuits.—Gardens productive in winter as in summer.—Abundance of fish and birds.—Deer fast disappearing.—Prosperity of the Island.—Steam packets, foreign commerce, etc.—Inundation by water.—Visited by yellow fever in 1839.—No local causes for disease.—Delightful situation for summer residence.—San Jacinto classic ground.—Description of Buffalo Bayou.—City of Houston and surrounding country.—Fine pasture lands.—Two routes from Houston to Austin, the new capital.

THE principal entrance by sea into Texas, as well as its most important entrepot of foreign commerce, is Galveston, a rapidly growing and prosperous town, situated on the eastern extremity of Galveston Island, and immediately adjoining the inlet of Galveston Bay. This island, like very much of the southern and south-western coast of the United States, is a low and level sand beach, and seems to have once been merely a bar or sand bank, some distance from the shore, and formed by the comparative stillness of the water at the point where the advancing and retreating waves met. The surface is composed exclusively of silicious sand, mixed with such vegetable and animal substances, as have from time to time mingled with it.

Though the structure of the soil indicates nothing favorable to cultivation, the whole island is covered with a luxuriant growth of grass, the annual burning of which, by accident or design, has utterly precluded the growth of every species of timber, only three trees being known to exist on its

whole extent of thirty miles in length. It is found also by experiment, that with proper attention to manuring, gardens become highly productive, and yield, in addition to many luxuries, abundant profits to their proprietors.

As might be expected, therefore, several enterprising individuals have lately turned their attention to horticulture, purposing to supply not only the town, but the numerous steam boats and shipping that constantly cover its wharves, with the healthful and delicate products of the garden. So far the result has proved highly satisfactory to both the owners and their customers.

It is a circumstance not to be forgotten, that in this climate these gardens are, with a short interval, nearly as profitable in the winter as at other seasons of the year. Nearly every month can furnish fine lettuce, radishes, beets, and peas, and thus regale the appetite of the northern traveller, as he arrives on the coast in winter, with the luxuries of his own summer season.

This island is indented by a number of creeks, or rather inlets, from the gulf, on the south, or the bay on the opposite side, extending, in some instances, more than half its width of two or three miles, and meandering considerable distances in other directions. These creeks, composed mostly of salt water, are the constant resort of numberless fishes of different kinds, including redfish, sheephead, salt water trout, etc. Here too are found frequent beds of the finest oysters, yielding an abundant and cheap supply of this delicacy to the whole island, and much of the adjoining coast.

If these waters are productive of the tribes of fish, they are no less so of various aquatic birds. Among all the waters intersecting the island, are found vast numbers of geese, brandt, ducks of numerous kinds, and nearly every variety of the smaller waders and inhabitants of the shores. In the same vicinity are found cranes and herons, pelicans and gulls in vast numbers. The sportsmen find abundant use for their

rifles and other fire arms, and the epicure no less relishes the fruits of the sportsman's labors. But whether the too eager pursuit of this game may not soon induce it to desert this once favorite spot, is a problem that it is feared will soon be solved. Deer, too, were formerly plenty in the central and western part of the island, but they are now seldom seen. Such probably may soon be the fact in relation to geese and some other birds.

The town or city of Galveston contains a population little, if at all, less than three thousand, when four years since nought was seen on its site but one unbroken beach and solitary strand. It now contains a great number of stores, six hotels, one Presbyterian church, two schools, one exclusively for females, and many valuable buildings in progress. The harbor is constantly dotted with numerous vessels of all sizes, and the flags of many nations. Several steam packet ships ply regularly between it and New Orleans, and a large number of steam boats take their departure hence for Houston, the Trinity, Sabine, San Jacinto, the Brazos, etc. The auctions, warehouses, streets, and custom house, exhibit clear marks of active business. Judging from the past, we may expect soon to see this infant city become a large and populous mart, in which the products of all nations will be found seeking consumers.

As drawbacks, however, upon these pleasing prospects, it should be mentioned, that once at least this town has been already visited with that fearful malady the yellow fever, and once a portion of the island was inundated by water, in consequence of a powerful tornado that forced the waters of the bay far over the surface of the land. The former of these evils, however, was confined to a very small part of the then small city, which, being without police, had no power to prevent the formation of a nuisance, to which the disease was attributed; and the other, though causing much alarm, was productive of little if any injury.

Perhaps among the regions of the south, no spot can be found better fitted for a delightful summer residence. Surrounded by the waters of the gulf of Mexico, the unchecked breezes of its broad surface shed their bland coolness over every part of the island, and entirely assuage the intensity of the otherwise oppressive heat of a southern atmosphere. Thus free from the rigors of northern cold, and enjoying a constantly refreshing breeze that removes the effects of the sun, it enjoys a climate of an enviable character. Without a single local cause for disease which cannot easily be removed, and in the midst of many advantages, this entrance into Texas gives to the emigrant pleasing promise of the interior, when its border furnishes so much to please.

From Galveston the course of most emigrants is by steam boat up Galveston Bay, northward to the river San Jacinto. This, though a comparatively small stream, will be ever hereafter memorable for the defeat and capture on its banks of the Mexican army, under the command of Santa Anna, on the 21st day of April, 1836, by which the war of Texian independence was virtually ended, and the liberty, religious and civil, of her people secured.

Viewed in this connection, well may the waters of this river be regarded as not only classic, but sacred to freedom, and the memory of the brave men who here, against superior numbers, conquered their armies, made prisoner of the chief magistrate of Mexico, and planted deep the pillars of their own national liberty. On this stream well may the men about to make Texas their country, pause and ask, what is the value of that sacred boon, deliverance from popish bigotry and Mexican tyranny, which was here purchased by the zeal and heroism of the little band who, with the cry of Fannin and the Alamo, rushed upon victory, and gave a name to the river imperishable as the principles of liberty which their valor secured. Ever verdant be the plain where freemen conquered;—ever dear the spot sacred to the glory of the new-born republic

Some distance up this river appears the mouth of its principal tributary, called the Buffalo Bayou, a small and narrow stream with considerable depth of water and elevated banks. Still narrow as the stream is, so much so, as to render the passage of two steam boats past each other somewhat difficult, it continues navigable like a canal, with high banks, some distance into the country. At the extreme head of this navigation stands the city of Houston, so called in honor of the Honorable Samuel Houston, commander of the Texian forces at the battle of San Jacinto. This was the late seat of government of the republic, but the Congress of 1838-9 appointed commissioners to designate a new site for the Capital of the country, who, after some enquiry, selected Austin, at the lower falls of the Colorado, to which point the heads of departments removed in the latter part of the year 1839.

Next to Galveston, Houston is probably the largest town in the republic, and, with the like exception, enjoys the greatest amount of commerce. Through the Buffalo Bayou it has a direct water communication with Galveston and New Orleans, and hence affords a very convenient market, not only to its immediate vicinity, but also to many of the fertile settlements along the banks of the Brazos and Colorado. Here vast numbers of emigrants almost daily arrive, and pass onward in various directions to the points of their several destinations; bearing with them full often wealth, taste, refinement, literature, and occasionally, an ardent and devoted piety, which it is hoped may like true leaven diffuse a sweet and healing influence all around it.

Houston is the seat of justice for the county of Harris, and here are its court house and jail. It contains, according to the latest accounts, somewhat more than two thousand inhabitants, has two schools, one presbyterian church, two printing offices, one daily paper, and two weekly ones. Here, also, are six hotels and numerous mercantile establishments. A company has been formed and chartered to make a rail road from

this place to some point on the Brazos river, and preparations are in progress for carrying the project into execution. It is proposed in a short time to establish a line of stages from this city to Austin, and the carriages and horses requisite are already in the republic.

It is situated upon a plain considerably elevated above the Bayou, but on or below the level of the surrounding prairie. The buildings are sparsely scattered over a considerable extent of ground, which gives them much advantage in relation to yards and gardens. A number of the houses, though mostly wood, are well built, and give pleasing evidence of the taste and comfort of the proprietors.

The country westward of Houston for some thirty miles or more, is a level prairie, with scarcely a sufficient inclination to carry off the water of the rains that fall upon it. The soil is a thin mould of dark earth resting upon a base of light colored clay, which can scarcely be of much value except for grazing purposes, as is further evinced by the presence and pillars of the crawfish. This prairie is, however, interspersed with occasional wood lands and streams, in the vicinity of which are found considerable tracts of fertile and valuable land. These latter portions might be appropriated to the plough, while the wet lands could be allowed to remain a common, open to all who should choose to use it for purposes of pasture, the grass being exuberant and very fine. Between this place and the Bay there is a considerable amount of good land, and a large quantity of valuable pine timber, but which will probably soon disappear before the busy axe of the white man.

In passing from Houston into the interior, two distinct routes are open to the traveller, one by the way of San Felipe, and the other by the way of Washington and Independence, both towards Rutersville, Bastrop, and Austin. In order more clearly to understand particulars respecting the country, several extracts from a journal kept upon a journey on the latter route are here inserted.

EXTRACTS FROM A JOURNAL.

CHAPTER II.

Enter upon the undulating country.—Desirable situations for family residences.—Flocks of deer seen feeding and sporting on the prairies.—A settler's views of the country.—Vegetables, fruits, nuts, etc.—Rapid multiplication of stock.—The country increases in beauty.—A family of emigrants.—Indian depredations.—Reflections.—Productiveness of the bottom lands.—Wild rye.—Singing of birds.—Lovely May weather in January.—A hunter and his dogs—Wild cat.—Lady travelling unattended.—Brazos river.—Town of Washington.—Texian cotton.—Soil easily cultivated.—Great liberality.—Pet fawn.—Heavy forests.—Seven plantations at one view.—Religious privileges.—Schools.—Temperance society.—Great productiveness of the soil, stock, etc.

“January 1st, 1840. Having obtained such rest and refreshment as the place afforded, we started forward at about nine in the morning. After travelling a few miles, a change in the character of the country became pleasingly evident. Instead of the flat and unvaried surface of the former days, we found ourselves upon a rolling or undulating country, with pleasing interchange of hill and valley, prairie and woodland. From the beauty of the elevations, the gentleness of the slopes, and the fertility of the grounds, we regarded many spots as being exceedingly eligible for location and family residences, nor could we forbear to anticipate, that at no distant day these will be occupied by a dense and active population. Among other pleasing views of the day, we saw flocks of deer feeding quietly or sporting gaily among the prairies. From their

numbers it would seem as though they enjoyed here an undisturbed residence, but their flesh appeared so often upon the tables of our hosts, as proved that their harmlessness afforded them, even here, no protection. Herds of cattle in fine order, appeared here and there, feeding leisurely among the woods or plains, and in one place a flock of sheep, the first we had witnessed in Texas.

“At night we put up with a planter from Tennessee, a gentleman of intelligence and plain manners. He had resided in that place but about ten months. His circumstances appeared to be quite comfortable. He stated that the country possessed abundant advantages, that farmers particularly have every inducement to emigrate, the soil producing bountifully every essential cultivated in the United States, with not exceeding one third of the labor there required. He particularised, as crops which he had himself noticed, rye, oats, Indian corn, buckwheat, onions, etc., all of which, he stated, succeeded exceedingly well, surpassing in general the best products of the same kind in Tennessee; the article of sweet potatoes he had known to grow almost beyond belief, a single one often weighing eight pounds. Among fruits not known in the states, he described as common in Texas what he styled the bush plum, resembling in color and general appearance the cherry, though much larger. Peaches are produced here in great perfection, being equal to the very best found in the United States. Apples have been to some extent tried and have succeeded. Wheat also has been successfully cultivated, so that it is no longer problematical whether that most delicious of all grains can be produced here, still it may likely succeed better in more northern sections of the country. All the varieties of the walnut found in the United States abound here, and in addition to them the peccan* which is a very delicate variety of the hickory nut. With occasional exceptions, the

* The peccan is found also in several parts of the United States.

nuts and acorns of the forest furnish sufficient food for extensive herds of swine which range at large and fatten without expense to the owners. All the feeding they require will be to keep them tame and attached to their home. Cattle of all kinds, he continued, increase with astonishing rapidity, needing neither shelter nor other expense to the owners. Ten months since, said my landlord, I had but two hogs, the increase from which at this time amounts to forty head, which is but a fair view of the multiplication of that kind of stock. Domestic fowls are equally prolific, continuing to lay eggs throughout the whole winter.

“Whole herds of cattle, consisting of many hundreds, belonging to the settlers, branded and registered according to law may be seen feeding on the luxuriant grass of the extensive and beautiful prairies of this country.

“January 2d. The country passed over this day surpasses in beauty even that noticed yesterday. The rolling country appears now fully before us, affording views and prospects which are truly delightful—eminence succeeding eminence, till the low and flat prairie country has entirely disappeared. The extended landscape furnishes such a view as to a yankee would seem the perfection of beauty in hill and dale, and excited in us a propensity to possess some portion of a land destined, at some future day, to rival in wealth and beauty the fairest portions of the world. In richness and fertility some of the elevated prairies this day passed over, exceeded any thing that we had before witnessed in this or any other country. The soil seemed composed of a black and friable loam of great depth and strength, fitted at once for producing abundant crops and for long continued fertility. Possessing all the advantages of a rich bottom, with the warmth and dryness of uplands, they combine excellencies of soil seldom found in any part of the United States.

“Put up for the night with a family just about to remove to a neighboring plantation, and give place to a purchaser who

had lately emigrated from the state of Mississippi, with his family of twelve persons. With these he had travelled by land about seven hundred miles, four hundred of which were in Texas. He stated that, in that distance, since entering the republic, he had not passed over five miles at any time, too poor in soil to warrant a farmer in cultivating it for profit. The lady about to remove, in conversation, mentioned that since coming to Texas this was her second removal; in the first, about three years since, she found her house surrounded by a party of hostile Indians. With a part of her family she fled, and providentially made her escape. Two men however of the household, while in defence of the fugitives, were butchered, and their bodies afterwards found near the house. The lady never returned to reside at the place of death, but took up her residence at the farm she was now leaving in peace.

Such circumstances may in part explain why the settlers in such a country, have been slow in making extensive improvements in their houses, orchards and gardens. Scarce able to defend themselves and families from the murderous savage, they had little leisure or inclination for the indulgence of taste and luxury. But now it is believed such scenes are for ever at an end. No more, in most parts of Texas, "shall the war whoop awake the sleep of the cradle." Now, in the broad expanse of the prairies, the deep jungle of the forest, of the bottoms of the rivers, or rambling among the loftiest hills, no apprehension need be felt for the loneliest traveller, much less for the wife and little ones around the domestic hearth. Now may the settler find a time, not only to sow his field and collect together the numerous herds of his cattle, but may also plant his pride of China, his evergreen vine, and cultivate his vineyard, and in peace enjoy the bounties of his bending orchard. Soon, very soon, it is believed, that the gardens and fruiteries of Texas will rival the finest of like ornaments, not only in the new, but the older states. With

a soil and climate admirably fitted for such purposes, nothing is wanting but a very little exertion to render her shrubberies and grounds the pride of the western continent."

"January 3d.—Leave at eight in the morning for the town of Washington, situated on the Brazos river, a distance of about ten miles, and passed through a piece of low flat woodland of several miles in extent, called the Brazos bottoms, which in fertility and productiveness is not exceeded by any lands in the world. Some of these, or like lands, have, it is asserted by men of unquestioned veracity, produced four thousand pounds of seed cotton upon one acre for a single crop. In passing through some of the less lofty timber of these bottoms, we were struck with the perfect freshness and greenness of the grass, which wore more the appearance of flowering spring than of the rigors of mid winter.

"On enquiry, we learned with some surprise, that what we regarded as grass is in fact a native indigenous rye, which springs up late in the autumn, continues entirely green and succulent during the winter, and in spring shoots up to seed and dies like the cultivated crops of that grain. Some individuals have gathered portions of the seed, and find it to be really and truly rye, as clearly as is that cultivated by the farmers in the states. Where this is found in abundance, it affords a pasture equal to the finest summer pastures of New-England. It seems likely, however, soon to be so severely grazed upon, as to prevent it from successful seeding, and hence may soon cease to be valuable.

"In this woodland the birds were singing with all the vivacity and sweetness of spring, the weather was mild as a northern May or June, and woodpeckers, of which there were many varieties, were heard in every direction. In our progress through these bottoms we met a hunter, accompanied by five or six stout and fierce-looking dogs, carrying slung upon the barrel of his rifle the skin of a large wild cat which he had shot, and the carcase of which the dogs had just de-

voured as their share of the game. On our admiring the size of the skin, and the delicate softness of its fur, he very kindly offered to present it to us, which we gratefully accepted.

“At the distance of several miles from any visible human habitation, we met a lady on horseback, with an infant in her arms, attended only by a servant girl on foot and a little dog. She was riding leisurely along with an air of perfect security, courteously nodded to us, as we passed, and went on. So little apprehension of danger is felt here, either from Indians, Mexicans, or from the rudeness of the dwellers in these new regions.

“This day we crossed the Brazos river at Washington, which stream is here about fifty yards wide, with a sluggish current of about two miles per hour. The water is at present low, but when at its height the current becomes rapid, being equal to six or seven miles per hour. At such times the water is exceedingly turbid, and strongly tinged with red, like the Red river in Louisiana, whence many have inferred that the names of this and the Colorado rivers, have by some mistake, been changed. The name of this river *Rio Brazos de dios* signifies the river of the arm of God—the Colorado signifies the Colored or Red river.

“The town of Washington is the seat of Justice for Washington county, and pleasantly situated near the west bank of the Brazos, about one hundred and forty miles from the sea coast, and seventy-five miles from Houston. It contains a population, including the residents of its immediate vicinity, of about six hundred inhabitants. Here they have a very respectable academic school, under the direction of a well qualified and able teacher.

“Spent the night very pleasantly at the house of a respectable planter, lately removed to this country from the state of Mississippi. He has resided on this farm about one year, for which, when entirely unimproved, he paid two dollars per acre. He has now about seventy acres under cultivation, a corn

mill wrought by four horses which yields a daily profit of ten dollars. His cotton gin is nearly completed, and the press for the same entirely ready for business. He planted the last season about twenty acres in cotton, the quality of which upon examination appeared equal to any we had ever seen. He considers the cotton lands superior to any in Mississippi or Florida, and equal probably to any in the world. Two thousand pounds to the acre he regards as an ordinary crop, which may be obtained with much less labor than is usually bestowed upon like quantities of land elsewhere, one hand being able to attend to a crop of fifteen acres. For other crops he regards the land as equally favorable. As a specimen of the productiveness of the soil, and the feelings of the people towards new settlers, he stated that a planter no great distance from himself, from a field of five hundred acres of corn, has now about fifteen thousand bushels to sell, for which there is a great demand to supply the wants of the floods of emigrants. This planter instead of demanding cash, and the highest price for this grain, proffers to all the settlers who have not had time to make their own crops, to loan to them corn for their family purposes, to be paid when they should be able to do so from the produce of their own fields. Such generous liberality and kindness well deserves to be recorded, not only as a testimonial of the worth of an individual, but as an example worthy of imitation by all who desire to be regarded as patriots or friends of humanity.

“January 4. While at breakfast with the family of our hospitable landlord, I was gratified and surprised to see enter the door and approach the table a beautiful female deer, having a small bell suspended at her neck. With perfect familiarity she received her breakfast of corn bread, and departed to seek its wonted pastime in the woods and prairies. The landlady remarked that it thus came every morning and disappeared till the morning following.

“This day’s journey lay for a considerable distance through

heavy forests, found for the most part in the valleys or bottoms of the streams which intersect the country. From these we would again emerge, and by gentle ascents climb the summits of the rolling prairies, the elevation of some of which must be very considerably higher than the waters of the ocean.

“The views from the highest of these is, in some cases, exceedingly beautiful and picturesque. In every direction appear the rounded tops of the undulating prairies, dotted here and there with the verdure of a branching and aged live oak with its brilliant foliage, while occasionally appears a level plain unmarked by aught but the wild deer and cattle that crop its still green herbage. Skirting these, with ever-varying lines, may be traced the hill and valley woodlands, the latter marking, by their indented borders, the courses of the streams to whose banks they furnish fringed edges. So soft, so gentle are all the changes, and so marked with verdure and fertility, that every variation gives new delight as awakening fresh scenes for human happiness and comfort.

“From one of those elevations we could at once see seven plantations newly formed, proving the rapidity and success with which population is increasing. From the same point the whole horizon seemed bounded by mountains that intercepted the view before the eye could find the level of the ocean, but what seemed mountains, proved, upon further investigation, to be merely a succession of gentle hills like those around us, and like them fitted to delight the eye of the traveller, or yield abundance to the labors of the husbandman.

“About fifteen miles in a westwardly direction stands the little but interesting town of Independence. It contains about one hundred and twenty-five inhabitants, two respectable schools, one for males and the other for females, which appear to be well sustained and under the direction of excellent instructors. One of the school houses is used also as a place of worship, and occupied alternately by baptists, methodists, and presbyterians. Here, including a number from the sur-

rounding settlements, is a temperance society embracing about sixty members.

“In every direction from the town the country is thickly settled with industrious and intelligent farmers, who, while intent upon the labors of the field, are not unmindful of the education of their children, and the privileges and duties of the church of Christ. Here resides the Rev. Hugh Wilson, of the presbyterian church, a missionary, and missionary agent of the General Assembly's Board of Missions, a man well fitted to exercise a happy and diffusive influence in a new and rapidly settling country. Here, perhaps as fully as any where in the republic, are at present enjoyed the privileges of the religion of the gospel and of good education.

“Mr. Wilson has resided in this place something more than one year, and clearly expresses his opinion, that for exuberance of soil, mildness and amenity of climate, and healthfulness of the country in general, Texas possesses advantages equal to any country in the world, and superior to any part of the United States which he had seen. In his opinion, a good and competent living may be here more easily obtained, and property more readily acquired by industry, than in any section of the western country whatever. In illustration of these opinions, he said, that swine, and all the varieties of cattle, grow upon the hands of the farmer without care or effort; that the milk and butter here made are excelled by none in the world. Poultry, which furnish so many of the finest delicacies of the table, frequently increase a hundred fold in a single season. Mrs. W. assured the writer, that one parent hen would rear one hundred chickens in a year, and that she herself had had that increase in her own poultry yard the last season. She further remarked, that chickens hatched in the spring would produce their own broods in the Autumn. In short, the domestic fowls continue to lay their eggs and produce their young the whole of the year.

“Similar testimonies of the rapid and unexampled multipli-

cation of domestic animals, and the little care and expense of rearing them, were received from many persons of the highest respectability, and were wholly uncontradicted. Taking these statements as true, and uniting with them the fact that the soil is productive beyond the ordinary fertility of good lands in the valley of the Mississippi, and the conclusion is irresistible, that for farming purposes Texas affords greater facilities than can be found in the very best parts of the whole United States.

"Jan. 5. The sun arose this morning with a light and warmth resembling some of the finest weather in May in the city of New York. We breakfasted with our kind and hospitable host with the doors wide open. The air was balmy and soft, and no disposition was felt to approach a fire more than in midsummer. As if to complete the image of Spring, a blue bird, "that sweet harbinger of Spring," at the north, was heard just by, carolling its sweet song with all that enthusiasm and vivacity which renders it so great a favorite. Notwithstanding this delicious softness, which frequently occurs in winter, the heats of summer are so mitigated by the almost unremitted breezes, as to be less oppressive than they frequently are at New York and Philadelphia. A clergyman, (the Rev. W. Y. Allen, of Houston,) who spent two summers in Princeton, New Jersey, declares, that in Princeton and Philadelphia he often suffered more, especially in the night, from the heat, than he has ever done in Texas.

"In some parts of this day's journey, we observed landscape views more beautiful and enchanting, if possible, than any we had yet seen. The country and scenery were evidently, though by almost imperceptible shades, improving, as we advanced into its interior. Many of the views actually surpassing the most splendid scenery we had ever observed from some of the more commanding heights upon the Hudson river. To compare them with those formerly described would be difficult, and yet upon the mind there rests an image of extent and

mellowness somewhat richer and more pleasing, which can be far better imagined than expressed.

"Near sunset arrived at the residence of one of the oldest settlers in Texas. Soon after our arrival, it being Saturday night, the Rev. Mr. Wilson before named, accompanied by another clergyman, also arrived, in order to preach the day following in a neighboring school house. It is pleasant to observe that christians in the United States are not forgetful of these dwellers in the wilderness, but send to them, by the hands of faithful men, the precious words of eternal life. Though no deep-toned bell called together the solemn assembly, yet even here the solemnity of the sabbath could awe the heart, and call from their rustic dwellings these tenants of the wild, and bid them remember the Lord.

CHAPTER III.

Regard for the Sabbath.—Preaching in a settlement.—An eccentric individual.—Indian anecdotes.—Causes of enmity to the Indians.—Abundance of game.—Utility of dogs in Texas.—Sufferings of the settlers during the war of independence.—Travellers seeking settlements.—A waggoner's opinion of Texas.—No Mosquitoes in the upper country.—Preparing for conflict with Indians.—A border family.—Indian Massacre.—Pursuit and destruction of several Indians.—Hard lodging.—Town of Rutersville—Its academies and prospects.—Town of La Grange.—Rich pastures.—Fat cattle.—Butter and cheese staple commodities of Texas.—Wild Turkeys.

“JAN. 6th. Sabbath. The family with whom we spend this day, appear to pay as much respect to its sacred authority, as do most families in the state of Connecticut, or other parts of New England. The blessing of God was invoked upon their morning repast, the children were all neatly clad in their holiday garments, and the little girls, of which there were several, were all dressed for the sabbath school. At the usual hour we all, ten or twelve in number, attended by the two clergymen before named, proceeded to the place of worship. The congregation was considerable, filling up the academy where they met. The attention was serious and respectful, and all was as orderly and decorous as in the best regulated religious communities. The sermon was able, solemn, and well adapted to the hearers, such as would be respectable in a more advanced state of society.

“In the afternoon we visited an eccentric individual, who, with no other associates than his dog and chickens, lives in his cabin alone in the border of the forest, only visiting occasionally the grounds of the person at whose house we were

staying. He is an aged Frenchman, who has been many years in the country, and has formerly been a soldier of Texas: In giving some reminiscences of his life in the early settlement of the country, he related several anecdotes of Indian character and Indian warfare. Unlike many modern writers who delight to paint Indian character in fair colors, he spoke of them and of the Mexicans in terms of strong dislike and disgust. In many instances, he said, the greatest troubles with which the Texian army had to contend, were the depredations and robberies practised by the Indians who were professedly friendly. These were constantly lurking about the camps and stealing every thing of value within their reach.

"Among other instances, he mentioned that once being left in charge of the camp equipage, while his messmates were abroad on duty, he left his place for a few moments to procure water from the river Guadalupe, which was just at hand. While here, he caught a glimpse of an Indian gliding swiftly through the thickets towards the river above him, with a blanket he had just stolen from the camp. He immediately fired upon the savage with a rifle, but without effect, as the Indian pressed on into the stream. By the time he could seize another gun, and be ready to fire, the red man had nearly attained the middle of the river with his booty. He again fired, and it would seem with better aim, for the thief sunk and was seen no more, while the stolen blanket was observed floating down the current.

"How the narrator's mind was affected by such events, did not appear otherwise than by an apparent perfect indifference.

"At another time, he said, an Indian was shot at night, while crouching at a corn crib attempting to steal the grain. In the morning it was found to be a woman, who by the shot had both her knees broken, and had died of the wounds. This incident must certainly awaken regret, as there is too much reason to conclude, that the unhappy woman was induced to

the act by the cravings of hunger, or perhaps by the cries of her starving children.

“ In another place, while the troops were encamped at night, and their horses tied on the prairie to feed upon the grass, a dark object was seen to approach one of the animals. On being fired upon the figure disappeared. In the morning a trace of blood was followed some distance to a hollow, where a wounded savage lay. On being interrogated why he attempted to steal the horse, he remained silent, in either haughty sullenness or else in despair. An officer present then presented his rifle, and asked him where he would be shot, he opened his bosom, pointed to the centre of his breast, and was immediately pierced by a ball at the place indicated. A rope was then attached to his legs, by which the body was dragged some distance and hung upon a tree, as a warning to other Indian depredators, where it remained for several months, and until eaten up piecemeal by the wolves and vultures.

“ If such severities towards the natives seem to partake of too much cruelty, some palliation for it may be found in facts like the following, related by the same recluse and lonely man. It was my lot, said he, for some time to reside in the neighborhood of two families from Kentucky, by the name of Dougherty, nearly related by marriage, and living very near together. These were attacked at night by a party of Indians, and all put to death. The houses, and, as was supposed, all the deceased were burned up; but some months afterwards a young man to whom one of the murdered ladies was about to be married, discovered the remains of his affianced bride in a thicket, knowing her by the mark of her name upon her corset, which yet remained distinct. Probably after being mortally wounded she hid herself in this place, and there awaited her end. Were this young man to feel the strong risings of indignation towards the murderers of his beloved, and return upon them some part of the pangs they inflicted, would not charity at least palliate the crime ?

"Jan. 7th. Our host has resided 17 years in Texas, and having been long engaged in surveying lands and in cultivating the soil, is perhaps as well qualified to judge of the relative advantages and prospects of the country as any man in it. He conceives that Texas furnishes greater facilities for the labourer than any other country in the world. Every thing necessary to the convenience and even comforts of life can be obtained with less effort and difficulty than elsewhere. His house and plantation both indicate that he is well aware of the advantages of his situation, the former being one of the best houses we have noticed in the country.

"This section of the republic forms a part of what was originally Austin's colony, most of which is described as being fertile and pleasant, as any section of the United States or Mexico. While it produces, whenever cultivated, abundance of grain, cotton or sugar, the woods and prairies abound with game of every description, from the smallest to the largest kind, except the buffalo (bison,) which seems in flying from the face of the white man to have deserted this section of country. Accompanied by his five large dogs, our host stated he could at almost any time bring home a bear, a deer or two, or other valuable game.

"Packs of large and powerful dogs are kept by most of the planters, for the avowed purpose of repelling or destroying such wolves and other beasts of prey as would injure their stock. Though for these purposes they are certainly useful and desirable, they were formerly in all probability more necessary still to keep in check the approach of the silent and wily savage, who would otherwise enter the hamlets of the sleepers by surprise, and perpetrate many more deeds of blood. These vigilant guardians of their master's homes, have probably been one of the most efficient means, of keeping at a distance from the houses of the settlers the murderous hordes of Indians, that could be devised, for seldom indeed will the red man risk the effect of the waking white man's shot by

night or day. Now, however, it is hoped that this use of canine guards will no more be necessary. The sleepers in the farthest hut upon the prairie, as far west at least as Austin, may rest secure from any sounds more fearful than the varied cries of the wolves that roam in search of food, but which always keep at a respectful distance from where they hear the watch dog's note of defiance.

“ The sufferings of the early settlers from the incursions of the Indians, while under the government of Mexico, and during the war of independence, from the merciless and savage ferocity of the Mexicans, were greater than people at a distance can well imagine. In the winter of 1835-6, the country was invaded by an army of Mexicans, under the command of Santa Anna, the President of Mexico, in person. The progress of this army was marked by every atrocity which characterises a civil war among barbarians. Prisoners, to whom terms of surrender had been granted, were murdered by hundreds in cold blood. No age, sex, condition or character has any protection from the violence of such foes. As they advanced to the Colorado, the Texian army under Gen. Houston retreated towards the Brazos, and the inhabitants, in accordance with the advice of the commanding general, left their homes with all they possessed, except a few articles which they could carry with them, and fled eastward, literally “ not knowing whither they went,” or at what point it would be safe to leave their helpless and destitute families.

“ At this time the sufferings of the Texian women and children were intense ; fleeing towards the lower country, over a territory much of which was yet unsettled, without a covering from the storm, and without even the prospect of obtaining the most common necessities of life, in an inclement season, and pursued by worse than even savage foes, they suffered many of the terrors of famine, cold, nakedness, and fear united. To fly exposed them to want and the most bitter privations, to stay was to endure insult, pollution and death. Yet many

would-be-christians and philanthropists in the United States and Great Britain, could look upon this scene with indifference, while they represented the violation and butcheries of these Mexican hordes, as only the just punishment inflicted upon incendiaries and traitors.

“From the statements of eye witnesses, including the Rev. Hugh Wilson, it appears that some months after “the flight,” as this season was appropriately called, large amounts of mutilated books, and broken valuables, were seen scattered along the roads taken by these fugitives, either dropped by the flying families or thrown away by the plundering Mexicans. It would be impossible, said the same Rev. gentleman, to picture the wretchedness and distress of the whole people from this time, till the truly glorious battle of San Jacinto terminated the conflict, and enabled the wandering fugitives to return to their plundered and deserted homes.

“While stopping for refreshment at the house of a planter, five travellers rode up, and enquired the price of land in that neighborhood. Our host informed them that there was but little there for sale. All that part of the country was in private hands, and very few if any exhibited a disposition to part with what they had. From all that passed it appeared that the price of land is slowly but steadily rising, and that in a few years Texian lands will be prized as highly as those of any other country. These horsemen appeared to be substantial farmers, probably from some part of the Western States, who are seeking for positions in which to spend their days, or for the establishment of their children. Similar companies are now almost daily met, traversing the country, in its length and breadth, searching out choice locations either for themselves or their friends, being almost universally delighted with the country and its prospects. What renders this conclusion nearly certain is, that many of the choicest sons of Tennessee, and other southwestern states, have already settled with their families in the country, and that additional multitudes from the

same quarters, are constantly arriving who have similar objects in view.

"Jan. 8th. This day, as usual, passed through a country interspersed with woodlands and elevated prairie. Numerous flocks of birds were frequently flying up before us, and the meadow larks sung sweetly to us on either hand.

"Overtook a teamster driving a four-horse wagon, with a load weighing twenty-five hundred pounds, bound for the city of Austin. He had been about twelve months in Texas, and though by birth a Virginian, he had resided a long time in Missouri. From conversation with him, to obtain information, it appeared that he thought Texas far preferable to Missouri for farming purposes, that he enjoyed better health, and added that here he was not tormented to death by mosquitoes. Being asked if he had not found that insect troublesome during the last summer, he replied that he had not seen a dozen since coming to the country. In answer to a question, as he resided upon an elevated prairie, whether he did not find the heat of the sun insufferable in an unclouded summer day, he said that so far from the sunshine being more oppressive than in Missouri or Virginia, it is a great deal less so, from the prevalence of the winds during the day, which rendered living in the open prairies quite agreeable.

"As the sun was about to set, we were apprised of being in the neighborhood of company by startling and sharp cracks of rifles at no great distance. For a short time we were unable to determine from whence the sounds came, but on passing a projecting point of the forest, we found ourselves close upon an unfinished house. At a little distance in the woods stood two young men, loading their rifles, to make further trial of their skill in the use of that deadly weapon. One of these was a small man and apparently quite young, the other remarkably large, athletic and powerful. Their appearance was sufficiently rustic for every forest or hunting purpose, and their language and conversation smacked strongly of

the spirit of border fighting and hatred to the Indians. They had learned but a few hours before, from a traveller, that Indians had been seen further up the country, (whether friendly or not they seemed not disposed to enquire) and hence they were thus preparing for such emergencies as they supposed might likely transpire.

"Having obtained permission to put up with them for the night, and been ushered into the only habitable apartment in the house, we discovered that the inmates consisted of the elder of these young men and his wife; the young man, his mother and three other younger children. All these resided in the same little apartment, which constituted their parlor, bedroom and kitchen.

"Soon after we were seated, the elder young man joked his wife about her fear of the savages, asking if she would not dream of Indians for the whole night. Her answer was low and indistinct, but appeared to imply quite as much fear of him as any thing else. In answer to a suggestion that the Indians mentioned by the traveller might be a company of friendly Indians, and not disposed to do mischief, the young husband with a mingled frown, sneer and angry laugh, answered, "friendly! Yes, they will all be friendly enough if once they come in the range of my rifle." This remark was received by the junior members of the family, with a laugh of pleasure. It required but little penetration to discover, that our hosts were accustomed to the vicissitudes attendant upon settlers in the borders of the haunts of savages, and that to them sporting and the killing of Indians were merely synonymous terms.

"A large wood fire, the only light to be obtained, threw its imperfect glare upon the countenances of the circle, and produced an appearance of ghastliness, which was any thing but pleasant. This, added to the evident roughness and recklessness of character exhibited in the husband, rendered our abode here less desirable than some other places we have seen else-

where. Soon, however, the bacon was fried, the hominy prepared, and supper, consisting of little more than these, announced. The elder lady then directed her little girl to hold up the lighted pine knot over the table, and by this light we partook of our simple but abundant repast.

"Alluding to what had before been said, our hostess, whose thin and pale countenance, her shining and unsteady dark eyes, grizzled and dishevelled hair, rendered her appearance almost haggard, remarked with great bitterness, "I am afraid these cursed Indians, will never give me peace more. I was in hopes I had heard the last of them. My family has been butchered, and I have been driven about by them till my soul is sick of life."

"Being asked if her family had suffered much from the savages, she replied, (turning her wild and piercing eyes upon me,) "Have they! Yes, all my family have been murdered by them, except these children. That boy," pointing to the younger of the men we found practising with their rifles, "had three balls planted within an inch of his life. One of my sons, my two sisters, and my old father and mother were all cut to pieces on new year's night a year ago, (January 1st, 1839."

"After supper, from conversations with the family, chiefly from a lad of about twelve years old, we obtained a narrative of the facts alluded to, of which the following is the substance. The parents of the old lady at the close of the year 1838, resided near the falls of the Brazos. On the night of the following New Year's day, her father, mother, two sisters and two sons, with a young lady from a neighboring settlement, who was on a visit to the family, were sitting before a large fire round the table, listening to the eldest son who was reading to the company from a song book; when a sudden rush was made upon the door by a party of Indians. The youth who was reading was immediately shot through the head, the young lady who sat next to him was cut through the skull

with a tomahawk, and the rest of the family cut to pieces in an instant. The younger brother, who has been frequently mentioned, sprang through the midst of the enemy, gained the door and fled, quickly followed by a number of bullets, none of which, however, took effect upon his person, though three pierced his clothing.

“He escaped with all speed to the nearest settlement, about six miles, giving notice of the attack, and especially informing the father of the young lady of the murder of his daughter. A party of ten or a dozen men, of whom the escaped young man was one, immediately formed to pursue the murderers. Without an hour's delay they started, and followed the enemy most of the night. At length they lost the trail, and were reluctantly returning to their homes in despair of meeting and chastising these midnight assassins. Suddenly, however, they came upon their foes near the house of one of their own number. Here an immediate and terrible onset was made upon the savages, which resulted in the death of several Indians and one white man, the remnant of the red men escaping only by the rapidity of their flight.

“Such are some of the events with which many of the new settlers have been compelled to become familiar; and such scenes of violence and cruelty have produced in many of the people that feeling of hatred towards the Indians, that would induce them without scruple, at every opportunity, to put them to death. Still, it ought not to be imagined, that this indiscriminate hostility to the natives is universal; it is probably confined to such of the border settlers, as have been the more immediate and bitter sufferers by the depredations of these sons of the forest.

“In due time after supper we were shown to our lodging in an outer apartment, only partially covered by a roof, and that part far from being water proof. Our bed consisted of a quilt spread upon the floor, and our covering of another we brought with us. The upper parts of the room were occupied

by the poultry, whose frequent noises, and the dripping of the rain which now began to fall upon us, as well as the house, rendered sleep a difficult though a desirable business.

“ January 8th. Arose with the first dawn of morning, and hastened forward to Ruttersville, so called in honor of the Rev. Martin Ruter, D. D., the pioneer and first general agent of methodist missions in Texas. He died on the field of his labors, and left the work to be completed by others, which he had already auspiciously commenced. There appears a peculiar appropriateness in the name of this town, when it is remembered that it is intended to be consecrated specially to literature and religion, and that from it all gambling, and the sale of spirituous liquors, are strictly excluded.

“ Arriving at Ruttersville near noon, we soon perceived that its location on the summit of one of the most elevated prairies of the republic, was admirably fitted to secure the health of the inhabitants, as well as furnish delightful views of the surrounding country, which, to the eye of the curious, might be said to resemble, by its varied appearances of live oak and post oak groves upon the heights and cedar forests along the valleys, mingled with frequent prairies, the scenery of a tastefully and thoroughly cultivated country of the old world. The town is yet small, having been designated for the purpose but little more than a single year. Already two edifices have been erected as seminaries of learning. These, however, are intended as a mere beginning or foundation of a future college, and extended female institutions of learning.

“ The Rev. C. Richardson and lady, late of Tuscumbia, Alabama, both of whom sustain high reputations as teachers, are already engaged in their several departments of instruction.

“ Situated at a distance from navigable waters, or extended water power, the place seems not especially adapted to commercial enterprise, but well fitted for retired literary and scientific pursuits. The methodists, Cumberland presbyterians,

and baptists, have frequent, if not regular seasons of preaching, and it is believed that churches of each of these denominations exist here.

“ Situated forty miles from Bastrop, and but five miles from the Colorado river, it is near the centre, east and west, of the republic. The high moral and religious tone of the community, the excellent measures taken to preserve the purity of public morals, and prevent evil influences upon the young, together with the spirited exertions of the friends of learning and education, seem well calculated to secure for it the confidence of those who would select a residence, with special reference to the education of their children.

“ Arrived at evening at the little town of La Grange, near the banks of the Colorado, and put up at the inn, with the best accommodations we had found on the road. Nearly opposite this place, on the other side of the river, is another small town called Colorado City. In neither of them however is found any thing remarkable.

“ Jan. 9th. Proceeding at an early hour on our way, we passed for some distance through a dense forest. From this we sometime before noon entered upon a beautiful bottom prairie, embracing some thousands of acres. Scattered over its surface at various points were seen herds of cattle and horses feeding leisurely upon its but partially discolored herbage, and extending as far as the eye could reach. Some parts of this natural low meadow appeared to be equal in richness to any we had ever witnessed, and in the various copses of woodland which skirted it in different places, the cattle were lying at their ease, lazily chewing their cuds, or luxuriating in the long grass or wild rye. From every appearance, many of them were fitted by their fatness to make excellent beef.*

* Subsequent enquiries fully justified this conclusion, as all the beef sold at the market in Austin was of similar cattle, which had not been fed with grain.

“ With her unnumbered thousands of acres of such lands, equally productive in pasture and grain, in cotton or sugar, why may not Texas shortly become a store house of provisions and raw materials for the world? In all that pertains to the dairy she may outvie a Cheshire in England, or Goshen in New York, for over them she possesses several important advantages. No deep snows or keen frosts of winter, shut up the earth or destroy its herbage, so that it yields no winter's nutriment, nor do cattle in the coldest storms require other shelter than is furnished by a protecting forest, and which again affords protecting shade in the heats of summer. Let but the hand of industry, enterprise and skill which marks the conduct of the northern farmer, here be put forth, and soon shall Texas smile at once the granary and the Montpelier of the Western world.

“ As we journeyed forward a flock of wild turkeys crossed the road a few rods before us, manifesting very little alarm, barely by their short note expressing their suspicion of us as intruders.

CHAPTER IV.

Meet travellers from New York.—A negro's opinion of farming in Texas.—Rough country.—Town of Bastrop.—Discovery of the bones of a mammoth animal in its neighborhood.—Flourishing plantation.—Indian anecdotes.—Female courage.—Cedar forests.—Difficulty in crossing a creek.—Natural vineyards.—Enter Austin.—President's house the first object seen.—General description of the city when six months old.—Indians.—Their degraded state.—Wandering through the streets almost in a state of nudity.—Fall of water in the Colorado, suitable for manufacturing purposes.—Beautiful marble.—Building stone.—Neighborhood of Austin remarkable for its beauty and fertility.—A Linnean garden of fifty acres.—Austin desirable as a place of residence.—Its interior position giving it immunity from crimes and immoralities consequent upon maritime cities. Sabbath in Austin.—General respect for Christian observances, etc.

"ARRIVING in the evening at a house on the edge of an extensive prairie, we were pleased to discover that the sitting room of the dwelling was already occupied by travellers, who had by some hours preceded us. It was a family consisting of three ladies, one infant child, and a gentleman, all recently from the state of New York. It was truly gratifying to meet in this region ladies from the north; they will surely make lovely tenants of the prairies, nor less pleasing ornaments of the woodlands. How pleasant to meet here the smile of female welcome, instead of the bloody knife of the savage. The gentleman, it appeared had previously visited the country, and finding a place to his taste, was now bringing his family to Bastrop, a town on the Colorado, intending it for their permanent home.

"The proprietor of the house and plantation where we lodged was absent, but his lady, and she by her intelligence, modesty

and good sense, merited the title, used every exertion to make our night's sojourn agreeable. In answer to the enquiry how she liked Texas, she said very much. She had resided in the country something more than a year, and all the plans and enterprises they had adopted were prospering beyond their most sanguine expectations. Every necessary for family use could easily be obtained in abundance, and many luxuries were already beginning to be enjoyed. Among the latter, an epicure might have named the article of bear's meat, which some think no uncommon delicacy, the skin of a large one, killed but a day or two previous, then hanging on the outside of the house.

"Willing to gain information from every source, we enquired of a negro man, one of the plantation hands, how he was pleased with this country, he replied, "O a heap better as Alabama, Sir, where we come from. This country make easy work for farmer. Every thing grows here 'out much trouble."

"Jan. 10th. Proceeded on our journey, accompanied by our new acquaintances, the gentleman with the two elder ladies and child in a light covered waggon, drawn by two horses, and the younger lady on horseback. The young Miss galloped off over the level plains with the gaiety and sprightliness of a fawn, looking towards her future home with all the buoyancy of hope and expectation. It was no less pleasing than unexpected, to see on these far western plains of Texas, a young lady, gaily coursing her steed in evident security over grounds where, but a short time since, none but the bravest of the other sex, and armed to the teeth, dared to be seen abroad.

"A portion of the country over which we passed this day was very poor, and exhibited a strong contrast with most of what we had before noted. The land was composed, for much of the way, of either loose sand or coarse gravel, similar to what is usually found on the beach of the ocean or larger lakes. The growth upon it consisted of yellow pine, a portion only of

which appeared fit for sawing, and stunted trees of different varieties of the oak, principally of the kinds called post oak and black jack. The surface was cut up into ridges, between which were found small streams of water, which however probably dry up in summer. In some parts of this region, spite of apparent sterility and frequent fires, grape vines appeared almost as frequently as might be desired in a vineyard. The fruit as represented by residents of these natural vineyards, is often large and of high excellence.

“ This new feature in Texian scenery continued but for part of the day. Just before arriving at Bastrop we descended from this elevated range upon a wide and beautiful prairie, nearly all of which has been enclosed in fences, and is yielding its rich products to the hand of the husbandman. Bastrop is the seat of justice for the county of Bastrop, and situated on the eastern bank of the Colorado river. It seemed fast rising into importance, having in its vicinity, in addition to its stores, inns, etc., two steam mills, but the establishment of Austin, within thirty miles, as the capital of the republic, drew from it many of its most enterprising citizens, together with a considerable share of its monied capital. Still, situated in the heart of a fertile district, in the immediate vicinity of almost the only pine timber in a great distance, it is probable it may remain a considerable and respectable town.

“ About two miles from this place, in a prairie, Gen. Denys discovered a horn and several bones of a very large animal, supposed to be now extinct. The following description of them is in the words of a letter from the finder, and hence may be relied upon as correct :—

“ ‘ When you was in this place I had the satisfaction of shewing you some specimens of bones, which, I am told, are the largest that have as yet been discovered on the habitable globe. I have had a number of travellers, and some of them scientific gentlemen, who have called on me to see them ; and

they all agree that they exceed any thing in natural history, or of the present day—the large bone of Kentucky not excepted.

“The bones which I have fortunately procured so far, are the horns, jaw-bone, and teeth of some mammoth, of which history gives no account. The great Mastadon is said not to have horns; but I have nearly a perfect horn, six and a half feet in length, nine inches in diameter, or twenty-seven inches in circumference; also, part of a tooth, say one-third of it, weighing about sixteen or eighteen pounds, and about one-third of the lower jaw or socket, of the same weight.

“I still have hands employed in excavating the earth, and am in hopes of shewing that Texas, although young in the annals of history, can produce the largest bones that have yet been discovered.’

“Whether any further discoveries have been made does not yet appear; but the horn and other parts of the animal here named, are in such a state of decay, as renders it doubtful whether the remainder if found would be valuable. Enough however has been obtained to show, that at some former period, animals of a size and power now scarcely to be conceived, found in these fertile regions a home adapted to their wants, which, as we presume, yielded full supplies for their most eager appetites. But what was the nature, and what were the habits of this giant dweller of the prairies? Though we cannot positively decide this question, it is at least highly probable that it was like the ox or bison, a graminivorous and pacific creature, cropping with them the grass and shrubbery, and leaving, except in defence, the rest of the quadrupeds to enjoy unmolested their various propensities. The fact of its having horns like the ox, and the form of the tooth, seem highly to favor the above supposition.

“At the close of the day arrived at a large plantation, where we discovered a comfortable house, several large barns

and stables filled with grain and provender, and put up for the night. Our hostess appeared to be a lady of piety, of the baptist persuasion. She regretted deeply being deprived of her former religious privileges; but consoled herself in the hope of seeing better times. She had been in the country about two years, and in that time she and her husband with a few servants have brought into cultivation an extensive farm, while around the house were seen a number of thrifty peach trees, now nearly covered with green leaves, some of which will probably yield fruit the present season. Thus, new as the country is, they are in the midst of abundance, and enjoy every luxury which so short a residence in any could be expected to furnish. The barn-yards and fields about them, seemed alive with large numbers of horses, oxen, cows, calves, colts, swine and fowls, implying that their stock of these animals must be quite large.

“She said the Indians had given them very little peace till within a short time. At different times these plunderers had driven away and destroyed most of their hogs, cattle and horses, and twice had she been compelled to flee in haste from home, and suffer in common with the neighbors, all the privations and hardships of those whose only home was the forest, and whose only covering the clouds, and whose only dependence for food was upon such grains or fruits as could be found in the field, or game that might be taken in the forest. Sometimes, when pressed by their foes, the people were compelled to wander for days together, through marshes and wet grounds to avoid danger, while in want of the merest necessities of life. A sister of hers in particular, she said, when flying from the Indian murderers was exposed for several days and nights to all the vicissitudes of the weather, her feet constantly wet, and her health in a delicate condition, yet was she so favored as not even to take cold or suffer any subsequent injury from it.

“ She has a son-in-law, now living in sight of her residence, of whom she related the following. He had for some purpose ventured a considerable distance from his house, when he was shot down by the ever watchful foe of the white man, receiving a ball in his neck and three barbed arrows in his hip and side. In this wounded and helpless situation, a large Indian approached him, and placing a foot on each of his shoulders, passed his knife round his head, and then tore off the scalp. This was the last thing of which he was conscious for many hours, but when he awoke found himself surrounded by his friends. He still lives in the enjoyment of tolerable health, though that part of his head from which the scalp was removed still exhibits a very unnatural appearance.

“ The following incident related by the same lady, and confirmed by several others, transpired during the winter of 1838-9. A Mr. C. and one of his sons were engaged in ploughing near the house, Mrs. C. in the garden sowing seeds, and another son sitting on a fence conversing with two men on horseback, when a party of Indians appeared. One of them shot Mrs. C. in the neck with an arrow, she barely was able to get into the house where she expired. The horsemen fled, Mr. C. and the son on the fence escaped to the thickets ; the son who was ploughing with his father, rushed into the house where his mother was dying, and the younger children hidden under a bed. Here his body, with that of his parent, was found pierced through with a spear, though it is presumed that he bravely defended her to the last, as several guns were heard by the fugitives, and three of those in the house were found discharged. Either from fear of the arrival of other white men, or from the effects of the young man's fire, the Indians departed without disturbing the children under the bed, or searching the thickets for those who fled. Had equal bravery and devotion been exhibited by the father and the horsemen named above, it is probable that brave youth might

still live to defend a father's life as he did the ashes of his mother.

"The following also was related by the same lady, and afterwards confirmed to us by the mother of the children whose story is related. A Mr. H. residing near the Colorado with his large family, had sent three of his sons one morning to the forest upon some errand, when, at the cry of a child that a heap of people were coming, they looked out and saw a large party of Camanche Indians on the prairie, apparently in conversation with two laborers belonging to the family. Mr. H. directing those in the house to be prepared, took with him two guns and passed some distance toward the Indians, whom he saw shake hands with his laborers. Scarce had their hands parted, when one of the men fell pierced through with a spear, the other fled for life, but soon fell, as an arrow passed quite through his body coming out at the breast. A daughter of Mr. H. had by this time clothed herself in her brother's surtout and hat, and called to her father to return to the house. He did so, and with the rest of his family guarded it till the Indians departed, dreading all the time lest the lads sent into the forest had fallen into the hands of these merciless robbers.

"In this state of painful and anxious uncertainty, they remained till late in the night, when a noise of unusual character being heard, the mother exclaimed, they, meaning the Indians, are coming again. It soon however appeared that it was the eldest of the absent lads, who had cautiously approached the smoke-house to obtain some food for his younger brothers, and ascertain if possible the fate of their parents. He had already secured a good piece of bacon, and now ascertained the joyful fact that all the family were alive and unhurt. He stated that on coming out of the woods they saw the Indians, and were discovered by them in turn; that they fled to the river, swam across, and lay hid in a thicket without food till late in the night. The younger brothers complaining much of hunger,

he directed them to remain where they were, while he would go to the house and attempt to procure provision. In the morning the sorrows of the family were assuaged, except for the unhappy laborers, whose death they now deplored.

“January 11th. The first woodland we entered this day contained a large proportion of red cedar, (*Juniperus Virginiana*,) and extended for some distance along the road. Many of these trees were large and tall, giving promise to future settlers of abundant materials for building and durable fences. Occasional copses and borders of cedar and live oak (*quercus sempervirens*) gave pleasing variety to the landscape throughout the day. The prairies, as usual, were level, covered with long grass and occasional thickets, composed mostly of water dogwood, (*cornus florida aquatica*) with here and there a solitary tree of the acacia family, here called musquit. Population appears to be considerably numerous, though the settlements have but lately commenced, and houses appear from almost every elevation.

At no great distance from our last place of lodging, we arrived at a large creek, of some twenty yards in width, though the water was not deep. Owing to the soft mud deposited in its bottom by the late rains, the passage was somewhat difficult and tedious. In the midst of this water and mud our carriage gave way, the horse taking the shafts and forward wheels with him up the opposing bank, while the body, baggage and hinder wheels remained quietly resting midway of the stream. With the aid of our philosophy, however, and after several hours labor, we succeeded in uniting the parts of our broken vehicle, replacing in it our baggage and getting again under way, thankful indeed that it was no worse. Fatigued by our exertions at the creek, we put up at an early hour, having travelled but a short distance.

“Our host, who is an emigrant from Kentucky, has resided two years in Texas. His plantation is fine, and his prospects are fair for success and opulence. He is an intelligent

farmer, and seems to be enthusiastic in his admiration of the expected blessings about to fall upon the new republic. His family had indeed been troubled by the predatory incursions of the Indians, but he is confident such disasters can no more occur.

"January 12. Our journey this day lay over alternating prairies and gentle eminences, covered with sparse woodlands, in both of which innumerable grape vines clustered upon the shrubbery or lay extended like the vines of the water melon along the ground. Many places indeed appeared as though they had been intended for vineyards. The character of the country for fertility and beauty fully sustaining a comparison with that we had before passed. About two or three o'clock we came in sight of the city of Austin, the new capital of the republic.

"The first object that attracted our attention was a white house, designated as the residence of the President. "On that spot," said a traveller on horseback by our side, pointing to the President's house, "I for the first time saw a buffalo. It was in May last, and he was feeding in perfect quietness." It is situated upon the top of a considerably elevated and finely rounded hill, in the front of which is an inclined and level prairie, while in its rear and on the right and left are clusters of oaks of different kinds, all entirely in the state in which they were placed by nature's hand. It commands from its front a fine view of a considerable and beautiful prairie, extending to the Colorado on the south, on which, extending more than half a mile from east to west, are seen clusters of small houses, mostly of logs, and timbers, either in heaps, or just begun to be laid as foundations of future dwellings and places of business.

"On the right, at a little distance from this house, in a beautiful valley, extending at nearly right angles from the river, some distance towards the extreme north part of the city, is a broad and beautiful street, called Congress Avenue,

passing through the whole extent of the contemplated city. On this street are erected temporary accommodations for the several secretaries and heads of departments. At a little to the westward of these on another eminence, and nearly opposite to the mansion of the President, stands a neat white building, at present occupied by the two houses of congress. Farther south on the same street, and not far from the centre, are found the hotels, stores and most densely built part of the town.

At this time the population is estimated at about one thousand souls, and is rapidly increasing. Some idea of the mushroom rapidity of its growth may be formed from the fact, that less than six months since not a stone was laid, or a blow struck upon a piece of timber, nor even a tent spread, where now, in addition to the citizens, are congregated the two houses of congress, the chief officers of the military and naval departments, the secretaries and attorney general, the justices of the supreme court of appeals, with their officers, attorneys and suitors.

“For beauty of situation, the city of Austin and neighborhood exhibits at once delightful variety and perhaps unexampled symmetry of parts, presenting next the river an expanded and beautiful plain, which at some distance arises by a gentle slope, except where the elevation is divided by the charming valley through which extends Congress Avenue. The summits of these opposing hills will in due time be surmounted by splendid public buildings, in which art and taste uniting their powers with those of nature, will give to this beautiful picture its completion of elegance. On the right and left again of these grounds, places are already selected upon which to erect temples for the worship of the Most High. Perhaps at no other place can so many elements of beauty, salubrity and elegance, in a new city, be found united.

“The views also, from both these elevations, of the country for some distance on the opposite side of the Colorado, are

such as would give delight to every painter and lover of extended landscape. As the face of the country ascends by a continued succession of gentle acclivities, each somewhat higher than the last, and most of their summits crowned only with grass, while their feet are bordered by shrubbery and timber, a great distance up and down the river, and as well as at a distance from it, is presented to view. As yet these grounds, affording such pleasing prospective, though exceedingly fertile, remain untouched by the hand of industry. When each of these slopes, among which are no doubt many springs of clear water, shall be studded with hamlets and covered with waving grain or flowing cotton, who could look upon them but with delighted eye? And surely such changes cannot be far distant, though now but one solitary and aged settler tenants the whole visible region.

“Scattered through the town we discovered a considerable number of Indians, who seemed to have visited the place for purposes of trade, as some of their horses carried packs of buffalo and other skins. Their dress and appearance betokened little resembling refinement or civilization; boys and girls of eight or ten years of age passing about the streets entirely in a state of nature, or with a single rag wrapped about their middle. Numbers of the men seemed to possess no other clothing than a slight cloth girdled about their waist. They were said to be Tonkewas and Lipans, two small tribes who are generally hostile to the Camanches, and of course in amity with the whites. In contests with the Indians they seem to be regarded with but little respect as combatants, but are very valuable as guides and scouts, in searching for the trails and hiding places of their foes. The pacific relations and small numbers of these Indians, prevent any apprehension from them, and hence they arrive and depart at any of the towns and settlements without awakening fear or suspicion.

“A mile or two above the city is a considerable fall in the Colorado, furnishing to future enterprise extensive water power

for all purposes, whether of grinding grain or other species of manufactures. It appears to be the opinion of some that this power may be used to any desirable extent. At and above these falls is found an abundance of very pure and valuable limestone, furnishing a lime which, for whiteness and strength, is believed to be unsurpassed. Some specimens of this stone, of which too there are extensive masses, were exceedingly compact, fine grained, and beautifully variegated. From every indication it would seem that they were susceptible of a very high polish, and if so will hereafter be denominated elegant marble.

“Near the city are also found two other varieties of stone, one of which is white, and so soft when taken from the quarry, that it may be easily cut with a saw, axe or other tools of the carpenter, but which, on drying, acquires a hardness believed to be sufficient for building purposes. It has been used as yet only for chimneys and hearths, and that for so short a time that its qualities are not fully tested. By no experiments yet tried has any carbonate of lime been detected in it. The other variety seems to be an impure limestone, and fitted only for rough walls and foundations.

“The country in the rear and vicinity of Austin is a beautifully undulating region, of fertile prairies, wood-crowned knolls, meandering valleys, enclosing small streams whose banks exhibit serpentine rows of cedar, elm and live oak timber, mingled with dense shrubbery. Scarce a spot, it is believed, can be found within some miles of the city which would not by its fertility well reward the labor of the agriculturist.

“From the character of the soil, especially its marly nature, little doubt exists that this whole region will be found well adapted to the culture of wheat and all kinds of grain, and also favorable to the growth of apples, pears, quinces, and all the fruits which succeed in the southern parts of the United

States. In these opinions we are strengthened by some few experiments, and the observations of many men of intelligence and observation, who have turned their attention to the subject.*

“Should the seat of government remain permanently fixed in this place, which is now highly probable, this whole region must soon smile not only with plenty, but with whatever can charm the eye, or gratify the palate of the luxurious.

“The position of the city of Austin is indeed far in the interior, being more than one hundred miles from the nearest point, now visited by sloops or steam-boats. This difficulty will however probably be soon obviated, in part at least, by improving the navigation of the Colorado, and the construction of rail roads, connecting the city with one or more of the navigable streams or bays of the republic. By uniting the advantages of the river navigation with rail roads, there is much reason to believe that in a few years the capital of Texas will be regarded as being quite as accessible as is now the city of Washington.

“If its seclusion from the coast be accompanied with some inconveniences, it is productive also of some very considerable benefits, among which may be named its security from invasion by any maritime nation. No power it is presumed would risk its forces so far from the sea coast, to destroy the records and buildings of the nation, in order to imitate the maraud of General Ross in burning the capital at Washington. Another advantage of considerable importance is its comparative freedom from being infested with the hordes of drunken sailors, convicts from foreign prisons, and loafers which

* A gentleman from one of the Atlantic States is now commencing a nursery and Linnean garden of fifty acres in extent, intending to supply the whole region with the very best varieties of trees and plants to be found in America.

deluge so many of the maritime cities of the United States, and furnish so much labor for the officers of police and of criminal justice. It is believed by many judicious observers that the stream of the Colorado can be rendered navigable for small steam-boats through a considerable part of the year, and during its high waters it will even now admit of being used to convey the produce of the country to market.

“Jan. 12th. Sabbath. The day was remarkably fine, resembling rather a fine day in the early part of June in the northern States than the middle of January. The streets were nearly empty, the stores closed, and the stillness of all around proved, that even here, the authority of the command to remember the sabbath day, was recognized. While we trace the westward march of the star of empire, may we not expect that with equal speed the beams of the star of Bethlehem will delightfully illuminate the path of the heralds of worldly power? and that wherever the temples of political power ascend, there too will be found the gospel to consecrate the dome and regulate the influence of authority?

“Attended divine service in the Senate Chamber. The auditory was large and highly respectable, comprising in it most of the members of Congress and heads of departments, with their families. Before sermon a little son of Judge B., Vice President of the republic, received baptism. A sermon was then preached by the Rev. Mr. Lawrence of New Orleans, and listened to with a solemnity and feeling which showed that the assembly felt the sacredness of the occasion. After sermon the sacrament of the Lord's supper was administered by the Rev. J. F. Crowe, D.D., Vice President of West Hanover College in the State of Indiana. Nineteen persons united in this feast of love, including some of the highest officers of the government, and one negro servant, whom these christians publicly acknowledged in the brotherhood of Christ. The whole service was marked by such a degree of decorum, dig-

nity and solemn seriousness, as to make one forget that he was not in a church set apart for religion, and surrounded by a thousand associations of sacred character.

“The afternoon was appropriated to the organization of a Sunday school society, auxiliary to the Methodist Episcopal S. S. Union in the United States. After an address by a clergyman of that persuasion, a constitution was adopted and a subscription taken up, amounting to one hundred and twenty-nine dollars, when the meeting adjourned till the next Lord's day. At night another service took place, in which a large assembly were solemnly and faithfully addressed by the Rev. Dr. Crowe, who is now acting as a missionary of the Board of Missions of the General Assembly of the Presbyterian Church. His services seem to be highly appreciated, and can scarce fail to be eminently useful.

“Here, there are two sabbath schools, a primary school has also been lately established with fair prospects of success, a house intended to serve as a Presbyterian church and academy, is in progress of erection, and another church in contemplation. Such facts related of a town situated upon the outmost borders of civilized population, and not yet six months old, must, to every reflecting mind, be as gratifying as they are uncommon and surprising.

CHAPTER V.

Cross the Colorado above Austin to visit the highlands.—Fine farming country.—Splendid views.—Mountains seen in the distance.—See traces of the buffalo.—Petrified shells.—Texas once submerged by the waters of the Gulf of Mexico.—Two captive buffalo.—Visit an aged settler—His exposed situation.—His last conflict with the Indians.—His opinion of Texas as a farming country.—A novel spring—Its limpid waters.—Beautiful singing birds.—A wolf.—Visit to Gen. Burleson.—Fight with the Cherokees.—Texian troops drive in 25,000 head of buffalo.—Gen. B's account of the upper country.—Texas the store house of the western world.

“JANUARY 16th. In company with Col. G., one of the longest residents of the city, prepared for an excursion across the Colorado, for a few miles to the highlands, as they are inappropriately called, being in fact nothing more than elevated prairies, the ascents of which were but moderately steep, and, like their tops, covered with a luxuriant growth of grass, and occasional patches of timber and underwood; very little indeed being too steep to prevent the convenient use of the plough and other instruments of husbandry. At a distance they appear indeed a range of large hills, but the traveller is surprised on finding himself upon their summits, without having encountered more than a gentle acclivity of a moderate elevation. Here he perceives himself in the midst of a region, undulating indeed, but bearing all the marks of great fertility and adaptation to agriculture.

“Though mounted on good horses, we found the fording places over the Colorado, to our unpractised habits, a subject of some alarm. The water in one place was so deep that our horses' bodies were half buried in the stream; the current was

rapid, and the footing beneath rough and uneven in consequence of the presence of considerable sized loose rocks, over which our horses sometimes stumbled. Though the animals snorted and seemed reluctant to venture into the stream, having lifted our feet from the stirrups nearly upon the animals' backs, we soon found ourselves safely landed on the other side. Here departing from what appeared to have been an old Indian road, we took a mere trail, and were soon upon the woods-tufted knolls and open elevated prairies.

"Having enjoyed for a short time a view on one side of the receding ranges of continuously rising hills, with their diversified forms, and on the other the course of the river, on whose farther margin the city of Austin, like Aladin's palace, seemed to have arisen in a night, we pursued our course to the highest point of land which appeared in view.

"Here the prospect was at once extended, grand and beautiful. Up the Colorado, whose banks, fringed with thick forests, could be traced for some distance, were seen also a considerable range of literal mountains or large hills, the ascent of which is in many places steep, approaching to precipitous. Limestone, if it do not compose the principal part of these mountains, is at least found among them in inexhaustible abundance. Other valuable minerals are also believed to exist here, the presence and uses of which, it belongs to the future to unfold.

"Down the stream far as the eye could reach, appeared interchangeable flats of even bottom, with its forests, level and elevated, prairies invested with their fleeces of thick herbage, and tufts of woodland, either covering the summits of hills or skirting their bases like the border ornaments of a splendid dress. In front and rear the same appearances before described, were unfolded, except as the view was enlarged, and as greater distance threw a softness like a thin veil of gauze over the landscape.

"Nothing we had ever witnessed of magnificence and beauty, mingled with soft and pleasing imagery, could compare.

with what is here presented. Winter as it is, and clouds occasionally dimming the brightness of the scene, we could not but feel unwilling to quit a spot presenting to the eye so many things on which it gazed with delight.

“Here, as in most other places in Texas, the whole grounds we had passed wore indubitable marks of great productiveness. The various grasses which cover its entire surface, though embrowned by the frosts, form a coat like a thick covering of fur upon the skin of the beaver, and prove clearly the fertility of the soil. The climate too is mild and pleasant, such as we should think finely adapted to mitigate or relieve diseases of the chest. Though it is now mid winter, our surtouts are thrown open, because uncomfortably warm, the breezes are bland and soft, and the laborer would no doubt choose to divest himself of both his coat and vest.

“Traces of the late visits of the buffalo were frequently visible, large numbers of which it is said are now feeding on the prairies at no great distance. We picked up among the elevated prairies several petrified shells, evidently of the oyster kind. How they should ever have come to this place would seem a mystery indeed, unless, as some suppose, at least, the southern half of Texas was once covered by the waters of the gulf of Mexico. On this subject and several others, our mind, like many others, has been busied with multiplied conjectures, which however we deem it unnecessary to record.

“Before returning to town, we paid a visit to an aged man, the only resident we believe in the neighborhood on the southern side of the river. He showed us two young buffaloes about half grown, which he had domesticated. Their appearance was sufficiently uncouth and rough to imply their savage state. He has resided here for some years in the midst of the forest, or rather an elevated prairie. He has frequently been exposed to imminent danger of destruction from the natives, but has strangely escaped to the present time, to old age and future probable security.

“His last adventure with them he related to us nearly as follows. Being on one occasion, a few weeks since, at a moderate distance from his house, with his rifle as usual upon his shoulder, two Indians started suddenly from a thicket near him, and both fired full in his face. One of the balls cut the lower part of his cap, and passed just over his ear, slightly grazing his hair. He in turn presented his rifle, and shouting Indians! Indians! a common cry when red men were discovered, he rushed towards them, reserving his fire. Seeing him approach, and perhaps aware of his intrepid character, they turned and fled. Upon this, taking aim at the hindmost, he fired, but without effect. The Indian immediately turned with a yell of exultation at his defenceless state, and advanced upon him with his brandished hatchet.

“Now the white man in his turn fled, pursued and fast gained upon by his youthful and more athletic foe. Feeling his strength abate, he merely succeeded in gaining the summit of a hill which overlooked a field near his house. Here he stopped, and beckoning with his hand as if he saw friends near him, he gave a shout to them to come on. This *rusé* checked the pursuit, and the enemy quickly disappeared, though no white man heard his cry or was near enough to afford him aid.

“Near the house of this old gentleman there is a fine spring of exceedingly clear and cold water, arising in a small basin or cavity of lime rock. Running thence but a few feet, the water falls into another basin containing an area of about half an acre, and fifteen or eighteen feet deep. In this little pond are seen sporting numerous fish of different kinds, some of them of considerable size, affording pleasing sport to those who are fond of angling. So perfectly limpid is the water, that the pebbles on the bottom, and the smallest fish in its bosom, are perfectly visible, and to the unpractised eye the water would seem scarce more than four or five feet deep.

“In relation to the comparative advantages of Texas and

other countries, this aged settler in common with every other individual who had spent one year or more in the country, spoke with the utmost decision and confidence. Having been in the country since 1828, he professed to understand all the peculiarities and difficulties, as well as the advantages of its soil, climate and productions. He estimates the advantages to the agriculturist as almost incalculable. The very least amount of well directed industry is sure to produce abundant rewards. One half the amount of labor applied to crops in the northern states, would here be compensated by not mere abundance but profusion.

“Much of the farmer’s profits accrue to him through the increase of his domestic animals, which require little or no labor or effort on his part, as they can procure their own sustenance in the fields and forests, during the whole year. Even the milch cows requiring but an occasional handful of salt, or ear of corn, to keep up their attachment to their home and preserve their familiarity with man. Similar advantages are enjoyed for rearing swine, and all the other domestic animals, none of which require grain but laboring horses and oxen. In short, added the old gentleman, “Texas is the place to live in for comfort and ease. Very little labor being sufficient for securing all the necessaries of man and beast.”

“In the course of our excursion, we were regaled from time to time with the songs of the forest birds, a considerable variety of which spend the winter here, and exhibit their beautiful plumage, as well as the sweetness of their varied notes. A less pleasing object however arose just before our horses, from among the long grass. It was a large brown wolf, whose short ears and gaunt form betrayed even to us his true character. He seemed however but little alarmed, and trotted on leisurely before us, till, coming to a ravine, he passed into it and disappeared. Though these animals appear to be quite numerous in most parts of Texas, and somewhat annoying to the pigs and other young animals, and though their cries as they ap-

proach the dwellings of men in the night are far from pleasant, they are not known to have attempted to make man their prey."

"Jan. 25th, 1840. In compliance with a former polite invitation, called upon Gen. Edward Burleson, Commander-in-Chief of the army of Texas, who has lately returned from a successful campaign against the Cherokee and Camanche Indians. One object of our visit was to learn with accuracy from him information respecting such new and unsettled parts of the republic as he had visited.

"As a kind of preface to his statements, he mentioned, that the late war with the Cherokees occurred after two attempts had been made to form treaties of peace with them. In the latter case, the object appeared and was supposed to be accomplished, the terms of a treaty having in general council been fully agreed upon, but which stipulations were directly violated by the Indians. Immediately, on the day after the last council, active hostilities commenced, in which, after a smart skirmish, the Cherokees were routed and retreated to a considerable distance. On the following day, the Indians sent a flag to Gen. Burleson's camp with proposals, which was regarded by Gen. B. as merely an artifice to gain time for more full preparations; he consequently detained the bearer of the flag, and immediately attacked the enemy in their position. The result was that the Indians were totally defeated, and Bowls, one of their principal chiefs, killed. The family of Bowls, with many other women and children, were taken prisoners, and, as is supposed, an entire end put to the Cherokee war.

"After this victory Gen. B. scoured the Indian country for a considerable distance, driving not only the Cherokees but the Camanches far from their accustomed haunts, as well as from the dwellings of white men. On his return he took pains to drive before his army nearly all the large herds of buffaloes in that direction, and only ceased this employment

till not much less than 25,000 of them were found feeding within the settlements of Texas, some twenty or thirty miles from Austin.

“ Thus deprived of their usual supplies, these wandering Indians will be compelled to change their hunting grounds, going farther north and west, or be driven to observe peace, however unwillingly, with their white neighbors. Such a terror has been produced by these things, that little fear is felt that these prowlers will venture again to make their incursions within many miles of the new capital of Texas.

“ In the performance of these important and valuable services, Gen. B. traversed a large extent of country, extending about one hundred and fifty miles north of Austin, and from near the Trinity on the east, to near some of the head waters of the Rio Grande on the west. Much of this territory he supposed had not before been visited by white men.

“ The country of the Cherokees, lying north and west of Nacogdoches, is an extensive and fertile region, abounding in valuable timber. The water is unimpregnated with lime or other minerals, the land is of a reddish complexion, like the land in the vicinity of San Augustine, betokening the presence of a portion of the oxide of iron. The streams flow through a comparatively level country, and are consequently to a good extent capable of batteau or flat boat navigation, and some of them may perhaps be navigated a part of the year by steam boats.

“ The region of country lying between the Trinity and Brazos, above the falls of the latter, embracing a large extent of territory, is generally undulating, abounding with limpid springs and streams, most of which partake more or less of lime. Much of the land, perhaps two thirds, is composed of prairies, and the remainder of woodland. The character of the timber is various, according to its situation, including cyprus, cedar, walnut, hickory, ash, elm, and several varieties of the oak.

Considerable falls forming valuable mill-seats, are found in many of the creeks, which, being composed of spring water, will probably furnish water for flour mills or machinery throughout the year. Some of the streams in this part of the country are brackish, and one of them is too salt for any domestic purpose.

“Lime stone, fitted either for the kiln or building purposes, is found in various places, and the soil, as indicated by the fact, is of excellent quality. It would doubtless produce abundantly of corn, rye, oats, barley or buckwheat, and probably also of wheat. Cotton will eventually be apt to be its staple production, and for that crop it is admirably fitted. All the fruits of the temperate zone it is believed will flourish here, and yield to their cultivators at once luxury and profit. From the falls of the Colorado, just above Austin, no obstructions exist in that river to prevent flat boats from bringing cotton or produce for a great distance.

“Above the city of Austin, between the Brazos and the Colorado, for a distance of about fifty miles, the general aspect of the country resembles that just described, with the exception of a few more precipitous hills of limestone along the banks of the latter river. On nearly all the streams falling into the Colorado, are eligible sites for all varieties of machinery, with permanent water power for working them. Lime stone of the finest quality abounds, much of which by the fineness of its grain, seems capable of being elegantly polished. The soil both in the prairies and woodlands, seems to partake of the nature of marl, indicating both its productiveness and durability. Wheat, Gen B. thinks, would succeed well, as it is certain every other kind of small grain will. The whole region must be perfectly free from all local causes of disease, and is entirely exempt from the annoyance of flies and mosquitoes.

“All the upper parts of Texas, from the Brazos to the head waters of the Guadalupe, resemble those parts just described,

except that the upper portions contain a greater proportion of timber. The whole, according to the opinion of Gen. B., is fitted to sustain an exceedingly dense population, and to become the store house of the western world.

"Of the correctness of the opinions of Gen. B., we have no other means of judging than the fact, that his whole conversation and manner marked him to be, as does also his general reputation, a man of clear and discriminating intelligence, of close and correct observation, of sound sense, simple manners and retiring modesty. In him we see an illustration of the principle, that the truly brave soldier is generally found to be the man of modesty and worth.

"The following incident related by Gen. B., of an adventure by a relative of his own, with the Camanche Indians, may illustrate the advantages of cool presence of mind, and the terror which those savages feel of the white man's rifle.

"An uncle of Gen. B., with two of his sons, being on a hunting excursion, had dismounted from their horses to allow them to feed upon the prairie. The horse of the father had strayed some little distance from the others, when a large body of Camanches on horseback advanced upon them. The father directed the sons to get their horses and mount, proposing to ride behind one of them and escape. Before this could be accomplished, the father's horse came running up to them as if for protection, and they were completely surrounded by the savages. By the direction of the father, the horses were so placed as to form a three square space, with their riders in the centre. Giving strict charge to the young men not to fire, till the enemy should come to the muzzles of their guns, they presented their weapons over the necks of their horses, and awaited the attack of the assailants.

"Finding them thus entrenched, the Indians, without venturing nearer than a long rifle shot distance, retreated some ways, and approached in a direction which they seemed to consider less guarded, but meeting again the open mouth of

the fearful weapon, they again fell back, and again advanced in a still different direction, but with like results. Thus they continued their approaches till their horses became wearied, when, on their again retiring, the beleagured trio mounted their horses and soon left their enemies far behind."

The following information relative to the opening of a direct communication for trading purposes, between Austin and Santa Fé, we look upon as being of considerable importance, as it will doubtless attract much enterprise and capital to this central position of the republic. We copy it from the Austin Sentinel.

"The distance from Austin to Santa Fé is about 450 miles, over a rich, rolling, well watered country. It is nearly a north western direction. From this city to the old San Saba fort, it is about 125 miles. There was formerly an old Spanish road run from Gonzales to San Saba, which passes within fifteen miles of this place. That road runs over a beautifully undulating country, with an abundant supply of water, and rich grass prairies, and bottoms covered with wild rye, which would supply an abundant food for horses and mules at all seasons. The road is, even at this time, quite plain, and might with very little trouble be passed with loaded wagons.

From the old Fort there is a plain wagon road to Santa Fé, a distance of 325 miles. The road crosses the Colorado river about 225 miles above this city—where the stream appears as large as it does at this place. There is a good ford, and it is rarely affected with high water. The country between the San Saba and the Colorado is one of extraordinary beauty. It is about two-thirds prairie, the rest of it timber and bottom lands, beautifully undulating, and containing clear running streams of water in every valley. Nature has designed it for a stock-raising and grain-growing country, and it will be more celebrated for the abundance of its productions than any portion of Kentucky or Tennessee.

After crossing the Colorado, the road becomes a little more hilly, but the country is still fertile, well watered, and contains an abundant supply of musquit grass and wild rye for grazing. This portion of Texas contains, during the summer, more buffalo and other wild game than any portion of the country; but the game usually travels to the south in the winter in order to feed on the more luxuriant prairies.

After crossing the Brazos river the country assumes a different appearance. On the right you have the broad rich level prairie, which stretches off to the south east, until the view is lost in the distance, and the dull monotony of the level plain is only relieved by the innumerable herds of buffalo, deer, antelopes, horses and wild cattle, which are for ever in sight in those extensive prairies; while on the left, the Padre Pinta hills rise in bold magnificence above the plain. The road runs along near the margin of the mountain, where the streams from the hills furnish an abundant supply of water, until you reach the upper branches of the Red river; when the mountains bend suddenly to the west and stretch off towards the head of the Puerto, a branch of the Rio Grande.

Nothing can exceed the beauty and fertility of the country on the head waters of the Red river. The river is divided into innumerable branches, and spreads itself over an extent of country about 80 miles square. Through the centre of this tract passes the Santa Fé road. Following up the north eastern branch of Red river, you ascend the mountain which brings you into the elevated plain upon which stands the city of Santa Fé, at the distance of about forty leagues.

This plain is on the top of a high mountain, which (unlike the mountains of the United States, which are broken into rugged peaks and abrupt precipices,) presents a level plain of extraordinary fertility. The scene is however occasionally varied by an abrupt peak which rises high above the plain, and seems to have been placed there as a beacon to direct the steps of the weary traveller. This elevated table land is per-

haps the best wheat country in the world ; and Malte Brun says, in his geography, that the only reason Mexico does not drive every other country upon earth out of the grain market, is the difficulty of transporting it to the coast. Upon this table land, pure fresh water lakes and running streams are found in sufficient abundance to supply a caravan of traders with water. There is no portion of the country where the distance between water will be more than fifteen miles, and loaded wagons might pass even now without difficulty ; and with a very slight improvement the road would be equal to any in the world.

The Camanches are the only tribe of Indians to be encountered on the route, and a company of 50 men well armed, might pass over any portion of the country with impunity.

Many portions of this country are rich in mineral productions, and mines may at no distant period be wrought with profit. But our object now is to speak of the trade, and we have only been so explicit in describing the country through which the road passes, to show the feasibility of directing the trade to this country.

If goods can be landed at Philadelphia, carried over land to Pittsburg, thence shipped in a steam boat to St. Louis, and again carried over land to Santa Fé, a distance of not less than 1600 miles, through almost a desert country, and abounding in warlike tribes of Indians, and afford a profit, how much greater would be the profit to carry them from Texas, less than one-third of the distance, and where none of those obstacles exist.

The trade of Santa Fé consists principally in valuable peltries, and gold and silver in bars ; and to this country horses and mules, and even cattle might be driven with profit.

Santa Fé is the place where all the traders from the north of Mexico meet the traders from Missouri, to make an exchange of their commodities. Some idea of its value may be

drawn from the great prosperity of St. Louis, which derives its principal wealth from this trade.

Goods may be landed at Galveston or Linnville, if imported direct from Europe, at a cheaper rate than they can be landed at Philadelphia, as our impost duty is much less than it is in the United States. From Galveston to Santa Fé it is not more than 500 miles. From Philadelphia to Santa Fé it is more than 4000 miles.

We have every advantage over the St. Louis trader, and only want a little energy to carry the plan into successful operation."

Believing that such direct and isolated facts and observations as those contained in the above journal, would be more interesting, and convey more practical information to many readers, than more formal and general descriptions, they are placed at the beginning of the work, and will be explanatory of many things afterwards named in a more general way. In order to greater conciseness, and to secure to every part its proper share of attention, we now propose to speak of the nascent republic in a more methodical way, and arranging our facts and conclusions under distinct heads.

BOUNDARIES, EXTENT, ETC.

CHAPTER VI.

Geographical position of Texas—It contains more productive and valuable land than any other country of similar extent in the known world—Its natural divisions are, the level, undulating, and mountainous or hilly country—The mountainous portion peculiarly adapted to the various kinds of grain—abounds in fine springs.—Abundance of water for hydraulic and other mechanical purposes.—Minerals abound.—Silver mines once worked.—The cross timbers a curiosity.—Bottom lands exceedingly rich.—Sabine Lake—the Neches and Sabine rivers fall into it—vast quantities of fertile and valuable lands on their banks.—Matagorda Bay—Colorado river empties into it.—Labacca Bay—nearest navigable point of communication with Austin.—Aransas Bay—abounds with fish and turtle.

TEXAS is bounded on the North by the Red river and the United States, on the East by the United States, from which it is separated mostly by the Sabine river, on the South by the Gulf of Mexico, and on the Southwest and West by Mexico.

“ It extends from lat. 26° to 34° and near an half north latitude, and from $16\frac{1}{2}$ to $24\ 1\text{--}3$ degrees west longitude from Washington, including, within its extensive limits, a greater amount, it is probably conjectured, of productive and valuable land than any portion of equal extent in the known world.

FACE OF THE COUNTRY.—Taken as a whole, Texas is one of the evenest and most level portions of America. With the exception of the Northwestern region, no part of it can properly be termed even hilly, much less mountainous. Still, in relation to its peculiarities of surface, the country may naturally

be divided into three sections, each differing materially from the other. Perhaps these may appropriately be designated as the level, the undulating, and the mountainous, or rather hilly parts of the Republic. The level section embraces the entire coasts, and extends inland along the direction of the rivers, from thirty to sixty, and, in some places, eighty miles. Much of this, though the whole country may, in relation to its surface, be regarded as one vast inclined plain, facing the Gulf of Mexico, is so flat that after heavy rains the water drains off but slowly, and the prairies for miles resemble shallow lakes in which the grass and reeds shoot above their surface. Still, very little, if any thing like marsh can be said to exist in any part of the country. The only parts unfitted for the plough, are what are called crawfishy places, which are, however, highly valuable for pasturage. Other portions of the level country, including the cane prairies, are among the richest and most productive lands in the world. The extent of the area of this, or either of the other regions, it is impossible to estimate, otherwise than by the general remark, that it is very extensive, and will admit of a greatly increased population.

Above, or rather beyond, the level region, commences what is appropriately styled the undulating or rolling country. This forms by far the largest section of the country, and though not so uniformly rich as the level region, contains an immense extent of exceedingly fertile soil, both prairie and woodland, besides much rich sandy loam that will probably, at no distant day, be found equally profitable with the finest portions of the country. Upon the tops of the elevated prairies of this region, are found frequent level plains of considerable extent, whose surface is indented with cavities a foot or two deep, and from three to seven or eight feet wide. Such places are denominated hog-wallow prairies, in which the land is extremely rich, and believed to be durable as any other. Beside these peculiar places, much of the soil of the upland prairies is a black mould, of considerable depth, supported by a

subsoil of either a steel grey or else of a formation of marl, united with other substances. Among other advantages of this region, one very important one is the frequent springs and streams of pure and limpid water. Along these rills and streams are always strips of woodland, sometimes presenting a mere mass of shrubbery, with here and there a cedar, and sometimes a broader belt of lofty forest trees. Other sections are covered with scattered trees of post oak and black jack. Most of which consists of elevated and gravelly land. Among these are occasionally found numberless clumps of grape vines, producing abundance of large and delicious grapes, and proving the adaptation of these regions to the production of raisins, wine, and the most delicate fruits of the vine.

The mountainous or hilly part of Texas embraces its north western section, and, though considerably extensive, forms the smallest of the three divisions of the country. In no place does this broken feature approach nearer than one hundred and seventy-five or two hundred miles of the coast. Though in this region the elevations are considerable, and for Texas steep and somewhat rugged, few of the acclivities are exactly precipitous, and none of the mountains would rank higher than those of the fourth or fifth class. For the most part they seem to be of secondary formation, lime stone composing a very large proportion of their substance. Hence, as might be expected, their ascents are generally rather gradual than abrupt, and their summits rather rounded than pointed and rocky. The sides of these hills, extending to their very tops, are covered with a luxuriant growth of timber, including the oak, cedar, elm, and other trees, interspersed with shrubbery of various kinds. The soil in the valleys, which are numerous and extensive, and extending for some distance up the sides of the mountains, is exceedingly rich, and fitted to produce the very finest crops of grain, grass, or other productions. From the feet and sides of these hills, issue innumerable streams and springs of water, which, uniting into creeks and rivers, and

passing down the declivities of the country, furnish abundant facilities for every kind and degree of hydraulic power. Issuing from the hearts of these mountains, the water of the streams is cool and pure, and but slightly diminished by the warmth and dryness of the summer, so that mills and machinery can continue their operations, throughout the year. After watering their own mountain vales, and escaping from such narrow channels, they unite with others of their own character, and flowing on to the undulating and level regions, form the large and navigable rivers that water all the plains of this new but interesting country. These mountains are known to enclose in their bowels vast amounts of valuable minerals of different kinds. The two most important articles in the mineral kingdom are understood to be abundant; silver mines were formerly wrought here by the Spaniards but abandoned in consequence of the hostility of the Indians; and specimens of fine virgin gold have been found.

An interesting feature in the face of northern Texas is what is called the Cross Timbers, extending from near the eastern shore of the Brazos river in latitude 32° in a direct northern course, to near the Red river, a length of about one hundred and thirty miles, while in width it cannot exceed from ten to fifteen miles. Near the centre of these timbers formerly stood several villages of the Caddo Indians, but which were burned by Gen. Rusk, in January 7th, 1839. Such a range of forest, marked by extended and distinct boundaries of prairie, and lying in such a perfectly straight line, must be regarded as extremely curious, and worthy of particular attention.

Nearly all the streams in the whole of this country except those among the mountains, are skirted by wide borders of alluvial or bottom land, covered with dense forests of timber and underwood, or else with almost impenetrable coats of cane, either alone or mingled with timber. Many of these alluvions are very wide, some of them from three to fifteen or

twenty miles, and consequently make an important part of the face of the country, especially as their fertility is unsurpassed by any portion of the known world. Embracing as they do so large a portion of the land, were all the rest of the country poor, these bottoms would of themselves form for it a desirable character.

BAYS, RIVERS, ETC.

As indicated by its boundaries, nearly the whole southern border of Texas is washed by the waters of the gulf of Mexico, whose broad waters lave not only the shores of Texas, but considerable portions of the United States and Mexico. No part however of the extended coast of this great gulf or sea, is more frequently indented by inlets, bays and harbors, than that of the new republic. Though the entrance to many of these is in some measure impeded by bars and shoal water, most of them are accessible at high tide at all seasons of the year. These partial obstructions to the navigation of the harbors of Texas, being composed of sand and other soft materials, it is believed will be eventually removed, and that this country will present as many facilities for maritime commerce, as any other part of the southern country of equal extent.

Commencing at the extreme eastern point of the coast, the first considerable body of salt water penetrating the interior, is the Sabine Lake, which, with the Sabine river that empties into it, separates this part of Texas from the United States. This body of water is connected with the Gulf by what is styled the Sabine pass, is of considerable extent, and sufficiently commodious for all purposes of navigation, but the inlet is shallow, and its entrance bordered by mud and other obstacles for some distance. Steam boats of considerable burden have passed over it, and ascended some distance up the Sabine River. Into this lake, fall the Sabine and

Neches rivers, on whose banks are found vast quantities of fertile and valuable land.

Proceeding westward, the next harbor that attracts our attention is Galveston Bay, the largest, and, at present, most important one on the coast. The long and narrow island of Galveston lies directly in front of the western division of the bay, while the eastern section, or the other side of the inlet, is subtarded by a peninsula of the main land. Between the eastern extremity of Galveston island, and between that and Pelican island, is the harbor of Galveston, with a depth of water varying from fifteen to eighteen feet, and extending several miles up the bay. The principal entrance into the harbor is at the eastern extremity of the island, and, except during the prevalence of north winds, will admit the entrance of ships of the middle class. The passage is of considerable width, and when the light house, authorised by Congress, shall be completed, will be navigated with little, if any difficulty. The navigation of this bay by steam boats, passing from Galveston to Houston, is unobstructed, except at Red-fish bar, which passes quite across the bay near its centre, and on which the water is shallow, especially when in the fall or winter the north winds prevail. At such times boats frequently find themselves aground, and their only remedy is to wait till a change of wind shall bring back to them a depth of water sufficient to bear them over the bar. At the western extremity of Galveston island is another pass into this bay, said to admit in its channel vessels of burden. Here, too, in front of a small island, is said to be a good harbor, and on the island has been laid out a town called San Louis. It is thought by some that this place possesses advantages superior to Galveston. Of this, however, we are not prepared to judge.

The head of this bay, extending a considerable distance northward into the interior, forms the estuary of several small creeks, the principal of which is the river San Jacinto, which

though but an inconsiderable stream, will be ever memorable in Texian annals, for the battle on its banks, which decided the fate of empire, and inscribed the name of a new-born nation indelibly upon the tablets of history.

The extreme western arm of this bay extends nearly to the mouth of the Brazos river, with which it has been conjectured it might be properly united by a canal. Such schemes however would not at present be productive of any material benefit. Till, from the extent of settlements, and the surplus of agricultural products, shall fail to find a domestic market, the natural outlets and harbors of the country should satisfy the desires of the public. The time will no doubt come, and that ere many years pass by, when improvements, now scarce imagined, will not only be devised but executed, and the people rejoice in advantages of which their ancestors had scarcely conceived.

Still further westward, and bounding the whole southern border of Matagorda and Jackson counties, is the large and beautiful bay of Matagorda. Into the eastern part of this bay falls the Colorado river, while further west a projection of the bay northward into the interior is called Trespalcios bay, and at its western extremity another large projection called Labaca bay, becomes the estuary of the Labaca river. Passa Cavallo, the inlet to Matagorda bay, is said to have ten or twelve feet water on its bar, and the harbor within to be safe, with four fathoms water. Most however of the area of this bay, like much of the waters on the southern coast of North America, is very shallow. The average depth of its waters, from the inlet to the mouth of the Colorado, being not more than seven or eight feet. And the vessels which can pass over this shoal water, cannot approach the mouth of the Colorado, being obliged to discharge their cargoes for this point by means of lighting, or still more inconvenient methods. Like difficulties exist at the mouth of the Labaca, where the water is equally if not still more shallow. Neither of these rivers, it

is asserted, admit at ordinary high tides vessels drawing more than three and a half feet water.

On the eastern bank of the Colorado, where it enters this bay, stands the town of Matagorda. It has been settled for some time, contains a considerable number of inhabitants, and enjoys a respectable share of commerce with the interior. Here is a respectable school for English and classical scholars, taught by the Rev. Mr. Ives, of the Episcopal church, who also labors as a missionary among the people. On Labaca bay are Linville, Cox's Point, and Dimmitt's landing, all new towns, of whose prospects the stranger can form no very adequate judgment. Some of these towns, however, are said to be the nearest navigable points on the Gulf of Mexico to the new city of Austin, from which goods may be transported to that place in a shorter time and at less expense than from any other maritime town. Probably some of the towns on this bay may, in a few years, acquire much commercial importance, though at present it is difficult and perhaps impossible to decide which of them embodies the greatest advantages.

Still further west at the mouth of the river, formed by the junction of the Guadalupe and San Antonio, and apparently a mere widening of its mouth, is Espiritu Santo Bay, separated from the Gulf by the Island of Matagorda, at the extremities of which are inlets to this bay. As yet it has not been much used in navigation or for commercial purposes, as no towns are found upon its shores even at the estuary of the river emptying into it. Some distance up the Guadalupe is the site of an interesting new town called Victoria, which bids fair to become respectable for commerce and other advantages.

South-west from the preceding harbors, and extending considerably inland, appears the Bay of Aransaso, or Aransasua, the third in size in the republic, and deeper than any of them. Vessels drawing seven feet water find an easy entrance, and the harbor affords a very secure haven. It is dotted with

islands, and abounds with fish and turtle. An arm of this bay, called Capano bay, is separated from the rest by a peninsula nearly dividing the whole bay in the centre, called Live Oak Point. At the cape, formed by this peninsula, is a town called Aransas, nearly opposite to this on the eastern border of the bay is Lamar, and at its head on the north the town of Capano. Several small rivers empty their waters into this bay, along whose streams it is probable there is much good land well adapted to the cultivation of the sugar cane.

Still further south and west, receiving the waters of the Nueces river, is Corpus Christi bay, of the particular advantages of which little information could be procured. The interior and western projection however is called Nueces bay, and seems to be merely a widening of the mouth of the river of that name. The lands on this river are represented to be as fertile as any in the republic.

RIVERS.—Red river, which separates Texas on the north from Arkansas in the United States, rises among the highlands near the great Rocky mountain chain, about 103° W. Long. from Greenwich, and 33° N. L., and runs a course due east nearly the whole breadth of Texas, declining towards the south as it approaches the eastern border, and, finally, pours its current of turbid and reddish colored waters into the Mississippi in the state of Louisiana. It is navigable at this time for small steam boats for a considerable distance above Shrieveport, the exact point where it becomes incapable of this advantage being not certainly known. Nearly its whole length may probably afford facilities for the passage of batteaux and flat boats, in taking to the lower country the products of its banks, which are believed to be every where extremely fertile. The waters of this river, and the alluvial lands along its banks, are deeply tinged with a color mostly resembling the red oxide of iron, to the presence of which substance this peculiarity is generally attributed. Hence its name.

The SABINE river rises in the north-eastern part of Texas, and running some distance in a south-western direction, changes its course to almost due south, forms the boundary between this republic and the United States. It waters an extensive and well timbered country, and is navigable for steam boats a considerable distance from its entrance into Sabine lake, though how far boats may ascend with safety has not probably been accurately tested.

“ Passing westward from the Sabine, the next river we meet is the NECHES, which rises near the Red river, and running in a south-eastern direction, falls, like the Sabine, into the Sabine lake. Like most other rivers of this country, its bed is bordered by broad alluvial bottoms, subject to occasional inundations, from which, however, no injury occurs, as the waters soon retire to the bed of the stream, and leave a rich deposit behind them. The channel is deep but narrow, navigation by small steam boats sixty or eighty miles from its mouth, and of batteaux much farther.

Next in order, proceeding westward as before, we approach the TRINITY, which, like the Neches, rises near the Red river in the north of Texas, and running in a south-eastern course, empties its waters into the north-eastern part of Galveston bay. Its length has been estimated at six hundred and fifty miles, but it is probably much longer. It passes through a fertile and beautiful region, now rapidly filling up with inhabitants, and abounding in iron, coal, and some other valuable minerals.

This river is navigable for steam boats for a great distance from its mouth, and some confidently believe that they may ascend five hundred miles by water. The banks are steep and high, and hence not likely to suffer by inundation. Much of the land in eastern Texas, between this river and the Sabine, except the river bottoms, are represented as being similar to the high lands in the western district of Tennessee and northern Mississippi—good farming and cotton lands,

though less productive than the better portions of southern and western Texas.

Several new towns have been lately established at different points on this river, which are rapidly filling with inhabitants. Perhaps no part of the republic is more rapidly settling than the country upon and near the Trinity river.

The BRAZOS, one of the largest and most important rivers of this country, rises in the north-western part of Texas, and meandering through a very extensive region, and, running by estimation, 750 miles, falls into the Gulf of Mexico. The general direction of this river is south-east, and its waters, like those of the Red river, considerably tinged by the oxide of iron. This is much more apparent at some times than at others, probably owing to the greater rise of particular branches at different seasons. In its course it receives the waters of many tributaries, the largest of which is the Navasoto, coming from the north-east.

The most remarkable branch of this stream, however, is called the salt branch, flowing from an extensive plain deeply impregnated with mineral salt. In times of very wet weather, this plain is said to be covered with water, which, in flowing off, carries with it salt enough to render the waters of the whole river quite brackish. At this time the waters deposit a fine red clay, which, to the touch, resembles soap, and is very adhesive. This clay evidently contains salt, and probably iron. In very dry weather, it is said, this temporary lake dries up, and the whole plain is frosted with particles of crystallized salt. Except when this salt branch is high, the waters of the Brazos are free from appearance of salt, and fitted for all the purposes to which river water is applied.

The country through which this river flows, especially its wide bottoms, is remarkable for the exceeding beauty of its form and undulations; and for fertility is surpassed by no portion of lands on the globe. It was during the last winter

literally the granary of Texas, and but for the abundance of corn produced along its banks, it is difficult to conceive how the thousands of emigrants and travellers that visited the country, could have obtained subsistence. For sixty or eighty miles from its waters, innkeepers and others told of going to the Brazos to procure supplies of corn and bacon.

In rare instances the bottoms of this river have been overflowed, and much damage done to crops, fences and stock. One instance only has been related to the writer, and it is hoped that like disasters will be unheard of hereafter.

Like most other streams of this country, the Brazos is obstructed by a bar at its mouth, composed of a bank of sand. Over this bar vessels drawing more than six feet water cannot pass. Within the bar is a good and safe harbor, and the river is navigable for steam boats certainly as far up as Washington, and probably will be so much farther. At present, however, they have a perfectly good market for all the productions of the soil, at their own doors, and need neither ships nor steam boats to convert the fruits of their fields into money. The banks of the river, for a great distance from its mouth, are dotted with towns and villages, some of which being burned during the war with Mexico, are now rising from their ashes, though not without marks of the ruin they suffered.

The COLORADO, the next river west of the Brazos, is the second river in size in the republic. It rises in the extreme western part of the country, one of its principal branches heading about 104° west longitude, and less than 30° north latitude, which, running thence in a north-eastern direction among the Cordilleras, unites with the Pasigona, and, turning with that to a south-eastern course, meanders through the heart of the country, and falls into the eastern part of Matagorda bay. Its length is estimated at about six hundred miles, though others think it is considerably more than that.

This river would probably be navigable for steam boats very nearly to the falls above Austin, but for a raft of timber, composed of flood wood, that obstructs its channel a short distance above Matagorda. This raft will probably soon be removed, and vigorous attempts made to improve the navigation of the stream, especially since the seat of government has been located upon its banks. By those who have traversed its length from Austin, downwards, in a periogue, the stream is represented as containing very few obstructions, and those capable of easy removal. Several gentlemen of experience in river navigation, expressed a confident opinion, that for a part of the year at least, steam boats might visit the upper Colorado, if not land in Austin itself.

The banks of this river and the adjacent lands, abound in beautiful and valuable timber, as well as frequent level and exuberantly rich prairies. Live oak, and various other kinds of that valuable timber, cedar, ash, hackberry, elm, musquit, etc. are found in almost every direction. The peccan tree in particular, appears to flourish here in high perfection. One was declared by a gentleman of high character, though many others as large were in the neighborhood, to have produced twenty-five bushels of that delicate nut in a single year.

The River, or Rio, GUADALUPE rises in the hilly regions of the north-west of Texas, and running south-eastward in a clear and beautiful stream, it receives several tributaries, and uniting with the San Antonio, falls with it into the Aransaso bay. The waters of this river are represented as very transparent and beautiful, and the alluvial bottoms as extensive and fertile. Its width is seldom sixty yards, but it flows through a beautiful and well-timbered country.

The SAN ANTONIO has its sources among the mountains north-west of Bexar. It is formed of the united waters of innumerable springs, which, issuing from the sources in the

rocks composing the bases of the mountains, unite their sparkling rivulets into one clear transparent river, which flows off gaily with a rapid and noisy current over a bed of limestone. Derived almost entirely from these sources, it is not subject to great changes nor considerable freshets. Its width is inconsiderable, though of the depth of ten or twelve feet, and abounds in cascades and rapids, well adapted for mill seats and hydraulic purposes.

This and its other branch, the Guadalupe, are both represented by one writer as navigable for canoes nearly to their sources. How this consists with their course among hills, and their adaptation for machinery, we do not clearly discover. After flowing a considerable distance in a nearly eastern direction, it forms a junction with the Guadalupe, and its waters are soon after lost in the waves of the Aransaso.

The Nueces rises in the highlands of the Guadalupe mountains, and running in a direction but little south of east, empties its waters through the Nueces bay into the bay of Corpus Christi. The lands on the banks of this river are said to be surpassingly fertile even for Texas, abounding in excellent timber, of which the peccan forms a large proportion. The bottoms are extensive, sufficiently elevated for cultivation, and productive beyond calculation. It is presumed that in some few years sugar will form the great staple of this region. All the lower parts of the Nueces may be navigated by keel and flat boats, and probably to some extent by steam boats.

At some distance from the Nueces, and at the extreme south-western border of Texas, is the RIO GRANDE, RIO BRAVO, or RIO DEL NORTE, for it is called by all these names, and, as its name indicates, one of the largest rivers falling into the Gulf of Mexico west of the great Mississippi.

It has its sources far north and west among the Rocky Mountains, one branch heading on the eastern and another on the western side of one long range of these mountains.

Though the war between Mexico and Texas has not been formally terminated by a peace between the two nations, this river has by a kind of tacit agreement, become the boundary line that divides them. On the south and west side are found numerous villages and hamlets of the Mexicans, who dwell in peace and security in their habitations, and on the other range the settlers, hunters, and surveyors of Texas, who, without interruption pursue their various objects.

The extreme northern sources of this river extend as high as 38° N. L., and, after a long course in a south eastern direction, fall into the Gulf of Mexico, to the south of Corpus Christi bay. This river is navigable for ships of considerable burden for some distance from its mouth, and should the war between Texas and Mexico soon cease, it is probable that its facilities for steam boat navigation will be tested, and may extend several hundred miles into the interior.

The extended region between the lower parts of the Nueces and the Rio Grande is but little known. From the fact that few tributaries fall into either of those streams from this part of the country, it has been inferred that it consists principally of dry elevated prairie, a conclusion but feebly supported by the premises. It would seem quite as probable that it embraced extensive marshes and lakes, which receive and retain the waters that fall upon them, as that they are elevated; for in that case the waters from the clouds and springs would both naturally descend the declivities and find their way to these rivers.

In connection with this notice of the rivers of Texas, it is proper to mention that there are also scattered through the republic many interesting creeks and smaller streams, some of which are remarkable for being navigable almost to their sources, and others for other causes.

Among the former may be mentioned the San Jacinto and the Buffalo Bayou, which are constantly navigated by steam

boats even to the forks of the latter at the city of Houston, although for several miles below that place, it is so narrow that large steam boats find it difficult, and sometimes impossible, to turn themselves round in the stream. This whole bayou rather resembles a crooked canal with high and wooded banks, than a natural stream.

Caney Creek is remarkable for a vast cane brake, without any portion of timber, which lines its banks. This cane brake, till the hand of white men violated its uniformity, extended from within twelve miles of its mouth to near its source, a distance of seventy-five miles, and from one to three miles in width. This broad sheet of cane is bordered on both sides by heavy timber.

Oyster Creek, which arises in the alluvial lands of the Brazos, and runs parallel with it, meandering through its bottoms, is bordered with considerable quantities of cane brake, most of which however is mingled with timber.

The Labaca is a handsome rivulet, flowing through a fertile region, and almost hidden by a dense growth of valuable and lofty timber. To these might be added the San Bernardo, Aransaso and others.

There are few lakes in the whole republic, and these generally of no considerable extent or importance. A few are found near the sources of the Guadalupe and on some of the branches of the Red river, but they are not felt to be important. In the central part of the region of San Patricio, directly west of Padre island, there are several lakes of some extent, whose waters are so impregnated with salt, that it is constantly crystallizing by solar evaporation. The cubes that form upon the surface by the least agitation of the water, are made to sink, and, on the bottom, they agglutinate and form a thick crust of the purest crystal salt, which may easily be collected in any quantity, and for every purpose.

Still this abundant supply of that necessary article is here

of little importance, as at the Padre island above mentioned, in its whole length from near Matamoras to Corpus Christi, furnishes inexhaustible supplies of salt formed by solar evaporation, to all who choose to gather it at the water's edge, so as to require no expense of land transportation. Surely to Texians salt should not be expensive to whom it is furnished in creeks, lakes, and islands, in the interior and on the coast.

CLIMATE, SOIL, ETC.

CHAPTER VII.

Texas one of the healthiest regions of America.—Causes of the winter 'Northers'—their arid character and general influence.—The Gulf breezes constant visitants throughout the summer.—Prairies conducive to health.—A residence in Texas highly favorable to Consumptive patients.—Several remarkable cases of cures known to the writer.—The Soil of Texas not excelled by any other portion of the Globe.—Live oak trees.—Grape Vines.—A vineyard soon rendered profitable.—Musquit tree—Its suitability for hedges.—All the fruits peculiar to the temperate zone will flourish in Texas.

CLIMATE.—In this department of a description of Texas, there is some danger of either misleading the mind of the reader, or of giving but an imperfect delineation of real facts. Like every other portion of the globe, the climate of this country possesses certain advantages, against which, however, are to be set off some drawbacks and inconveniences.*

Whoever would represent it therefore as being entirely free from all the evils attendant upon the cold climates of the North, of the hot suns between the tropics, and the rapid changes of the temperate zone, would be justly chargeable with extravagance, if not with misrepresentation. Those on the other hand, who would assert that either of these difficulties existed here in a degree as considerable as they are found to do in tropical, temperate, or high northern regions, would do great injustice to the character of the country. While, therefore, we reject all exaggeration of the blessings of our climate, we would equally shun all improper depreciation of its merits.

Though this republic boasts not of the character of a Mohammedan paradise, enjoying all the delights of perpetual Spring, and perpetual Autumn, when fruits and flowers mingle their odors in continual fragrance and profusion ; it does claim that no part of the continent is more favored by the blandness of its breezes, the pleasantness of its temperature, the brightness of its skies, or salubrity of its atmosphere. Varying according to its latitude and elevation in the degree of its heat and cold, some parts bordering nearly upon the tropics, while others pass considerably into the temperate regions. None of it however is either so elevated, or so far from the equator, as to feel the rigors of a snowy winter, or lose the advantages of the great southern staple, the cotton crop.

“The whole country, consisting of one vast inclined plain, with a southern exposure, the beds of whose streams are deep, with high banks entirely free from marshes, and from stagnant or putrid water, and most of the country open prairie, over which the breezes blow with the freedom of ocean winds, it enjoys an exemption from causes of disease scarcely exemplified, and a freshness of the air no where surpassed. This inclination to the south drains the country of its superfluous waters, presents its whole surface to the sea breezes as they come from the Gulf of Mexico, and render the climate several degrees warmer and better fitted for tropical and southern crops than a northern exposure could do.

Though in the lower latitudes the heats of summer must be considerable, ranging as high as average of 85° Fahrenheit, it is believed by good judges that this is in no degree injurious to health, except in the vicinity of dams, swamps, or other local causes of disease. It will probably be found upon the fullest investigation, that southern climates, unless in the neighborhood of decaying animal or vegetable substances, are quite as favorable to health and longevity as any other parts of the world. In them it is true decomposition of bodies is more rapid, and hence their influence upon the atmosphere is more

severe than where this process is gradual. Exempt from such sources of disease, and little subject to pulmonary affections, there is much reason to expect Texas will continue as she is, one of the healthiest regions of America.

In most parts of Texas the only seasons which can be regarded as cold, continue but for a day or two at a time, while the north or northwest wind blows freshly over the plains. At these times but little ice or frost is found, even when they are the most severe, which disappears upon the first exposure to the rays of the sun or influence of a southern breeze.

The source of these winds here technically styled *Northerners*, is the highlands or mountains at the sources of the Red and Grand river, which, being much more dense than the rarified atmosphere of the more southern and lower regions, rush down the gentle slope over the smooth prairies, and become dispersed among the vapors that rise between the tropics. The change produced by them in the atmosphere here is sensible and very sudden. They seem to be quite arid, and to dry up all moisture of the skin, and induce an exceedingly rapid evaporation of such waters as have previously fallen from the clouds. Their effects however are seldom injurious, and in general they tend much to the purification and salubrity of the air.

Immediately following these, for they occur only in winter, ensues either a season of calm, sunny and pleasant weather, in which the ploughman finds a convenient season for fallowing his lands, or soft southern winds more resembling those of a northern summer evening than of winter's severity.

In even the severest of these northers, cattle seem to require no other shelter than the protection of a neighboring grove, and often disregarding that, they are found feeding or resting upon the open prairie.

From March to October may be regarded as the Texian summer, between which months the weather is warm, vegetation grows with vigor, and all kinds of crops are brought to perfection. During this season comparatively little rain falls,

though in most seasons showers are of frequent occurrence, and the heat of the plains produces such a rarefaction as in turn induces a fresh and almost constant sea breeze from the Gulf.

From the openness and evenness of the surface of the country, this breeze is felt far in the interior, a circumstance which distinguishes Texas from any other country. So strong too is the current of these winds, that writers, whether clerks or authors, would do well to have their papers well secured, lest they should be widely disseminated even before publication. With few and slight intermissions from calms or winds from other quarters, these last throughout the summer, and are represented by the residents of the country as being delightfully pleasant, refreshing and producing a gentle exhilaration of spirits.

Among other reasons why the climate of Texas has proved, and will continue to be less exposed to summer and autumnal fevers, than most other countries, is found in the number and extent of her prairies. Wherever the new settler in Kentucky, Tennessee, Alabama, or elsewhere, has entered the dense forest, broken in upon the vegetable accumulation of centuries, and stopped at once the absorbing action of all the foliage, the consequence has invariably been intermittent or other more malignant fevers, marking the progress of improvement by the pale countenances, weakness and death of the pioneers.

From these and such disasters, the emigrant to this country, except those who invade the timbered bottoms, are almost wholly exempt. Settling himself upon the rich prairie, and turning all the vegetable matter upon his land under the furrow, no malaria arises from decayed and decaying masses of leaves, timber, and souring sap of myriads of trees. The settler and his family enjoy entire health, and can gather the first year of their residence upon the soil, a generous reward of their toils.

Even the bottoms of the rivers, which are covered with cane and lofty timber, though less healthful and salubrious than the prairies, are not subject to diseases of such malignancy and mortality, as frequently visit the new settlements along the southern rivers of the United States. The reason for this is found in the fact, that these streams seldom overflow, and when they do, the waters soon subside, and leave no pools or marshes to putrefy and exhale contagion round them.

As, however, diseases have to some extent pervaded among and in the vicinity of these forests, it has been conjectured that their presence, especially when clothed with the long or Spanish moss, (*Tillandsia Usneoides**) is productive of a state of the atmosphere unfavorable to health. Probably however, the true cause is found in the effect of *deadening*, or otherwise killing the timber, whose foliage had previously absorbed or decomposed the infectious ingredient of the air. If this latter opinion be correct, even the little disease found along the bottoms of the streams may be expected to disappear, as the settlements become dense and the lands are cleared.

Another temporary cause of disease, is the use, for domestic purposes, of the water of rivers and creeks. Many of the late emigrants settling in the level parts of the country, being without natural springs, are induced to use for every purpose the water of the nearest stream or bayou, though of a quality far less desirable than well water. This source, if such it be, of sickness, is removeable at the will of the people, as water of a fine character can usually be found by digging to a moderate depth.

* This parasitical, or rather aerial plant, is not properly a moss, as it has a small but perfectly defined flower and pericarp, with numerous small seeds, to each of which is appended a tuft of a substance resembling fine sea island cotton, by the aid of which, it is presumed, the winds disseminate it through the forest. From a careful examination of facts, it is nearly certain that its roots merely sustain it in its position without giving it any nourishment.

It is asserted by persons of high respectability, that pools or other stagnant waters are never covered with the green slime, which is so common and so offensive in most of the ponds and sluggish streams in many parts of the United States. In all the undulating region, and especially in the mountainous part of Texas, springs of limpid and cool water are very frequent; so much so that no part of them need suffer for excellent drinking water in any season of the year. Facts like these must satisfy the most incredulous, that in point of pleasantness of temperature and general salubrity, the climate of Texas is as inviting as that of any other country.

In the opinion of respectable physicians and others, a residence in this country would be as likely to mitigate or relieve pulmonary and consumptive affections, as any part of the South of Europe, or of the West Indies. Several striking cases of entire relief from these diseases are stated by persons of the highest intelligence and character.

One of these is a gentleman, whose name as a patriot and statesman, holds a distinguished place in the history of Texas. He states that when he left his former residence in the United States, his frame was wasted to a skeleton, his strength was gone, and he was regarded by his friends as in the last stages of consumption. Since that time he has fought the Indians and Mexicans in various campaigns; suffered in common with other Texians the evils attendant upon flight, exposure and exile; but now, in the enjoyment of vigorous health, exercises a powerful influence over the councils of his adopted country.

Another instance is of a physician, who had spent several years in France, and found no advantage from the celebrated salubrity of parts of that country. By the advice of the Texian minister near that court, he came about a year since to Texas, and has so far improved in health, as to look forward with fair prospects of final and complete restoration.

Numerous other instances are related by the subjects of the

disease themselves or their immediate relatives, who, from pining and despairing weakness, accompanied with bleeding of the lungs, now enjoy a health apparently as sound and vigorous as any others.

SOIL.—In relation to the character and productions of its soil, perhaps no country offers a greater variety that is valuable, a larger proportion of that which is fertile, or any that can surpass some of the bottoms and level prairies of Texas.

In its different portions are found almost every variety, including alluvial, level, undulating and mountainous, which latter portions are all of secondary formation, the debris of whose rocks, as well as other parts of the elevations, form what are called calcareous and most valuable land, embracing sandy, clayey, rocky and pebbly earths, with shades of their intermixtures.

With few extensive exceptions, Texas is a prairie country, whose streams, rivulets and creeks, as well as rivers, in their meandering courses, skirt these native meadows with woodland and forests of various width and extent. The causes for the absence of timber on these plains, are not found in the unfitness of the soil for their production, or the want of roots or seeds by which they might be propagated. The true reason in most cases is, that from the fertility of the growth of grass and other herbage, it is so luxuriant, that when in autumn, by accident or design, the fire gets into it, it burns with a heat sufficiently intense to kill all the young timber and underwood among which it grows. In those places where the land is poor, and the herbage less abundant, trees, whose bark is thick, endure the fire and grow into forests. Hence it appears, that the absence of timber and shrubbery upon a plain, or the sloping acclivities of hills, furnishes no indication of its barrenness, but, on the contrary, gives evidence of the prolific character of the ground.

Seen at a distance from an eminence, these prairies, fringed along their sides by the woods and vines that line the banks of the creeks, and occasionally studded with the copses of timber called islands, either upon the summits of low hills, or marking the point where springs arise, wear the appearance of fields, meadows, lawns, and woodland, formed by art and industry, and exhibiting what would be regarded as the fruit of taste and refinement.

The eastern section of the country contains a larger portion of timbered land than most other parts, except the cross-timbers. Here are found pine, oak, ash, cedar, elm, cypress, and other forest trees, extending even to the northern border of the republic, affording, it is believed, ample materials for all purposes of fencing and building. The soil, though varying in character, is adapted both to grazing and agriculture. Near the gulf, and for some distance in the interior, as in all the southern parts of Texas, the land is well fitted for the cultivation of the sugar cane, as well as for cotton.

From the little experience yet acquired, the evidence is uniform, that the cane here grown is more luxuriant, ripens more fully, and developes the saccharine juice in greater perfection and abundance than in most parts of Louisiana. The cotton of this region also is said to be finer, more silky, and of a longer staple than in most parts of the United States, and to command a higher price in market. Certainly some fine specimens of Texian cotton have been shown us, which, if they are fair samples of the whole, would justify the foregoing statement. Farther north, cotton must be the principal production for exportation, and for this almost every portion of the country is admirably adapted. Except along the rivers, the north-eastern portion of the country is thought to be less productive than other sections, but still abundantly profitable under the judicious cultivation of skilful cotton planters.

From the Brazos westward to the Colorado, including the Caney and other creeks, the lands in the level region appear

to partake of similar characteristics, and to resemble each other in color, fertility and natural productions. Much of this land is of a reddish cast, though darkened by the admixture of other kinds of earth and vegetable mould. Some portion of salt is believed to be mingled with this kind of alluvion, and to that circumstance, and the quantity of nitre evidently mingled with it, is attributed some part of its astonishing fertility.

The Guadalupe, and the streams lying westward of it to Neuces, (river of Nuts,) all afford considerable bottoms of deep black alluvial earth, well clothed with timber, and exceedingly fertile. All the southern parts of this extended region are well adapted to sugar cane, and would be found no way inferior to the very best sugar lands in Louisiana, and much preferable to any which lie above New Orleans. At present however it is not desirable that any other considerable crop than grain and provisions should be cultivated in Texas, as all that can for several years be produced will no more than supply the wants of the innumerable emigrants, who crowd to her shores from Germany and England, as well as from the United States.

Farther from the coast, and towards the sources of these streams, the land becomes more elevated, but still abundantly fertile, and fitted to produce, in addition to corn, cotton, figs, etc. all the grains and fruits of the temperate zone. In this region most of the land, except the bottoms of the rivers, partakes, in some degree, of an argillaceous, and calcareous character, mixed with a greater or less portion of sand. It is sufficiently firm for every agricultural purpose, and yet friable enough to be easily wrought by the plough. Such soils, it is well known in northern parts of the United States, are among the very best for wheat, and for apples and pears. It is hence inferred, that on these grounds these products might be successfully cultivated.

But theory like this is not the only ground on which to

rest these conclusions. The experiment has been in some degree made, and though in one case the rust lessened the value of the wheat crop, it grew finely, and, but for a season of rain, just before ripening, would probably have equalled the best crops of the kind in Indiana or Ohio. Apple and pear trees grow well here, and no reason is known why they may not at maturity produce their fruit in perfection.

From the bay of Matagorda to the western part of Galveston bay, and into the interior along the banks of the Brazos and Colorado, for a distance of about one hundred miles, the live oak abounds. Near the sea coast it grows to a great size, and frequently exhibits a beautiful shaft of from twenty to thirty feet in length. Farther inland it usually throws out its large branches near the ground. This tree, the cedar, and some others, usually indicate that the soil where they abound is in some degree calcareous.

Among the trees found upon the river bottoms, the largest and most majestic is the cotton wood, a species of the poplar, (*populus elatior*, *fortasse*,) the timber of which is light, and has been regarded of little value. Rails made of the heart of it however are quite durable, and beginning to be held in considerable estimation.

Among the uplands, in addition to the prairies, there are many considerably extensive tracts of comparatively open timbered land, technically called post oak lands. These are seldom dense forests, but rather resemble thickly set orchards. The timber is mostly post oak, interspersed with black jack, and an occasional hickory or elm. The land is usually elevated, frequently quite level and covered with grass. This kind seems to be regarded of inferior quality, though in some places the long and thick grass indicate great productiveness. Again there are found elevated ridges of very poor land, upon which the grass is thin and of feeble growth, not sufficiently vigorous to produce a fire that will destroy the young timber. Upon these some valuable pine timber is found, but all other trees

seem stunted and are too small and shrubby for any use but firewood.

Among the elevated lands at a distance from the coast, both among the post oaks and on the prairies, are frequent patches, some of great extent, nearly covered with clusters of indigenous grape vines. Where the fire has not reached these for two or three years, they acquire considerable size, and produce with astonishing fruitfulness. There are several varieties of them, most of which are of fine flavor for the table, and would probably make a valuable wine or raisins. Whatever may be their specific qualities, they clearly prove the adaptedness of the soil for vineyards. A vineyard of much profit might be formed almost at once by grafting choice varieties of the grape upon these native roots.

Perhaps no country offers better prospects, to vine dressers, than this. In various places also among the thick shrubbery upon the low prairies, and climbing to the tops of the tall forest trees of the river bottoms, are found innumerable grape vines, but their fruit seems to be held in less estimation than those among the hills and post oaks.

Among the rich prairies of the upper Colorado, and along most of the low prairies near the rivers in the western part of this country, we find the musquit tree, a variety of the acacia, or locust family. Like other trees of this genus its flower is papilionaceous, and its fruit a bean, growing like other beans in a pod. This bean is said to be quite valuable for hogs and cattle, who freely eat it, and thrive upon it nearly as well as upon Indian corn. This tree is armed, like others of its family with spines, is exceedingly tenacious of life, sprouting up from the root, though its whole top has been killed by fire a hundred times in succession.

Its timber, where it can be found of sufficient size, is exceedingly valuable for posts or other purposes where hardness and durability are required, both of which qualities it possesses in a high degree. From all these qualities, it has been suggested

that it would make a most valuable and durable hedge. Its character for this purpose has not been tested, but little doubt can exist, that a hedge of it, when once complete, would require little labor, be perfectly effectual as a fence, and as permanent as any fence of the kind whatever.

In the same regions is also found the *musquit** grass, a plant much resembling the spear or blue grass of the United States. It is said to grow quite vigorously, to be highly nutritious, much sought after by cattle and horses, and to retain its greenness and nutritive qualities during the winter. Even when frosts of uncommon severity, as is sometimes the case, have caused the upper leaves to fade and turn downward, it seems to lose neither its flavor nor value in the estimation of the cattle, who continue to seek for it and eat it with unabated avidity. Certain it is, where this grass abounds cattle lose nothing of their fatness and vigor during the winter, and are frequently driven up from the prairies at all seasons of the year to be butchered and sent to market.

That portion of Texas which is called the mountainous or hilly part, with the exception of the higher parts of the hills, is rich and abundantly fitted for the production of grain, hemp, grass, etc. The valleys along the streams are believed to equal in fertility any part of the United States, and both hill and valley to be well adapted to the production of apples, pears, quinces, plums, peaches, and every other fruit found in the temperate zone.

This may not unlikely become the granary and hemp district of the Republic, and from its advantages in hydraulic power, may well furnish the rest of the people with manufactures.

* Why these two valuable productions should be designated by a name signifying musquitoe, is to the writer unknown. They certainly merit much more honorable titles, especially as much of the country where they grow this insect is almost unknown.

In giving an account of the soils of Texas, we think proper to annex the following description of a section of the country, which is fast filling up with a desirable population, whose prospects bid fair, from the fertility of its lands and commercial advantages, to become a most important portion of the Republic. The writer's views and conclusions accord fully with our own, and they will doubtless be verified in their results. It was penned by an intelligent traveller two or three years since, who is now, we are informed, a resident of the section of country described.

“Early in April we reached the Trinity, a beautiful river which has its source near Red river, and flows through a magnificent country till it reaches the bay, near Galveston, in the Gulf of Mexico. This region, which has hitherto been somewhat overlooked in the great struggle for lands farther west, is now attracting much attention, and is among the most desirable and important in the Republic. Its rich cotton and grazing lands have caught the eye of the planter, and they will soon be occupied and form the most valuable settlements in the country.

The Trinity river affords the best steamboat navigation in Texas. Boats have already ascended to New Cincinnati and Osceola, and can easily go to the Three Forks, in the mineral region, some two or three hundred miles above. This is a district of remarkable fertility and beauty. That portion of it embracing the counties of Montgomery, Houston, and Robinson, is now settling rapidly, and with great advantages and facilities for trade and navigation, must remain unrivalled for many years to come. The valleys of the Trinity present some of the richest soil and most beautiful landscape scenery in the south-west. Her rich meadows and high rolling prairies are uncommonly beautiful; and no Roman principality, no German barony, or English manor, can surpass in beauty and magnificence some of the princely estates in this region. It affords the best grazing district on earth; and wheat, among

other various products, grows there as luxuriantly as in New England or Canada. On one farm, not far from the river, in Houston county, may be seen a crop of wheat already harvested, the beginning of June, with rich fields of cotton, corn and tobacco, rye, barley and oats ranged side by side each other, and Irish and sweet potatoes keeping loving company together throughout the land.

Large herds of deer and wild cattle are common. Fish are abundant in the lakes and rivers, and thousands of wild horses ramble about, and graze upon the surrounding hills and prairies which overlook the valleys of corn. Sheep do well here even upon the prairie grass, and horses, and cattle, and mules are raised at least 50 per cent cheaper than in any part of the United States.

Garden vegetables of every description are easily cultivated, and yield in the greatest profusion. Many of the fruits of the tropics, and those of the north, grow luxuriantly. The fig, peach, nectarine, grape and quince are equally prolific, and produce excellent fruit. The mulberry is indigenous to the country, and the rearing of silk worms will become an easy and profitable branch of agriculture. A great variety of berries and nuts grow wild and in the greatest profusion. The pecan is very abundant. The pawpaw grows wild, and produces a large, pulpy and luscious fruit. The orange, lemon and pine may be made to ripen with a little care.

This region of country is eminently healthy. It is beautifully supplied with springs of the purest water, and the air is always fresh either from the mountains or sea. This must soon become the resort of rich invalids and the man of leisure from the Southern cities, on account of its double charms of salubrity of atmosphere and picturesque scenery. The discovery of the *Salinilla Springs*, both sulphur and chalybeate, must insure a rapid and permanent settlement of this interesting district.

Lands are in demand here, and can be had, just now, from

two to five dollars per acre ; but how long will it be before they advance to fifty dollars ? Is it possible that lands yielding two bales of cotton, or two hogsheads of sugar and tobacco, one hundred bushels of corn, two or three tons of hay, forty bushels of wheat and seventy of oats, and five hundred ditto of potatoes per acre, and only two days transportation to New Orleans, can be worth less than fifty dollars ? Here is plenty of timber and good water. The land is high and rolling, easy and pleasant to cultivate, yielding to the industrious farmer an abundant reward for his labor, and producing every thing incident to the climate in the greatest profusion, and with an ease to the cultivator that would appear incredible to people of the northern states, who are accustomed to a land of sterile soil and severe climate.

In addition to all this, there are inexhaustible beds of stone coal, limestone and freestone of a beautiful color and texture, and easily dressed for building. Some valuable salines are found here, which will be sources of wealth to the country, and large quantities of salt of superior quality, can be manufactured for home consumption or shipped to Galveston and New Orleans.

Some of the pipe-clay in the coal formations, will answer well for pottery and stone-ware. Iron is found here, on the Trinity, and is said to be very good. The lead mines near the upper forks of the river, will be immensely valuable. The metal is found as pure and abundant as at Galena and Dubuque.

What inducements are here given to the skilful cultivator of the soil ; what prospects of wealth to the industrious mechanic, and what a wide and endless field for speculation to the man of foresight and business ! If he would carve out his own fortune at the expense of temporary sacrifices, in preference to fretting away his existence in the slavish occupancy of an overstrained competition, let him turn his eyes and footsteps to the illimitable west."

PRODUCTIONS.

CHAPTER VIII.

The varied uses of corn.—Irish potatoes indigenous.—Two crops of corn can usually be obtained each year.—Price of corn in 1839-40.—Fine cotton country.—Large crops.—Sugar cane—its superiority over that of the United States.—The utility and healthfulness of Sugar.—The cultivation of the cane not confined to wealthy farmers.—Method of cultivating Sugar.—Rice can be grown to great profit.—Indigo indigenous.—Process of culture—its manufacture profitable.—Grapes—their abundance—suitable as an article of trade.—Flax and hemp.—Tobacco.—Sweet Potatoes—their excellence.—Garden vegetables,

As these are very various, and comprise many things belonging to different departments of knowledge, it becomes proper to separate our remarks into distinct heads, though it is probable, we shall not by that course entirely avoid repeating some things already before the reader.

AGRICULTURAL.

Of these we have already said much, but conclude on that account not to forbear a somewhat minute notice of agriculture, as it is, and must probably become in a comparatively short time. As they now exist, the productions of Texian agriculture are very few, and those of the most immediate necessity to the husbandman himself, and still later emigrants. While all that his most active industry could produce of the single article of grain, found a ready market at his own door, and at almost his own price, and while the necessities of the new

settlers demanded even more corn than the older inhabitants could produce, it would have been worse than useless to attempt the extensive cultivation of those crops which were not of prime necessity, or those which to find a market must incur the expense of transportation.

To these causes for the neglect to cultivate sugar, cotton, and the more delicate kinds of grain, should be added, that the oldest settlers are but beginning in Texas; that they are but just emerging from a war that poured its terrors even upon their hearths and firesides, that their roads and means of transportation are both imperfect, and that mills for the manufacture of flour are not yet erected in the country. That under such circumstances the comparative advantages of different kinds of agriculture should be matter of mere speculation, will not be surprising; that any experiments have been made, and many improvements proposed and in part executed, will show, that in this country no difficulties are too great to be overcome, and no disasters so great as to repress the spirit of enterprise.

At present but little else than corn and rye, and very little of the latter grain, are cultivated in any part of the country. This crop gives bread to the family, fattens their pork, feeds their working horses and oxen, and furnishes corn blades, usually called fodder, which serve here all the purposes of hay in the northern states. Thus this one single article, comprises nearly all the products of field husbandry throughout the republic.

Small patches of sweet potatoes, (*convolvulus battatata*,) cabbages, turnips, which are here surprisingly prolific, and Irish potatoes are cultivated as semi-garden crops at almost every dwelling. The last named are declared to be found indigenous in different sections of the country, though the native plants are believed to be inferior in productiveness and quality to those which have been introduced from abroad. Early crops of this invaluable root thrive well, but those planted late seldom thrive. Turnips retain their leaves and

freshness and continue to grow through the whole winter, as does also the large leafed mustard.

In some few instances, small fields of rye are seen, most of which require to be fed down in winter to prevent too great a luxuriance, which, without this precaution, would grow too large and fall down. In some places abundant crops of this grain rewarded the labors of the sower.

The time of planting and manner of cultivating the corn crop differs materially here from what is common in New York and the eastern states. Two crops of this grain are usually planted in each year; one of them about the middle or latter part of February, the other late in June or about the first of July. When the young corn springs up it is customary, after passing the plough between the rows, to go over it with the hoe, though this is done with much less care than is usual at the North. After this the plough is almost the only instrument employed in nursing the growing crop. One or two dressings of this kind, being the only attention bestowed upon it, suffice to clear it of weeds, and it is then allowed to flourish or pine as the season may prove favorable or otherwise.

Did the planters give that care to the preparation of the ground, the weeding and other attentions bestowed upon this grain in New England, their products would doubtless be much greater. Cultivated as it is, it frequently yields sixty or seventy bushels to an acre, though this is greater than the average crop.

From the rapid and continuous influx of emigrants and travellers, the price of this grain varied the last winter from one to three dollars a bushel, and from the same cause will unquestionably remain high for several years to come. When, however, the number of producers shall equal or surpass these strangers, it is presumed that the article will become so plenty as materially to fall in price, when planters will turn their attention to other kinds of agriculture.

Of the other grains little need be said here, as their culti-

vation has hardly been commenced, and the seasons or methods best adapted to their production have not been satisfactorily ascertained. It is however well settled that in the level parts of the country, all the grains except wheat and perhaps buckwheat, may be cultivated with entire success.

In the undulating and mountainous portions of the country, all the grains may be produced in abundance, and, it is believed, in high perfection. Just as soon as mills shall be erected, and a market appear for them, wheat, rye and buckwheat will be seen waving among the hills that bound the valleys upon all the rivers of the upper country.

Notwithstanding the high price of corn, and the difficulties attending sending cotton to market, large numbers of the planters along the Brazos and elsewhere, are rearing considerable crops of that great staple of the south. That this country is admirably adapted to its growth, and to produce it of excellent quality, needs no other proof than the silken delicacy and length of its staple, and the fact that four thousand pounds of seed cotton, (more than one thousand pounds of clean cotton, fit for spinning) have been obtained upon an acre.

Though it is admitted that the above is an extraordinary crop, it is believed that very much of the bottom lands of the Brazos, San Bernard, Caney, and Colorado, will not unfrequently yield three-fourths of that quantity. Such crops, it will be perceived, even at low prices, produce a rich reward for industry, and prove that for agricultural purposes Texas may vie with the most favored portions of the earth.

It is said that upon prairie land which is just broken up, cotton succeeds much better than corn, and is more profitable as a first crop. This, if true, is important, and worthy of being ascertained by clear facts, because the first year of a settler's residence is too important to allow him to forfeit any of his advantages.

When the country shall have become settled, and the lands subdued by the hand of industry, there is no doubt that cotton

will be extensively cultivated in this republic, and that Texas will be a strong competitor with her parent country in the markets of Europe.

With equal amounts of the material, and of superior quality, she will claim the full share of mercantile consideration, and hold a rank in commercial transactions equal to older nations, whose territories cover far more extended regions. As yet, however, this branch of agriculture is but beginning, though several new and large cotton gins have been erected within the year, and others are contemplated.

SUGAR CANE, like most other crops, has heretofore received but little attention, and very few and small fields have been cultivated. Enough however has been done, to prove that all the level parts of Texas, and probably most of the level prairies of the western rivers, are capable of producing it in abundance and high perfection. Where it has been planted along the Brazos, it has grown with a luxuriance and to a size unknown among the river bottoms of Louisiana. It is asserted also, that a greater length of stalk matures its saccharine juice, and that this juice is richer than is found on the Mississippi.

The comparative superiority of Texian sugar cane over that of the United States, is declared by so many witnesses, and those of such high respectability, as to remove all doubt of its truth. One gentleman, whose plantation is some distance from the coast, the last year planted a small field of cane as an experiment, from which in the fall, besides a sufficiency for planting again, he obtained an abundance of excellent sugar for his family, and a small surplus which he readily sold to his friends in the neighborhood. The result of this trial induced him to make preparation for considerably enlarging his cane fields the ensuing season.

Not only the bottoms, but rich uplands it is presumed will be found suitable for the cultivation of this noble vegetable. Indeed, in soils of equal richness dry uplands will probably produce sugar of better quality if not in greater abundance.

Of the value of this plant it is difficult for persons unacquainted with its culture to form a just conception. For every domestic animal, as well as for man, it forms a favorite article of food; cattle, hogs, horses and goats feeding and fattening upon it with great rapidity. To all of them it seems to be equally pleasant, healthful and nutritious. No instance has been mentioned (to the writer) in which injury occurred to stock from feeding upon it.

It has been sometimes thought that sugar was injurious to the human stomach and teeth. This opinion is now entirely exploded wherever the culture of the cane succeeds. There the fact is well established, that few if any articles of diet are better adapted to remove difficulties of digestion, nourish and strengthen the system, or gratify the palate than this.

So well convinced are most planters of the healthful effects of the juice of this plant, that they commonly set apart a small field near the house, which their children are permitted to cut up and eat at will. If other evidence be wanting upon this point, it is found in the effects of the juice, syrup and sugar upon the negroes who make it during the whole of what is called the rolling season. At this time the cane is gathered and rolled, i. e. passed between rollers, by which the juice is expressed, and by a boiling process the sugar is crystalized. This season is one of peculiarly hard work to slaves, requiring the exertion of greater strength, and affording them less intermissions of their toil.

So far is this however from inducing weakness, emaciation, or depression of spirits and sluggishness of feeling, that at no season of the year are they so active, healthful, fat and cheerful as this. Now with them is the season of mirth, songs and every species of merriment and gaiety, and their full faces become sleek with fatness.

The opinion has been frequently expressed, that sugar cannot be profitably cultivated except upon large plantations, and with the expenditure of a large capital. The rolling of the

cane, and the various operations necessary for completing the crystallization of the sugar, and securing the whole product, certainly cannot be very conveniently done without considerably expensive apparatus; and he that would conduct the whole concern by himself in an extended manner, must of necessity lay out a large expense.

Still many small farmers in Florida and other parts of the south, are accustomed to grow their own cane, and with miniature apparatus to manufacture sugar for themselves. Some of them who began in this small way have subsequently enlarged their operations, and produced large quantities of sugar for exportation. It hence appears that this branch of agriculture is not necessarily the monopoly of the rich, and may probably be successfully prosecuted by persons of small capital as well as others. It would seem that by an arrangement among neighbors, a single sugar mill might serve the purposes of a considerable number of persons. Small but well constructed establishments for individual use might be devised, and larger ones for companies. By such arrangements as these, which are common in relation to cider mills and other purposes in the north, it is probable that sugar-making may become a common and profitable business among the poor or moderately wealthy part of community. At least no insuperable obstacle appears to prevent it. It is hoped that persons of enterprise and spirit will soon make these suggestions matter of experiment and proof, and thus induce a much more rapid and dense population of the level section of this beautiful country, than could otherwise be expected.

The method of cultivating this valuable plant, except that it needs replanting but once in several years, is in most respects similar to that employed in cultivating Indian corn after the young grain has come up. In appearance it more nearly resembles broom corn than maize, and in this country exhibits neither tassel, blossom nor seed.

When matured the edges of the leaves are serrated and ex-

ceedingly rough, and, before cutting, the stalks are broken off with sticks to prevent their lacerating the hands. The top, some part of which is always immature, is cut off, and left with the leaves upon the ground. The stalks are then cut close to the ground and carried in small bundles, for they are very heavy, to the cart or other vehicle which conveys them to the mill. A portion, however, of this cane is reserved for either planting new fields, replanting the old one, or supplying such hills as fail to send up new shoots in the spring. When planted, each joint takes root and sends up its shoot, which, in due time, matures its sap into a sweet and delicious juice, fitted by the mere act of boiling, to become the sugar of commerce.

There are several varieties of cane cultivated in the southern parts of the United States, all of which however are very similar in their habits and products. The ribbon cane is so called from the bright stripes of purple and straw color which pass up and down the stalk, making it beautiful indeed. This variety is smaller than some others, but contains a richer juice, and is said to be less affected by early frosts. The rind or woody part of this stalk is also harder than that of the larger kinds.

The Otaheite cane is large, with a beautiful pale green complexion, is easily ground, and thought by some to be preferable to other kinds. Another variety is called the creole cane, probably because found native in some part of America. A very small kind of this article is sometimes reared in gardens as a delicacy, its juice being remarkably sweet and pleasant. The ribbon and Otaheite varieties are those mostly cultivated.

Sugar and molasses are not the only forms in which the juice of the cane becomes an article of food and luxury. A clear and transparent syrup of the color of very white wine, and of a consistency less viscid than treacle, is prepared of the purified liquor before chrystallization, and preserved to

minge with water for a summer beverage, and as a sauce for puddings, etc. It is called among the French along the Mississippi *sirop*, their method of pronouncing the word *sirop* or syrup. This article is much more delicate than molasses, and pleasanter than sugar itself.

Next to the grains from which breadstuffs are prepared, perhaps no article in the vegetable world is more valuable, or more universally desired, than the products of the sugar cane. It forms an essential ingredient in many of the most important medicines, forms a part of almost every delicacy that gratifies the palate, and by its preservative qualities becomes the leading article in all conserves of fruit, and, to large portions of the world, an important part of ordinary diet.

RICE has not as yet been cultivated to much extent in any part of the republic. The reason for this, as in relation to most other crops, is found in the state of the country, and the want of suitable machinery by which to prepare it for market. The soil however of all the bottoms and level prairies is well fitted for producing it in abundance. Though not equally suitable for this purpose with the lowlands, it is believed that profitable and generous crops of this grain may be reared upon the elevated prairies and other uplands.

Of the comparative profit of this crop with others, little certain is known; but while its present price shall continue, it would certainly yield to the small farmer liberal compensation for the labor and expense of its cultivation. It was sold about the beginning of the present year, to the innkeepers of the city of Austin, at twenty-five cents a pound.

It may be cultivated either on lands which can be flooded, or as an upland crop, on a limited or extensive scale. It is believed that it would yield large crops, and well repay the labor of the husbandman. Forming as it does one of the cheapest and most nutritious grains, it is hoped that it will

soon receive such a share of attention as its importance deserves.

INDIGO, though not yet one of the agricultural products of the country, would seem likely to form in future one of its valuable exports. This seems to be indicated by the fact, that the indigo plant (*Tinctoria indigofera*) of a very excellent quality is found indigenous along the way sides in different parts of Texas. From this plant indigo has been made in families, and is thought to be superior to that imported. Of the value of this article it is not necessary here to speak. It is well known that from this product alone the Mexicans formerly received at the single port of Vera Cruz, annually, a sum of about three hundred thousand dollars.

When it shall be fully understood that this was done by people little skilled in agriculture, and still less in the art of extracting the coloring material and fitting it for use, and when it is also known that great improvements have been made in the manner of treating the gathered plant and its products, some enterprising and ingenious farmers will be likely, by a judicious attention to the indigo plant, to realize speedy fortunes.

It has been estimated that inferior lands in the southern parts of the United States, with ordinary care, would produce from two hundred and fifty to three hundred pounds of indigo per acre, with less expense of machinery and labor than is necessary for an acre of cotton. This product at seventy-five cents a pound would yield a much greater profit than the very best cotton ever cultivated.

The usual manner of cultivating this plant, is to mellow the ground with the plough, sow the seed thickly in drills, and, as occasion may require with the plough or hoe, clean out the weeds. When at sufficient maturity, the plants are cut with a sickle or knife near the ground, and placed in vats to ferment, by which the coloring matter is disengaged; the roots

meanwhile remaining to sprout anew, and in the same year produce a second and sometimes a third crop. As by a vigorous and large growth, a correspondent increase of coloring matter does not take place, it is well for the plants to stand thick in the rows, and by number alone augment the production of the field.

The most common method of extracting and preparing the indigo for market, has heretofore been to immerse the green plants as soon as cut in vats of water, and leave them there to ferment, or rot, as it is called. This process may require a longer or shorter time, according to the character of the water and heat of the weather. When the coloring matter is released, of which, experience alone can enable one to judge, the water is drawn off, or the plants removed, and the liquor, after being strained in order to take out small remnants of the plant, is passed into another vat, where it is strongly agitated, or, as it is called, churned, for a considerable length of time, till certain changes take place in its appearance. When this is done, a portion of lime water, or the juice of some very astringent vegetable, is added to it, and it is left to precipitate or settle to the bottom. This being done, the useless liquor is carefully drawn off and the blue mass left to dry. When afterwards it is broken up, further dried, and enclosed in skins of raw hide, it is fit for market. These packages are called seroons of indigo.

This method of extracting and preparing indigo, is attended with several unpleasant and dangerous effects. While undergoing this fermentation, the vats exhale a fetid and most offensive odor, at once disagreeable and injurious to health. The removal of the decayed plant from the water, and the whole subsequent process, is therefore in the highest degree disagreeable and sickening. The consequence is that a very large proportion of the laborers employed, become sick, and the diseases arising from this source are often malignant and very fatal. So frequently has this been the case, and so ter-

rible has been the result in many cases, that very many planters in the southern states and the West Indies have discontinued its production. Hence we are dependent for nearly all our supplies of this important dye upon importations from Mexico, South America and Bengal.

If this branch of agriculture necessarily requires such an expense of health, and even life, it ought at once to be abandoned, whatever might be the consequences in a manufacturing or commercial point of view. A few facts however will show that this is not the case, and that indigo of the finest quality may be produced in abundance, in either a small or extended way, unaccompanied with any of the disastrous results above named.

It is now understood, as the result of numerous experiments, that the coloring matter of indigo can be extracted more perfectly, and with less impurities by boiling than by fermentation. This practice induces no vegetable decomposition or offensive smell, other than the native odor of the plant, is productive of no disease or danger, and produces an article of a higher quality than is obtained in the former method. The boiled liquor requires less churning than that fermented, settles more readily, and is sooner freed from the moisture of the vat.

The indigo plant treated in this manner, yields a better, larger product, of a purer character, with less labor, and no injurious effects are produced upon the health of the planter, his family or servants.

This branch of domestic industry requires no expensive or complicated machinery, no special skill or preparation, is fitted to be conducted in a small way or otherwise, and is abundantly profitable. The only reason why it does not attract the attention of agriculturists, is presumed to be, that their other crops are too profitable to allow them to think of change. To those who shall first revive the culture of this plant, it

will be likely to prove the source of much prosperity if not of independent wealth.

GRAPES can scarcely be termed either an agricultural or horticultural product of Texas. Yet for every purpose of preserving or the table, they may be obtained from native vines to any desirable extent. They comprise numerous varieties, from the size of the largest fox grape to the smallest of the frost grapes at the north. Their qualities and flavor also are as varied as their size, color and clusters. Some are exceedingly sweet to the taste, and probably contain much saccharine matter; others are juicy, with a musky flavor, and others, though when first placed in the mouth are rich and pleasant, directly after produce a sensation of roughness, accompanied by an uncomfortable drawing up of the mouth and lips from their astringency. Some of these fruits seem also to possess a corrosive quality, exciting upon the lips a stinging sensation with a slight soreness.

From some of these native vines, it is said, wine of great excellence has been made, and which might for flavor and purity compete with most of the wines of Europe. Whether any of this fruit would be suitable for raisins has not been ascertained. Little doubt can exist but that many of them might be packed in jars, with chaff or saw dust, and transported to cities and towns at considerable distance, and where they would be a luxury indeed. Vines are found growing in great abundance upon the rich timbered bottoms of many of the rivers, and on the prairies wherever the shrubbery can escape the power of the annual fires.

Whenever a sandy prairie is found a little elevated above the surrounding level one, grape vines spread themselves over its surface like the vines of pumpkins in a field planted with that production. Though no tree nor shrub is found to support them, they grow with great luxuriance, and spite of fires continue to grow and spread their branches at great length

along the ground. It is presumed however that most of the fruit of these vines, lying as it must upon the earth, and covered with moist and thick grass, fails to arrive at maturity. Were the grass removed, and the vines raised from the ground, their fruitfulness would probably be incalculable.

The most esteemed however of the grapes of Texas are found upon elevated lands, of a sandy or gravelly character, where they exhibit what may without impropriety be styled native vineyards, and produce, except when prevented by the burning grass, splendid crops of excellent fruit. These will in due time probably become a source of profit to the husbandman, as they certainly will of ornament and luxury to the man of taste and the lover of fine fruit. With a climate as fine as that of Italy, and a soil far surpassing to it, time only is necessary to render the fields of Texas as delightful to travellers as are now the scenes where once a Fabius fought, a Tully spoke, and Cesar reigned.

FLAX and HEMP are not at present cultivated in this republic. Some experiments however have been made, by which it would seem that they can both succeed. It is probable that upon the bottoms of the streams, flax sowed early would acquire a competent height and yield a good crop, but whether at the present prices of labor, and without machinery, the largest crop would be a source of profit, is matter of some doubt. In the undulating and mountainous parts of the country, hemp would undoubtedly succeed, and when the cultivation of cotton shall become extensive, the hemp culture and manufacture will be necessary and valuable auxiliaries.

TOBACCO will grow vigorously in all parts of the country. In any place not too wet it would probably produce an article of high excellence. It has yet been cultivated only for home consumption, and mostly for the individual use of the grower. While the demand for grain shall continue so pressing, prob-

ably little more will be done in this article than is now done. Should however peace with Mexico soon transpire, the demand for tobacco there may induce a considerable attention to it here. In nearly all the towns of Mexico it always finds a ready market and a good price.

IRISH POTATOES, for family use, are cultivated with as much success as in any other portion of the south. An early crop planted in February generally succeeds, and furnishes in April and May a plentiful supply of that healthful and palatable root. If planted later the heat and droughts of summer commonly prove too severe, and the production is small and of little value. They have been found wild and indigenous, in some parts of the republic, but the tubers were small and less palatable than those that had been cultivated. Probably by careful cultivation this native plant would greatly improve and become valuable as a new variety.

From the causes above alluded to, this article can never become an object in this country for commercial purposes, except as they are purchased from the northern shippers for winter use. It seems a little singular, that though the potatoe is a native of the south, and found in its natural state only near the tropics, and though in high northern latitudes if left without artificial protection it would perish in less than a single year, yet, under the hand of cultivation, it is produced above 40° N. L. in higher perfection and excellence than can be obtained in its native regions. Is the same fact true of other vegetable productions? and is it in accordance with the usual laws of vegetation that plants improve on being removed from their native positions?

SWEET POTATOES (*convolvulus battatata*). This excellent and much prized root grows in all parts of the country with great luxuriance and profusion. They are thought to be produced here in as high perfection as in any part of the world.

They grow to a large size, weighing often seven, eight or ten pounds, and sometimes have yielded six or seven hundred bushels to the acre.

Were it necessary to use them for such purposes, they would no doubt be excellent for milch cows and beef cattle. As it is they may certainly be a very plentiful and cheap, as they are a very excellent table vegetable. Every variety of them seems equally to flourish, and nearly equally abundant in product.

Garden vegetables of almost every kind, flourish here in a degree unknown in most of the northern sections of the United States. Beets, parsnips, carrots and other roots, grow large and require no protection from the winter. Beans, peas, lettuce and other herbs, flourish even to exuberance, and furnish delicacies at once healthful and luxurious. Tomatoes, egg plants, and every variety of annual plants, seem to grow almost spontaneously.

Melons, if protected from grass and weeds, even without culture, grow to a large size. When carefully cultivated their produce exceeds any thing elsewhere known, even Nashville in Tennessee not excepted. Of the musk melon there are many varieties of great excellence, some of which in sweetness scarce yield the preference to the sugar cane.

With a little well directed attention, the productions of a common Texian garden might rival the finest exhibitions of horticultural success of the older cities of the north. It is true, that raspberries and strawberries are not natives of the country, but when introduced have shewn that they lost nothing by their emigration to the land of prairies. Some of these were conveyed from Mississippi to the banks of the Brazos, in the spring of 1839, and in a few weeks after planting sprung up and produced a small quantity of fruit. They have since been further removed to Austin where they will probably become parents to the fruit beds of many a garden.

Whether, then, the object of a garden be ornament or vegetable sauces, success is easy, and can only be defeated by great want of skill or sheer neglect. Cucumbers, squashes and pumpkins, in all their varieties, are as productive as any other vines, and need little attention except planting in suitable situations.

CATTLE, HORSES, ETC.

CHAPTER IX.

Cattle raised without expense.—A well conducted Dairy a profitable business.—Horses—the country well adapted for raising the finest breeds.—Wild horse of the prairie.—Working cattle easily broken.—Sheep and goats.—English wool growers.—Swine—their increase.—Mast.—The ground pea.—Domestic fowls—their increase.—Bees—a simple method of preserving them.—Wax and honey an article of exportation.—Silk worms—adaptedness of Texas to the growing of silk.—Farming advantages of the country, etc.

ONE important branch of husbandry in every country, consists in rearing and using domestic animals. These form his teams for labor, supply him with flesh, milk, butter and cheese, and afford the materials for clothing his body and even his feet. In most parts of the United States, and in all Europe, the expense of rearing and feeding stock is quite expensive, not only from the value of the materials consumed, but also from the labor of attending and feeding them. With the exception of animals employed in labor, and thus prevented from procuring their own subsistence, this is unnecessary in Texas.

So abundant is the herbage in both woodlands and prairies, and so slightly is it affected by the few frosts of winter, some of it retaining its entire freshness till spring, and so few and mild are the wintry storms, that cattle and hogs need neither food nor shelter other than they find for themselves. So luxuriant indeed are some of these natural winter pastures, that horses which have become poor from continued labor, on being turned out and feeding solely on the herbage they find, rapidly

regain their flesh, and by spring are fitted for again resuming their accustomed labors.

The only trouble and attention necessary to success in rearing cattle, is the occasional driving of them to their home, and there feeding them with salt or corn, to prevent their becoming wild, and to mark or brand them that the owner may be able to distinguish them from others. While thus running at large, and being their own providers, many of them will be found at any season, not merely in good order, but really fat, making excellent beef. As might naturally be expected, the cattle are healthy and vigorous, and multiply rapidly.

A small stock, unless prevented by some special cause, will in a few years become large, doubling their number every three or four years. It is scarcely necessary to add, that butter and cheese may easily become abundant, for, in such pastures, cows can seldom fail to be good milkers. Still the dairy has not as yet, except in the neighborhood of towns, received much attention. One reason for this seems to be, that the people feel not the need of this species of profit, and another, that strolling at times far from home, their cows are often irregular in coming to the milking yard. To whatever causes the neglect may be attributed, the want of means to produce these rich luxuries, is not one of them. In many families, however, milk is ever found in plenty, and butter of an excellent quality graces the table at every meal.

It is doubtful whether cheese has to any considerable extent been made in Texas. Why it has not, cannot well be accounted for, except upon the supposition that few settlers have reached there from the middle and eastern states. Few forms of female industry and skill would probably be more profitable, than would that which offered to the people of this republic a supply of good cheese.

At present this is a rare and very expensive luxury, and cannot be purchased but at exorbitant prices. Even at

Houston, where there is a direct navigation to New Orleans, the retail price is about fifty cents a pound. In the interior it is proportionably higher.

Of the suitableness of the country for rearing horses, of the finest breeds and power, with great cheapness, a judgment may be formed from the fact, that some of the horses brought to this country by the Spaniards in their early settlement of parts of Mexico, became wild, and took their place among the deer and buffaloes of the prairies. The stock descended from these originally Spanish horses, still feed upon the plains of Texas. They are called mustangs, and are often found in large herds far from the woodland upon the broadest prairies, where their enemies can be seen at the greatest distance, and where it would be difficult or impossible to take them by surprise.

Though usually smaller than the bred horses of the United States, many of these untamed wanderers of the plain have elegant frames, and run with a speed unsurpassed by the best trained racers in America. It is true, that the Mexicans make a sort of trade of running down the mustangs, and catching them by throwing their noose, called the lazo, over their necks, by which they are choked and compelled to submit.

But it is also true, that it is only the more aged and feeble of the herd that can thus be overtaken. The stronger and more valuable part of the flying troop, are far ahead of the unfortunate being whose neck is enclosed by the deadly lazo, and are in little danger of its power. Those Mexican horses, therefore, which are commonly offered for sale, are no fair specimen of the form or power of the wild horse of the prairie.

If then, without any attention to breeding from the best stocks, and without any of the nurture which skill provides for the young of valuable horses, and exposed to the thousand casualties of the forest, these animals not only multiply, but

frequently exhibit fine specimens of elegance and strength, ought it not to be expected, that with proper attention to the character of sires and dams, and with ordinary care of the young, a race of horses may be produced here little if any inferior to the admired bloods of Arabia.

It certainly appears to be no extravagant supposition, that within less than half a century, Texas will become as celebrated for noble and generous steeds, as she now justly is for her fine climate and luxuriant pastures.

The following interesting and graphic description of the wild horse of Texas, is extracted from "Prairie Sketches," recently published.

"We rode through beds of sun flowers miles in extent, with their dark seedy centres and radiating yellow leaves following the sun through the day from the east to west, and drooping when the shadows close over them as though they were things of sense and sentiment. These are sometimes beautifully varied with a delicate flower of an azure tint, yielding no perfume, but forming a pleasant contrast to the bright yellow of the sun flower.

About half past ten, we discerned a creature in motion at an immense distance, and instantly started in pursuit. Fifteen minutes' riding brought us near enough to discover by its fleetness, it could not be a buffalo, yet it was too large for an antelope or a deer. On we went, and soon distinguished the erected head, the flowing mane, and the beautiful proportions of the wild horse of the prairie. He saw us, and sped away with an arrowy fleetness till he gained a distant eminence, when he turned to gaze at us, and suffered us to approach within four hundred yards, when he bounded away again in another direction, with a graceful velocity, delightful to behold. We paused—for to pursue him, with a view of catching him, was clearly impossible. When he discovered we were not following him, he also paused, and now he seemed to be inspired with as great a curiosity as ourselves experienced ;

for, after making a slight turn, he came nearer, till we could distinguish the inquiring expression of his clear bright eye, and the quick curl of his inflated nostrils.

We had no hopes of catching, and did not wish to kill him ; but our curiosity led us to approach him slowly for the purpose of scanning him more nearly. We had not advanced far, however, before he moved away, and circling round approached on the other side. 'Twas a beautiful animal—a sorrel, with jet black mane and tail. We could see the muscles quiver in his glossy limbs, as he moved ; and when half playfully and half in fright, he tossed his flowing mane in the air, and flourished his long silky tail, our admiration knew no bounds, and we longed—hopelessly, vexatiously, longed to possess him.

Of all the brute creation, the horse is the most admired by man. Combining beauty with usefulness, all countries and all ages yield him their admiration. But, though the finest specimen of his kind, a domestic horse will ever lack that magic and indescribable charm that beams like a halo round the simple name of freedom. The wild horse roving the prairie wilderness, knows no master—has never felt the whip—never clasped in his teeth the bit, to curb his native freedom, but gambols unmolested over its grassy home, where Nature has given it a bountiful supply of provender. Lordly man has never sat upon its back ; the spur and the bridle are unknown to it ; and when the Spaniard comes on his fleet trained steed, with noose in hand, to ensnare him, he bounds away over the velvet carpet of the prairie, swift as an arrow from the Indian bow, or even the lightning darting from the cloud.

We might have shot him from where we stood, but had we been starving, we would scarcely have done it. He was free ; and we loved him for the very possession of that liberty we longed to take from him ; but we would not kill him. We fired a rifle over his head ; he heard the shot and the whiz of

the ball, and away he went, disappearing in the next hollow, showing himself again as he crossed the distant ridges, still seeming smaller, until he faded away in a speck on the far horizon's verge."

Among the mustangs, and mingled with them, it is said, are often found jacks, jennies and mules. These have the same origin as the mustangs, and accustomed in a domestic state to associate with horses, the same habit continues still. Among the Mexicans along the Rio Grande, the rearing of these animals has been a source of considerable profit, large numbers of them being driven annually towards the United States, where they are sold at good prices. This business will probably not be less profitable for many years to come than at present. The country along the Red River in Louisiana and Arkansas, with all the lower parts of the valley of the Mississippi and Texas, are rapidly increasing in population, and the demand for laboring horses and mules must of course continue to be considerable.

It scarce need be urged that sheep and goats would find in Texas a situation suited to their characters and habits. Perhaps in the lower and level section of the country, sheep might not so well endure the warmth of summer as might be desired, and consequently their wool might degenerate in quality. If this be true the fact remains yet to be proved, and it is believed the mutton of sheep fed here, is equal if not superior to the very best of that article in any of the states. In the undulating and hilly regions, no difficulties like those alluded to are even suspected. No doubt exists in any mind, but that upon the prairies, and even in the woodlands, sheep would find abundant and suitable food, would be healthful and vigorous as in any other country, and produce fleeces as fine as animals of the same breed in the most favored districts. Nor does this opinion rest merely upon conjecture. A few flocks have been introduced into different sections of the country, and by their rapid increase, rich fleeces and fine

flesh, give abundant indications that their introduction will be highly profitable to their enterprising owners. One fine flock has been driven as far into the interior as Austin. Although their arrival was but a few weeks prior to the time the writer saw them in the month of January, and though their only food was the winter covering of the prairie, and they, to preserve them from the wolves, were herded every night, they, with their young lambs appeared to be in good plight, and many of them fit for the butcher. It is stated also that several English sheep growers are about establishing themselves in the interior of the country, with large flocks of some of the best breeds of sheep in Great Britain.

It is doubtful whether, for many years to come, it will be desirable for Texas to produce either wool or any articles of manufacture for exportation, but there can be no doubt that the production of supplies for home consumption of wool, hemp, and many other things, is greatly preferable to importing them from abroad. Goats would need no other attention than what is necessary to prevent their becoming wild, and, by their rapid multiplication, would furnish to the owner abundance of flesh in some degree resembling venison. The only considerable difficulty in the way of success, in rearing either sheep or goats, is, that wolves are very numerous, and without these animals are well secured they will be sure to make them their prey. This object will be fully secured by folding them every night near the house, where these prowlers never venture.

SWINE, though receiving benefit from the care and occasional feeding of their owners, can subsist in most parts of Texas upon the native products of the country throughout the year. It has frequently happened to the new settler to possess but little grain, and consequently to be able barely to supply that article to his family, his working cattle and horses being fed only upon grass. At such times surely the swine

would be likely to be neglected. Yet, neglected as they are, they grow vigorously, and in the spring evince no marks of weakness or unfitness for multiplying their numbers. The mast of the oak, the hickory, peccan and musquit trees is usually abundant in the fall and till late in the winter. The musquit grass and several other kinds are nutritious throughout this season; add to which the prairies and woodlands produce many nutritious roots of different kinds, which the hogs readily find. The native ground pea, though not peculiar to Texas, or even the southern states, is said to furnish much valuable food to hogs and many wild animals. As the habits of this plant are not generally well understood it may not be amiss to briefly notice it. It comprises several varieties, differing more in the size of the plant and form of the leaf, than in other respects. They all trail upon the ground, and have small inconspicuous and scarcely perceptible blossoms, which soon disappear. No fruit, nor even appearance of imperfect fructification, appears upon the plant. In attempting gently to raise the vines from the ground, they will be perceived to adhere to it by small roots or threads in various places, which are however easily broken, and seldom loosened from the earth. By carefully opening the ground among these fine roots, they may be raised unbroken, when it will be found that at the extremity of each, and completely imbedded in the ground, is one pod or more in which is enclosed a real well formed round pea, and perhaps sometimes several of them. In their leaf, vine, flower and fruit, they are clearly marked with the characteristics of the pea, (*pisum*) and no doubt partake among other things, of its nutritive qualities. On these, the large sand-hill crane, as it is here called, is believed to feed in winter.

Where this is abundant it is not wonderful that swine should find a comfortable subsistence. In summer, in addition to various grasses, and other vegetable food, the prairies are thickly sprinkled with several varieties of small snails, whose

white shells give to the burned prairies a speckled appearance. Upon these swine are said to feed with eagerness, as do also almost all varieties of birds. Thus, in this country, both the animal and vegetable productions conspire to render food various as well as plentiful. The rapidity with which these animals, if unrestrained, multiply, would surprise those to whom the facts had been previously unknown. Some of the statements of the settlers have been heretofore noticed. Nothing further need be added except to state, that those declarations are neither denied nor regarded with surprise by any of the residents of the country. The only check to this prolific fecundity, arises from the occasional straying away of a parent sow, whom the wolves are then apt to rob of the whole of their progeny, although they seldom prey upon any other than young pigs.

Domestic fowls of every description are raised with the greatest ease, and furnish cheap articles of food and other luxuries. Geese, ducks and turkeys are natives of the country, and range over its surface in countless numbers. Those of the domestic kinds, it is presumed, may sustain themselves, and find their own subsistence quite as well as the native tenants of the forest and the pool. The remnants of grain and other food about the barns, houses and fields, together with the native products of the ground, will amply nourish them, and offer them sufficient inducements to remain at home.

Chickens are declared to be prolific beyond any known example, continuing to furnish eggs and bring forth their broods at all seasons of the year. The earlier spring broods are said, in fall, in turn to become parents, and thus increase the tenants of the yard in something like geometrical progression.

BEES. (*Apis mellifica*). If the nurture of these animals do not in strictness belong to agriculture, yet that farmer who, in Texas, should neglect to furnish himself with both hives and swarms, would be justly chargeable with a disregard to both

comfort and advantage. These valuable and industrious insects abound in all parts of this country.

With a region unsurpassed in the number, variety and richness of its flowers, and those continuing to yield their sweets through nearly the whole year, and in a climate so mild as but partially to suspend the labors of the hive, it would be singular if bees were not found wherever they could obtain a place to deposit their stores.

It is said that a skilful bee hunter may in almost any sunny day, even in winter, trace bees to their dwellings in the forest, and consequently obtain honey for every necessary occasion. In spring and summer the prairies, throughout their broad extent, form one continued pasture of flowers. On these, myriads of bees are seen extracting the nectared moisture, and loading themselves with pollan, to convey to the parent hive and bestow upon the parent queen, or lay up for her offspring.

If on earth there can be found, what philosophers have defined habitual disinterested benevolence and practical patriotism, it may well be said to be in the faithfulness, industry and liberality of the working bee. Regardless of self, and even neglecting all means of subsistence when separated from the objects of its care, with untiring industry and persevering kindness, it feeds the parent guardian of the hive, and watches all the wants of the yet feeble and unwinged young.

In the whole circle of unreasoning nature, perhaps no animal can be found whose habits are more curious or astonishingly adapted to the objects in view, whose labors are more gratifying to men, or whose fate is more tragical than are those of the honey bee.

The usual and almost the exclusive method of obtaining the fruits of their labor is, by first destroying the lives of the unoffending and rightful proprietors, and then seizing upon their precious stores. Such cruelty has excited the compassion of many a generous bosom, and induced numbers of wise and

good men to devise methods by which the honey may be safely removed, and its owners left unharmed to resupply the stores thus rudely taken from them.

Several different modes have been adopted with more or less success. The comparative advantages of these it is not proposed to discuss. Anxiety however to preserve the lives of these valuable insects, and to promote at the same time the interest of the farmer, will furnish a sufficient apology for introducing a short notice of a method practised by several gentlemen with success.

It consists simply in a small house, raised some distance from the ground upon pillars, into which mice or other animals larger than bees cannot gain an entrance except by opening the door. The floor of this may suitably be somewhat inclined toward the door, the better to facilitate the washing or other cleansing process. The sides may consist of upright plank, which should be seasoned to prevent cracks occurring after being put in the building; and, in addition to the roof, there may well be a tight upper floor, to prevent any water from finding its way into the house, and also to prevent its becoming too warm from the sunshine upon the roof.

On three sides of this house, leaving the side where the door is vacant, there should be erected courses of shelves about one and a half or two feet wide, well supported by frequent and strong planks placed under and between them. These shelves may be twelve or eighteen inches apart, and the compartments between supporters of any convenient width, which would not leave the shelves too weak to support the full comb. At occasional intervals small holes should be made in the sides of the house for purposes of ventilation, and also for places of entrance and departure for the bees.

The whole being prepared, a hive may be taken at night into the building, and laid horizontally upon one of the shelves, near to where the bees are expected to go out and in. When this hive is full, instead of swarming and going elsewhere for

a home, the bees will commence filling the spaces between the shelves, and thus continue to extend their operations for years.

Whoever has such an establishment in operation, will scarcely need to be informed that he may enter into this house at night, gently brush away the bees from any part of their dwelling, and remove with a knife such quantities and amount of honey as he chooses. These industrious and uncomplaining sufferers will soon repair the broken walls, and supply the space with beautiful new and richly laden combs.

By this and similar methods, it is believed that honey may be secured to an increased amount, and the luxury and profit arising from all the products of the apiary be enlarged, while the lives of the little colony are spared. May the fair land of Texas ever flow with milk and honey, but let not her sons purchase these sweets by the unnecessary destruction of the lives of innocent and useful beings.

From every indication, the flowering fields, shrubs and forests, the mild and bland climate where these animals are in no danger of frost, and from the abundance of bees already here, it is presumed that in a few years Texas will furnish large amounts of honey and wax for exportation. In this respect she might, like the place where the apostle was shipwrecked, be styled Melita, the land of honey.

SILK WORMS. No experiments have been made in Texas in relation to silk, further than to plant a few hundred shoots of the *morus multicaulis*. These were planted on the island of Galveston late in April 1839. They however survived and grew to a considerable height that season. That the more valuable of the mulberry for feeding silk worms will flourish well in Texas is unquestionable.

In different parts of Alabama, Louisiana and Mississippi, where the climate is less favorable than Texas, they succeed as fully as their own native tree. Those growing upon Gal-

veston are entirely unaffected by the last winter, a part of which was uncommonly severe.

In addition to these facts, native mulberries are found growing in various parts of the republic. Among all the varieties of this tree, none it is thought are more tenacious of life, or more easily reared from cuttings or layers than the *morus multicaulis*. In climates similar to Texas few cuttings have been known not to vegetate, even when taken from the tree while the ripe fruit was seen upon the branches. Whenever the cuttings have been taken before the swelling of the buds, and placed soon after in the ground, they have usually vegetated with as much certainty as ordinary garden or field seeds.

Their growth also in the south is exceedingly luxuriant and rapid. Several specimens growing in the poor pine lands of Louisiana were shown to a clergyman, which, in the fall after the cuttings were placed in the ground, had reached the height of ten feet and some few inches. Another specimen in 1835, growing in a garden at Mobile, attained the height of twelve feet the year it was planted. In neither of these cases was the soil rich, in the latter it was a very loose sand.

In Texas where the climate is equally favorable and the soil much better, it is presumed the growth will be still more vigorous. For the cultivation of this tree the upland prairies will probably be found admirably adapted. The soil is sufficiently rich and dry to render the leaves at once large and free from the watery character that is objected to when the tree grows upon moist bottoms.

So bland is the climate, so long and favorable the season, and so rapid and continuous the growth of this tree, that it is presumed two or three crops of worms may be produced in a single year. Such it is said can be done in the south of Florida, and if that be true, the same can be done in Texas.

If this country does not within a quarter of a century become an extensively silk growing region, the only reason will

be because other branches of industry are so successful that no temptation exists to seek for new ones.

With a climate as favorable as any part of the south of Italy, a soil transcending the finest fields celebrated in the songs of the Mantuan bard, and a country whose resources are undrained, why may not the silk of Texas be equal in beauty and perfection with that which forms the purple robe of royalty.

A slight retrospect of the climate, soil and productions of this country will be sufficient to show, that its advantages over the very best parts of the north are numerous and great. There, a very large portion of the summer is consumed in rearing and securing sustenance for stock of various kinds through the winter. Here, all such labor is unnecessary and would mostly be thrown away. There, the winter precludes almost every kind of profitable farming business, being taken up in feeding stock, attending to fuel, and like engagements. Here, with the exception of those few days when storms prevent it, the fields are ploughed, fences made, grounds cleared, and, before its close, corn and other seeds are in the ground and shooting up into green blades.

Having all the fall and spring, and much of the winter for field labor, and free from all the expense of wintering stock, the Texian farmer enjoys double the time for successful exertion that the New Englander does, and is at far less expense.

Surely if men do not succeed in acquiring a competency by farming in Texas, it must be because they are either idle or improvident. With ordinary health, economy and industry, every one who is able to commence a small farm, may in a very few years be placed in circumstances of comfort if not of affluence.

FRUITS, ORCHARDS, ETC.

CHAPTER X.

Peaches.—Rapid growth of the trees.—Dried peaches an article of commerce.— Apples and pears not much cultivated.— Wild Plums.— Almonds can be grown near the coast.— Figs, oranges, etc. will succeed well.—The Nopal—its peculiarities.— The hawthorn valuable as an hedge.

BEFORE closing the notices of agricultural productions, some notice of the fruits and products of the orchard demand attention. It has been already stated that peaches flourish in every part of the country with great luxuriance. The fruit of this tree is often very large, and equal in richness to any known in the southern states. Though skill and attention might no doubt be advantageous, the trees grow well with no other care than a very imperfect protection from being browsed by cattle.

Little or no attention has been paid to grafting them, and yet it is believed few gardens of selected varieties would afford finer fruit, if we regard either size or delicacy of their flavor. So rapid is the progress of this tree from the seed to maturity, that it usually produces fruit the third year of its growth, and it is said sometimes in the second.

So easily may this tree be reared, so abundant is its fruit, and so easily is it dried in our warm summers and desiccating winds, that dried peaches will probably soon become a considerable article of commerce, and large quantities be exported. In this manner peach orchards may not only furnish

to the housekeeper rich luxuries, but large profits with little or no heavy labor.

As yet few if any instances are known of the ravages of the peach grub, whose attacks upon the roots of these trees are so much dreaded in most parts of the United States. In several places there are orchards of old trees, which have certainly stood many years, and yet bear marks of entire healthfulness, having in 1839 produced fine crops of choice fruit.

When amateurs in good fruit shall be at pains to collect scions from the best varieties, and by grafting or inoculation collect numbers of them together, Texas may boast of as great varieties and splendid qualities of this fruit as any country in the world. A number of small peach orchards are found scattered through different sections of the country, and they are rapidly multiplying. A very few years hence this excellent fruit will be as plentiful in Texas as apples in New England or in western New York.

APPLES have as yet received very little attention, and little is known from experience of the success with which this fruit may be cultivated. In the lower and level parts of the country, it is doubtful whether the trees would be healthful or the fruit mature. In some of the low grounds of Louisiana, even where the trees continued to flourish, the fruit became so affected by the hot sun as to rot on the south-western side, and, consequently, soon decayed and perished. Whether like disasters would attend apples here, can be known only by experience.

Farther from the coast among the elevated prairies, and especially the mountainous districts, little doubt exists but that apples may be reared with entire success. Here the soil is of a character suited to this tree, the land is high and the heat less intense. Probably however one object of orchards at the north would not be realized in this country. There, cider is one of the principal products of this part of

husbandry, and may be preserved in perfection several months. This is made of apples that ripen late in the season, after the weather has become cool, and the season of making it is soon followed by severe frosts. Here, these same apples would ripen in August or early in September, and hence if made into cider would rapidly pass from the vinous to the acetous fermentation, and be valuable for little else than vinegar.

Cider, if made here, would not be easily preserved in a state for drinking, and hence of little value as an article of commerce. Still so great is the benefit of this fruit in itself, so fine for eating and various culinary purposes, both in its fresh state and when dried, that an orchard of well selected apples, comprising the early and late varieties, those fitted for the table, for cooking, for drying, and for preserving through the winter, yields an amount of health, luxury and profit which it would be difficult to estimate.

Pears are said to flourish better in low southern latitudes than apples. In many respects their cultivation and habits correspond entirely with that fruit. Possessing less variety of flavor, and, perhaps, less of the saccharine quality than the apple, they have not been applied to so many nor so useful purposes. Some of the varieties however are delicate and melting in their substance, and are delightfully flavored. Like apples they have not yet been cultivated in Texas. What has been said respecting proper locations for the one, will equally apply to the other. They will probably be regarded rather as a garden crop than belonging to the orchard.

PLUMS. Except the native growth of the soil, but little of this delicate and pleasant fruit is known to exist in this country. Wild plums in great numbers and considerable variety are found in many parts of the republic, and most of these, like the wild plums of the north, are red, but it is said that yellow, white, and green ones have been found.

One variety growing on high land, and among the timber, is called by the people the post oak plum. The trees are

usually small, but the fruit is said to be good. Among so many varieties probably some must be valuable, and might improve greatly by judicious cultivation.

That native plums thus flourish in all parts of the country, is sufficient proof that all the improved and cultivated kinds may be produced here with success, and probably of the first quality. If other methods would not succeed, they might be successfully grafted upon native stocks, a method which has never been known to fail of success. So nearly allied in character are peaches and plums, that where the former flourish the latter can scarcely fail to succeed.

Apricots and nectarines are of the same family, and subject to the same laws, as peaches and plums. Nearly allied to these, especially in warm climates, are the different varieties of almonds, which would probably succeed well any where near the coast.

Sometimes in Texas as in Florida, and in the southern parts of Louisiana, Mississippi and Alabama, the hopes of the farmer from his orchard, of every kind of fruit, are cut off by a season of warm and moist weather in the autumn, which induces the trees to vegetate anew, and put forth the blossoms which nature had provided for the subsequent year. The following winter frosts of course destroy these germs, and the tree for a year remains fruitless. This, however, is not believed to occur more frequently, or be more injurious, than are late spring frosts in more northern parts of the world.

FIGS, ORANGES, ETC. Along the coast and in the more southern parts of Texas, the orange, lemon, and other tropical fruits, may be cultivated with success, and probably become a profitable part of husbandry. In the interior, and far north of the gulf, the trees are liable to occasional injury from severe frosts, which sometimes kill all the branches, and for several years prevent their fruitfulness.

Figs and prunes, and probably olives, succeed in all the central parts of the country, and may be produced in any de-

sired quantities. Of the value of the fig, it is difficult for persons not familiar with them to form an adequate estimate. From the smell and taste of the unripe fruit, it is never eaten while immature. When ripe it is perhaps one of the most nutritive, healthful and abundant of all fruits. No danger is ever apprehended from it in any respect; nor is it known that its effects were unfavorable even to the weakest stomach. In favorable circumstances the tree sometimes produces three crops in a year, though one full crop is as much as can be relied upon.

It has been suggested that the date-bearing palm might be successfully propagated. Of the correctness of this opinion, or the value of the fruit last named, nothing definite is known to the writer.

NOPAL, or Prickly Pear, (*cactus apuntia*). This plant has formerly been cultivated to a considerable extent in Mexico, upon which to feed the insect which produces the cochineal.

Its culture probably still continues in some parts of that country, but has not been introduced into Texas. Though to most persons in the United States this plant is in some measure known, some of its varieties, and its great growth in Texas, will, to numbers, be entirely new.

Wherever it is found in the United States, it either lies immediately on the ground, or rises but the width of one single joint above it, seldom if ever exceeding six or eight inches in height. Here, on the contrary, it often stands erect, sending forth frequent and large joints, spreading as they rise, till they reach a height of ten, twelve or more feet. In this form they frequently grow in thickets, said to be impenetrable by man; a fact no way difficult to believe by any one acquainted with their sharp, rough and rigid spines, and numberless fine but piercing bristles with which they are armed.

The fruit of this plant seen in Kentucky, Tennessee and other parts of the states, is small, long, of a reddish brown, nearly the colour of a ripe gooseberry, of a slightly acid taste,

but of no value. The fruit of the Texian nopal is of two kinds, one of which is pear shaped, and of a scarlet colour; the other longer, and when ripe of a yellowish white. The latter kind is in great request in the towns of Mexico, and commands a high price.

It is related in the history of the Mexican revolution, that the army of General Toledo, after being defeated by the royalists on the plains of Bexar, in the year 1813, was preserved from famine by the fruit of the nopal. It must have been abundant indeed, if it could subsist a considerable army for any length of time. It is asserted also that the fruit and young leaves of the cactus (it must be before the spines become indurated,) furnish food to immense numbers of cattle and wild horses. It is questionable however whether if it were removed, the grass and herbage succeeding it would not be of more value.

Of this singular plant there are said to be twenty-eight varieties. Most of these are cultivated in gardens, and many of them produce beautiful flowers. Only one of these will be here noticed. It was discovered growing in an open prairie, in a hard pebbly piece of ground. They were usually called by gardeners Turk's heads, from some supposed resemblance to such a head when covered with a turban. The plant was circular, of the size of a large hat crown, one or two inches in thickness, with a small cavity in the centre, apparently containing a bud or germ of a flower. From this centre to the circumference it was deeply ribbed with regular elevations and depressions. It was thickly set all over its surface with clusters of hard and sharp thorns, pointing like rays in different directions, and lying flat upon the surface of the plant. In feeling, these thorns resembled fish bones. Cutting through the plant, the substance was soft, of a pale green, differing but little from the surface. It was moist, and tasted much like a turnip taken from the ground after having been frozen. The time of doing this was in January. The results

of such an examination at another season might probably be very different.

A gentleman long resident in the country remarked, that to a thirsty traveller in summer the juice of one of those plants is abundant and exceedingly refreshing. He stated that the juice of the Turk's head in a sultry day, gave much more relief to thirst than the best water, and that the pleasant effects of it generally lasted a considerable time. In dry and sandy regions, where springs and streams of water are of infrequent occurrence, in the latter part of summer and autumn, this plant must furnish to the traveller or huntsman a desirable production.

Some persons, from the peculiar luxuriance and height of the nopal in these regions, have supposed that it might be advantageously used for hedges. As however when cultivated for feeding the cochineal insect, it endures not more than twelve years, it is doubtful whether its durability would be sufficient to render it profitable, if in other respects it met the desires of the farmer. This doubt deserves the more regard, from the fact, that there are several native trees which possess most of the requisites desirable in materials for living fences.

One of these is a variety of the hawthorn, found growing abundantly wherever its growth is not prevented by the burning of the grass. It differs but little from the white thorn of the northern states, grows to about the same size, is equally hardy, and doubtless quite as durable and tenacious of life. It is however less spinous, though this may be owing to its being found only in dense thickets, where the young branches are more tender and pliant.

Of the value and durability of a hedge of this tree there is no doubt. Probably its seed, like that of the other varieties, would need to be scalded in order to induce them to vegetate.

The musquit tree also, which has been previously mentioned is evidently well adapted for the same purpose. The

only doubt entertained of the value of this tree for hedges, seems to be, whether it would not require too much time for it to arrive at sufficient size and strength to resist the progress of animals. It is certainly sufficiently hardy, durable and rigid for every purpose, and when a hedge is once complete would probably be as durable as any other whatever.

In very many places among the prairies are found plats of live oak shrubbery growing together, as thick as any hedge need to do. These are believed to grow from the roots of a common stock, many of which have lasted perhaps for centuries. The tops being killed by the burning grass, new shoots sprung up from the ground all around the dead stem. These being again destroyed, like clusters multiplied around each of the former shoots, and, by thus continually spreading, they have come to cover considerable areas of ground. Several cart loads of considerably large roots have sometimes been collected from clearing away one of these patches, and used for fuel.

These shrubs, or the young trees raised from seed, it is thought would form excellent hedges, which would last as long as would the native live oaks, whose age no one has ever ventured to calculate. The only objection conceivable against the latter variety of hedge, is that this tree naturally grows to a large size, and its roots extend themselves to a great distance through the soil, and would hence for many yards from the hedge exhaust the productive power of the land, and lessen the product of crops.

With such abundant materials for living and durable fences, the people certainly need not tremble lest they should not be able to protect their green fields and ripening harvests from either domestic cattle, or the devastations of wild animals. Such fences in their results will be cheaper, and far more safe from injury by cattle or winds, than any others that can be made. It is hence highly desirable, that the comparative

value of each of the above articles should as early as practicable be carefully tested by experiment.

Will not some of the intelligent and wealthy planters of the Brazos or the Colorado, at an early day, commence a series of experiments on a subject of such vital interest to the country?

NATIVE TREES, PLANTS, ETC.

CHAPTER XI.

The peccan tree—its large growth and abundant fruit.—Osage orange—its peculiarities.—Cherry laurel, or wild peach.—Prickly ash.—Wild China tree.—Spanish persimmon.—Cayenne pepper.—Great variety of wild beans.—Vanilla—its value and peculiarities.—Sage.—Wild rye.—Musquit grass.—Gama grass.—Native clover.—Valuable medicinal plants.—Mimosa or sensitive plant.—Great profusion of flowers, etc.

THE account we can give of these must necessarily be imperfect, because we have not only not visited every part of the country, and our visit embraced merely the winter season, but because such information as could be obtained from books and other sources within our reach, is evidently imperfect as well as frequently inaccurate. One instance out of many like it may illustrate how much inaccuracy often exists in the works of writers, whose usual habits of observation and enquiry might lead us to expect better things.

Two writers professedly giving accounts of the history and productions of Texas, represent the native cane as an annual plant which grows up and perishes within the year. One of these has the following sentence: "The sight of a large tract covered with so rank a growth of an annual plant, which rises to such a height, decays and is renewed every twelve month, affords a striking impression of the fertility of the soil." The other, speaking of the cane, remarks, "These reeds are very slender, and grow to the height of about twenty-five feet in a

single season, being renewed every twelvemonth." Both these writers have resided in Texas, and been familiar with other southern portions of America, and how they could ever have conceived that the wild cane of the canebrakes was an annual plant is difficult to imagine. That its natural history is but imperfectly understood, at least by most of even the intelligent portion of community, is very certain. But that the reeds continue to live and grow several years in succession is matter of every day's observation; and that at long intervals, extending to a period of many years, it produces blossoms (in the form of glumes, like the blossom of oats) and a grain-like seed, is attested by all the older inhabitants of Mississippi and Louisiana.

Like most jointed plants of the grass and grain kinds, the whole thickets of cane died and commenced a rapid decay as soon as the ripened seed had fallen to the ground.* Sensible of the difficulties growing out of these circumstances, the utmost care will be used to give the best information to be procured, and as far as possible to avoid erroneous statements.

FOREST TREES, SHRUBS, &c. Many of these have been already named, and the peculiarities of some of them in part described. Most of the others are common to this country and many parts of the United States, and hence need little description. Among the larger forest trees may be enumerated the live oak, white oak, burr oak, red oak, jack oak or black jack, water oak—a beautiful shade tree, post oak, ash, elm, hickory, black walnut, peccan, cotton wood, hackberry, cypress, yellow or short leafed pine, sycamore or button wood, wild cherry, box elder, a variety of the maple, bois d'arc or

* A full and correct description of this interesting plant, including its progress, maturity, fructification, affinities and reproduction, would be highly gratifying to the curious and a desideratum to the public.

osage orange, magnolia, two varieties, linden* or bass wood, the locust,* musquit, hemlock or spruce pine,* persimmon† or American date cedar, and several others. In one catalogue of forest trees, the beech, chesnut, white walnut or butternut, and crab apple, are enumerated. Some of the most intelligent and very early settlers of the country however stated, that they had not seen them. In some parts of the country, these trees are not found, in others particular kinds are rare, but within the limits of the republic all or most of them grow to a large size, and for some purposes are valuable.

Among all the varieties of nut trees the peccan, a variety, and probably the most choice variety, of the hickory, is one of the largest and most productive. Its trunk is frequently nearly three feet in diameter, its branches numerous and spreading, and its fruit abundant. Several large trees have been known to produce twenty to thirty bushels in a season, which, whether gathered for sale or use, or allowed to remain on the ground for swine, is highly valuable. The opinion is frequently expressed that they are for fattening hogs quite as good as corn. The timber of young peccan trees is here regarded as the most suitable material for axe handles, and such other purposes as require both hardness and freedom from liability to break when bent.

The timber of the burr oak is used for various purposes, especially where pliancy and toughness in the green state are required, such as hoops for the more delicate cooper's work, and the like.

The black walnut grows to a great size, and is in some

* Those trees thus marked have not been found in Texas by the writer, but are named in the writings of others.

† This tree in favorable situations, grows to a great height and becomes quite large, the female, for it is diœcious, producing immense quantities of fruit. The timber is firm, solid, not easily split, and highly valuable for many purposes of building machinery.

parts of the country abundant. The timber is firm, fine grained and admits of a good polish, and is hence highly prized for furniture. In the interior of Texas a large portion of the parlor furniture will probably be made from this tree. Its timber is equally valuable also for all purposes where durability, as in posts and fences, is required.

The Bois d'Arc, or Osage orange, is found in several parts of Texas, and in the adjoining parts of Louisiana and Arkansas. In most places its growth is low and branching, but in others tall and straight, presenting a long shaft of valuable timber. Of this tree little has been known till within a few years, and even now the full character and worth of the tree is understood by very few. The following is all that could be learned from inquiry. The fruit in shape and appearance resembles an orange but is much larger, the seeds are distributed in the same manner, the leaves and wood also resemble the corresponding parts of the orange tree. Of its blossom no clear delineation could be obtained. The following, copied from the Texas Telegraph, is from the pen of the Hon. Francis Moore of Houston.

"The Bois d'Arc trees attain a remarkable size, and are often found four feet in diameter and eighty feet in height. The timber of this tree is considered very valuable on account of its durability and great solidity. Its fruit resembles the orange but is much larger, being often four or five inches in diameter. Horses, hogs and horned cattle are very fond of it, and find in the forests of Bois d'Arc an inexhaustible supply of substantial food during the autumnal months."

The smaller trees and shrubs are very numerous; to be complete, a catalogue of them must be very extensive. Of most of them which have come under our observation, or of which we have definite information, we shall barely give the names by which they are here known, only mentioning the characteristics of such of them as appear to be important or

singular. The following list comprises most of those which are well known.

The cherry laurel or wild peach, evidently a variety of the cluster cherry, though a beautiful evergreen; the wild china tree, resembling in its fruit and flowers the beautiful shade tree from which it takes its name; sassafras, willow, chinquapin or dwarf chesnut, black haw, nearly resembling in some respects the dogwood; the water dogwood (*cornus florida aquatica*), sumach, willow, common elder (*sambucus nigra*), poison elder, red bud, shrub oak, witch hazel, holly, prickly ash or toothache tree, very different from the prickly ash of the northern states; wild plum, bayberry or wax myrtle, yawpan or tea tree, moosewood, fever bush or spicewood, sweet fern raspberry, whortleberry, bush cranberry, Indian arrow, red haw, mulberry, blackberry, caoutchouc or India rubber tree, pawpaw or custard apple, Spanish persimmon, wild privet, gum or pepperage, wild rose, green briars, and a variety of it sometimes called china briar; trumpet flower, cross vine or tea vine, yellow jessamine, horse chesnut, standard and dwarf kinds, the latter with beautiful scarlet flowers; elbow (*globus occidentalis*), and many others.

The cherry laurel, or wild peach, is found solely in rich bottoms, and is regarded as a sure indication of a most exuberant soil. Its name of peach is altogether inappropriate, having no other likeness to it than every other cherry has. Like the leaves and kernel of the peach and wild cherry the leaf and fruit partake largely of prussic acid, from which they derive their peculiar flavor. Its blossoms are disposed in a cluster, like those of the common black cherry, and the ripe fruit is a small drupe with a black skin, thin green pulp and large pit, the latter being scarcely distinguishable from other cherry stones. When cultivated as an ornamental tree, it forms a beautiful top, and continues through the year of a brilliant and glossy green color. Some persons admiring the ever fresh verdure and beauty of it, have not inappropriately

named it gloria mundi. The fruit of this tree is thought by some to be valuable food for swine, but it is doubtful whether a free meal would not be injurious or deadly to them from the effects of the prussic acid. The leaves and twigs of it have been known to poison cows which had eaten of them too freely.

The prickly ash (*Xanthoxylum*), is peculiar to regions south of Tennessee and North Carolina. It does not seem to belong to the fraxinus order at all, but bears a cluster of berries in a large panicle, which in some degree resemble in appearance elder berries. The young twigs are armed with short but sharp spurs of thorns, like some varieties of the rose bush. As the branch or stem increases in size these disappear, but that part of the bark upon which they rested protrudes outward in numerous dull-pointed projections, causing the surface to appear as if thickly studded with large warts. The inner bark of this tree when chewed, produces in the mouth and fauces a sensation of sharp coolness quickly followed by pungent excitement, in some degree painful and inducing an inordinate salivary discharge. It requires sometime to remove the effect produced upon the mouth, and little benefit seems to be derived from washing it with water or other substances. It is said that chewing this bark frequently relieves the toothache, (probably only while the irritation of the mouth lasts), and hence it derives its name.

The wild china tree is probably peculiar to Texas, or Texas and Mexico. At least no such tree has been noticed, it is believed, in any part of the United States. Growing in the woods, its stem is larger and less straight than the shade tree of that name. The bark wears quite a different aspect, but the berries in winter exactly resemble those of the common tree. It is declared that the leaves and flowers differ little if any from those of that brilliant and gorgeous ornament of southern yards. Whether it will be found valuable or not is yet unknown.

Of the Spanish persimmon, though declared to be an excellent and highly saccharine fruit, but little clear information could be obtained. It seems understood that the tree producing it is not large, with leaves more resembling elm leaves than those of the ordinary persimmon. The fruit is black, or a very dark purplish blue, about the size of ordinary persimmons, but much sweeter. The seeds, and their arrangement in the fruit, correspond with those of the more common variety. To what class or family of trees these should be referred, is left for the future investigation of observers of nature. Much might be said of the qualities and uses of many other of the shrubs and vines above enumerated, but enough has been told to prove the abundance, beauty and usefulness of many of the trees, shrubs and climbing vines of Texas.

Should any one suppose that all that is surprising and curious in this part of Texian productions is included in this notice, he may well be informed that scarce a beginning has been made even in the names of the branchy trunks that compose the forest. To appreciate in any adequate degree the abundance and variety of the native shrubbery and woodland of this country, it is necessary to visit it in April and May, when nearly every plant, however modest, lifts its head and claims a share of countenance from the sun, the common source of light and beauty. Then every lowly bush and towering tree puts on a garment of loveliness, and unites with myriads of others to send forth a fragrance of mingled sweets to regale and refresh the senses of the delighted spectators.

Of the plants, flowers, &c. of this country our limited information enables us to furnish but a very meagre account. From neither books, papers or individuals, have we ascertained any thing like even a list of the more common and widely diffused plants. It is hoped that some of the enterprising and scientific physicians of the country will soon commence herbaria, and in due time furnish to the public, and especially their own profession, a full and well arranged flora of the whole region.

Among the plants ought perhaps to be mentioned the wild cane, of which however sufficient notice has been already taken.

Here also, growing natively in all parts of the country, is the cayenne pepper, called by the Mexicans *Chili*. Several varieties are described, differing perhaps only in the degree of their strength. Some of them produce large red pods, others small tapering ones like those usually found bottled in vinegar, others small round ones, little if any larger than buckshot, and some the small yellow pod, believed to be the same variety with the most active kind imported from Africa.

Among the Mexicans, and very many of the settlers from the United States, this plant furnishes a favorite sauce to use with all kinds of meats, and large portions of it are used in various kinds of cookery. It forms in many cities, both at the north and south, a very popular condiment, and the amount consumed is annually increasing. However great may hereafter be the demand for this article, the Texians can easily meet it with full supplies, and those of the very best quality. Tobacco is also indigenous to the country, but no reason it is believed can be assigned for wishing it to become an article of commerce in this or in any other country.

Of all the luxuries in which men indulge, the use of tobacco is the most artificial and unnatural. It contributes nothing towards the support of animal life, its use is an uncleanly and disgusting habit, and one to which men have no natural dispositions, nor can they acquire it without repeated efforts and persevering exertions. In learning to use tobacco the individual, with much expense, labor and some suffering, learns a habit which is utterly useless, troublesome and expensive to himself, and frequently painful and disagreeable to his friends. It was well said by a distinguished physician of Kentucky, that "the tobacco chewer is an unclean animal." Without objecting to it as criminal, we may dissuade from it as foolish and unseemly,

A great variety of wild beans and peas are found in different parts of this country, some of which are distinguished for the beauty of their flowers, and others for the uses to which they may be applied. One of these, the *Erythrina herbacea*, has a perennial root which throws up from one to six, eight or ten shoots, according to its strength. In some cases these shoots or stalks arise to the height of six feet or more, some of them adorned with numerous glossy and beautiful leaves throughout their length; the rest have but one or two leaves each, above which, encircling the stalk, are seen frequent rings of deep scarlet or rather crimson flowers. When these have performed their office they are succeeded by fruit pods or siliquæ, bearing a strong resemblance to the pods of the cranberry bean. When ripe the little beans are of a bright scarlet color and highly beautiful. This plant is frequently cultivated for ornament, and has been named near Natchez the "Pride of Mississippi."

That variety of the bean called in gardens the *clematis* or virgin bower, so much admired for its fine clusters of blue flowers, is quite common along the streams and bottom lands of Texas. The flowers of these wild vines however exhibit some variety of coloring, some being more deeply and beautifully tinged than the others.

Another plant of the bean kind found native in Texas is the vanilla, regarded in Europe and America one of the choicest perfumes found in the shops of the confectioner. The fact that it is indigenous in the country, sufficiently proves that it may be successfully cultivated, and its high price warrants the conclusion that the culture would amply repay the attention bestowed upon it. The following description we copy from a late writer.

"VANILLA. This curious and very rare vine is about the size of a quill, the stem green, glossy and smooth, the leaves project by pairs from joints eight or ten inches apart. They

are large and thick as sheathing paper, succulent and brittle and shaped like pear leaves.

“The vanilla is propagated by planting, or by inserting it into the bark of some soft wood tree, always where it is shady and humid. It soon attaches itself to the surrounding branches, and in three years will overtop the highest trees, suspending from its extremity the fruit, which consists of pods resembling the common kidney bean. These pods can only be obtained by felling the tree which could not be climbed, or by an instrument attached to a long pole.

“To prepare it as an article of commerce, the greatest attention is required in curing and packing the vanilla. Each pod must be separately bound round with thread, but slightly, that it may not warp and open. During the process of drying, if not perfectly ripe, it changes its color from green to brown or nearly black, and exudes on handling it, an oil balsamic, and almost insupportably fragrant. The greatest care must be taken to prevent the loss of this odour, for if it does not discharge sufficiently of its balm it will sour and corrupt, and if its emanations are too copious, its virtue is diminished. The art of curing therefore lies in avoiding excess either way; and when dry it must be packed so that it may arrive at a foreign market in proper order. To secure this point it is carefully wrapped up in leaves with honey, to keep a certain degree of moisture, in bundles of fifty, and put up in wooden boxes. Tin and sealed would be better.

“The pod of the vanilla contains thousands of small black seeds of the brilliancy of jet.

“This delicious plant is highly esteemed in medicine—as a perfume—and in various culinary arts. Its rich qualities may be preserved in spirits of wine, which extracts its resinous substance. It is in this form that the luxurious in Mexico, Madrid, Paris and London, adapt it to a variety of uses; as, for instance, with chocolate, ices, jellies, and various sauces

and confectionary. That which is perfect frequently commands double its weight of silver, in some of the European cities and those of Africa. Its price is from three to ten dollars per pound, but not one of a hundred pounds ever arrives in its pure quality."

Native sage of two kinds is found in various places, equal in all important qualities to the garden plant in the States, and which may be easily cultivated. Wild indigo has been already noticed. It is regarded as equal if not superior to the plant usually cultivated. In many places wild peas of different kinds grow in great abundance. During the autumn the vines and fruit furnish to cattle and horses abundant and most nutritious pasturage, nearly if not quite equal to an unharvested corn field. To those acquainted with this article these statements will require no confirmation.

In many of the bottom lands along the rivers, the ground bears a beautiful winter carpet of brilliant green composed of the wild rye. It appears to be a native variety of that grain. Its berry is not large, but the form of the stalk and head all mark it as being a real *secale cereale*. It is peculiarly valuable as a winter pasture, shooting up about the early part of November and retaining its freshness till after the spring grasses have become abundant. As a pasture it is sweet and nutritious, and cattle or horses thrive upon it during the severest parts of the season. Whether it might not be well to sow it for milch cows or horses is worthy of consideration and experiment, especially as the increasing numbers of cattle seem likely soon to entirely consume it.

In connection with the above, it seems appropriate to speak of the musquit grass, so called perhaps from the musquit tree, of which it seems to be a sure concomitant. Although this has been previously mentioned, its valuable qualities will apologise for some further remarks. In answer to a suggestion of the propriety of sowing it in fields, a farmer remarked, that

for this there was no necessity, so readily does it spontaneously clothe the ground once cultivated that the only difficulty is to prevent its injuring the other crops. This circumstance, added to its vigorous growth, and retaining its verdure and nutritive qualities during the winter, clearly indicate its great value for pasturage. A wealthy and highly intelligent planter of Tennessee, lately on a visit to Texas, was so convinced of the excellence of this grass, that he took measures to procure the seed to sow upon his own plantation near the city of Nashville.

The gama grass also is an interesting production indigenous in Texas. In the southern parts of the country, between the Guadalupe and the San Jacinto, it frequently occurs in great abundance. Perhaps no variety of all the family of grasses grows more luxuriously, or produces a greater amount of pasture in a given space than this. It has been known within four hours after being mown, to throw out shoots the eighth of an inch long. It is evidently a rich and agreeable pasture for horses and all ruminating animals. They eat it with greediness, and where it is plenty fatten freely upon it. It is declared that it retains its freshness and sweetness throughout the winter season, and that in regions where it grows no want is felt by any domestic cattle of succulent food. Thus the interior is favored with the ever verdant and rich musquit, and the coast with the no less durable and nourishing pasture of gama grass. If there be one section of North America more adapted than others to successful exertion in rearing stock, for driving or for beef, that favored spot would seem to be found in this more than Arcadia, for here our flocks need not the constant attendance of the herdsman.

Two varieties of native clover have been discovered in Texas. Being natives of both the climate and soil little doubt can exist that they would improve by cultivation. Of their peculiarities or value no special account seems to have been

taken. Future naturalists may investigate their peculiarities, but it belongs to the husbandman to test their value to his cattle.

The following, among numberless others, form a small part of the root plants valued either for their medicinal or other qualities: spikenard, elecampane, angelica, sarsaparilla, ginseng, liquorice, May apple or mandrake (*podophyllum peltatum*), several varieties of the convolvulus, including the panduratus or man-root; it is believed that the convolvulus jalapa, producing the jalap, may be grown here without difficulty or expense, snake root, blood-root, (*sanguinaria canadensis*) wild parsnip, (*conium maculatum*) several varieties of wild onions or garlicks, white and black hellebore, and arrow-root, with numerous others.

The singular and beautiful plant, from its apparently imitating animal actions, called the mimosa or sensitive plant, grows spontaneously in many places, and even covering acres of ground with its beautiful and delicate verdure and flowers. To one unacquainted with its properties, it would seem exceedingly strange, while passing over a plat of thick grown herbage of this kind, to see it all apparently wilted, as if it had been severed from its roots by the scythe; nor less probably would such an individual be surprised, if pausing for a few moments, the leaves should again expand before him, and display to his view all their original and native beauties.

So easily is the effect of closing their leaves produced, that for some time before the tread of the observer, the plants seem to perceive his approach, and, with all the delicacy of oriental ladies, veil their faces from his view. The petioles or footstalks of the leaves have numerous leaflets on each side, which, upon being touched, or even slightly agitated, rise upward, and meeting at the top, hide their upper surface from the view, and expose the paler color of their undersides, which gives them the appearance of being wilted.

The flowers of the Texian mimosa are of a delicate pink color, much larger and more beautiful than those of the garden plant at the north. The gentle acclivities from the banks of rivers or brooks, are the favorite positions of this peculiar and delicate vegetable.

Several attempts have been made to account philosophically for the sensitiveness of this plant, and for retracting its foliage in apparent anticipation of the approach of intruders. The more general impression seems to be, that the reason for its delicate sensibility is yet not fully understood, and that from the connection of its roots or stems the effect of a footfall reaches many of them at some distance from where it touches the ground. Such discussions however are left to the curious, who will no doubt find in this plant objects of pleasing investigation.

Flowering and other plants of the prairies and woodlands are literally innumerable. At any time from March to November, almost the whole country exhibits all the brilliancy, variety, delicacy and fragrance of a carefully cultivated flower garden. In April and May it has been said the prairies constitute "a paradise" of flowers.

If such allusions are chargeable with hyperbole, and perhaps savor of irreverence, truth will fully justify the allegation that the whole length and breadth of these savannahs are one continued wilderness of flowers, beauty and fragrant odors. While enjoying the loveliness, and inhaling the delightful and exhilarating atmosphere laden with the perfumes of millions of flowers, the heart may be allowed innocently to indulge its tendency to rhapsody, and pour out its emotions in the language of poetry and imagination.

Indeed, description to be true, must lay aside her staid and measured words, and discourse in the language of impassioned feeling and glowing eloquence. Nay, to convey to the mind of the mere reader an adequate conception of the richness, extent,

beauty and touching loveliness of these plains in the vernal season, would require a language unknown to earth, and fitted to express the risings of more than mortal joy. Here the philanthropist and christian, viewing on every side the works and beneficence of his Creator, and touched with a sense of the munificence of Heaven to himself, must feel his heart dilate with benevolence, and his soul ready to burst forth into songs of grateful praise.

A very few only of the immense varieties that deck and adorn this flower garden of nature, can here be even enumerated. Among that few are all the varieties denominated, from the starlike radiations of their petals, stellaria, besprinkle the landscape with their yellow, blue and purple flowers. The anemone of different hues, white, purple and scarlet, lifts its little head to the breeze even in January, regardless of the northern blasts that may in a few hours bear on its wings the frosts that shall dim their fair colors for ever.

The dahlia, proudest of all the gaudy tenants of the autumnal garden, so much admired and so extensively cultivated, is declared to be indigenous in Texas. If so, it is probably the only place north of the equator where it is so.*

Geraniums in great numbers and variety, annual and perennial, are found diffused through large portions of the country. Some of these are said to be delightfully odorous, while others are exceedingly beautiful. A single branch, from a root from which several shoots were growing, was found in full blossom by the writer in the latter part of January, 1840. The flowers were of a deep scarlet or light crimson, arranged together so as to form a rounded umbel of great beauty and elegance. Whether these or the plant possessed any odor the observer did not ascertain. Probably these flowers may continue to appear in succession for a considerable part of the year.

* Some doubt has been expressed whether the plant supposed to be the dahlia, both in Texas and other southern regions, does not belong to a different genus of plants, the *Reedbeckia*.

Lilies of various sizes and different colors adorn the prairies, bottoms and woodlands of Texas. Some of these are exceedingly small, and are found in blossom among the earliest of the flowers of spring; others appear at different times, most of them white, though some are yellow, purple and variegated. By lily is not here understood any of the numerous varieties of the Iris family. They also are found in many places in Texas, some of which might properly be added to the number of those which adorn the gardens of the wealthy.

The lobelia inflata and cardinalis is found plentifully in various places. The lignonia or trumpet flower, with scarlet blossoms and an evergreen variety, with flowers of a bright color combining the yellow and scarlet. Both elegant climbers, especially the latter, whose bright foliage in winter wears the appearance of the most exuberant freshness and verdure.

The passion flower, which is so much and so justly admired in the northern states and in all Europe, is a plant of frequent occurrence in Texas. Different varieties are believed to grow in various situations. One very small and delicate species has not been cultivated. Like the larger variety it is an annual vine springing from a perennial root. The leaves are small and rounded, the vine slender, and the flowers not larger when fully expanded than a five cent piece. The flower resembles the common variety exactly except in size and color, the latter being less deeply tinged than those of their more gorgeous fellows. Whether all the five or six species of this beautiful production of America, to which country it is peculiar, are natives of the republic, has not been determined.

Digitalis of different kinds, wild holly hocks, believed to be a large flower of the family columnifera, wild pinks, sarracenia or side-saddle flower, pond lilies, cypripedium or lady's slipper, ground apple, and violets of numerous kinds.

The above is merely a specimen of what detailed in full would fill a considerable volume. It is however sufficient to

show that the florist may here luxuriate freely and long in unnumbered varieties of flowers and plants, without fear of early exhausting the materials of botanic inquiry and research. In the vernal season and in much of the summer, the prairies appear to be covered with a gorgeous carpet of green, embroidered throughout with innumerable clusters and waving plumes of flowers, too exquisitely beautiful and variegated ever to be mistaken for the production of any other being than the Deity.

GEOLOGY, MINERALS, ETC.

CHAPTER XII.

Petrified shells found on the elevated prairies. — Animal remains discovered imbedded in the earth. — Most of the rocks composed of limestone. — Iron abounds in rocks and in oxide. — Coal in inexhaustible quantities. — Lead ore. — Copper mines discovered. — Silver mines once worked in Texas — Gold found. — Marble. — Singular mass of metal. — Petrified wood. — Salt. — Copperas — Alum. — Sulphur springs, etc.

THIS department of an account of Texas, so far as it relates to the formation and generic character of the country is simple, and would require but little time or room, if the curiosity of philosophers were our only object. As however it is intended rather to be useful to the common reader, and those who may wish to emigrate to this country, we shall not be specially careful to frame our work to the taste of professors and learned amateurs in the science of geology or mineralogy. To the practical farmer and mechanic, who is about to change his position and find a new place of residence, it is hoped that these sheets will convey useful information.

As will naturally be inferred by every reader who has turned over the previous pages, very much of the surface of Texas is alluvial, and composed of such materials as have either been brought down from the highlands by the water courses, or driven on shore by the waves of that inland sea the Gulf of Mexico. From the latter source is perhaps derived a consi-

derable portion of the deeper parts of the soil of the maritime district, except near the mouths of rivers and considerable streams. Even where the lower strata may be composed of submarine materials, the upper portions appear evidently to consist of earths and other deposits derived from different sources. A considerable amount of tenacious and firm earth is found upon the surface even near the gulf, and hence could not be the effect of the waves, which would cast up little else but sand and still lighter substances. Inland also an unusually large proportion of the country is made up of the alluvial bottoms of the rivers and smaller streams.

Of this part of the geology it will not be necessary to say much, as all its uses for agriculture are well understood. In this region, whether on the bottoms or uplands, stone, either pebbles or larger kinds, are seldom if ever found, the soil being composed in the bottoms of rich black mould, into which decomposed vegetable matter largely enters, and the uplands of various materials, embracing, quite often, oyster, muscle and other sea shells, partially decomposed, forming a rich loam admirably fitted for agricultural purposes.

Before reaching the undulating region, there are found resting upon the even surface of the prairie, eminences or mounds, the ascent of which however is gradual and wave-like, composed it would seem mostly of shells of oysters, and other fish and marine substances, indicating very clearly that this part of the country had once been covered by the waters of the ocean; when the animals whose remains form these conical hills, by long-continued accumulations, raised these piles, whose existence now testifies the former submersion of the land. From these elevations, not ever exceeding one hundred feet in height, it is said the whole country for thirty miles in extent becomes visible. This will at least prove the remarkably level and even surface of this part of the country.

Advancing from the coast among the undulating prairies,

frequent appearances indicate that here the waves of ocean once rolled, and here the monsters of the deep sported amidst the foaming brine. Wherever a slight rain causes a rivulet to flow an hour along a descending plane in the road, the departing stream leaves behind it, upon the black mould, a slight deposit of bright white beach sand. Here and there even among the hills near the mountains are found numerous sea shells completely petrified, among them oyster shells of a species which might perhaps be designated as the *curvi rostra*. All the sides of the hills near the city of Austin, seem half covered with smooth rounded pebbles, exactly resembling such as are found upon the beach of the sea and shores of large rivers. Their surfaces being apparently smoothed and rounded by attrition, produced by the action of the waves. A very large part of the mass of the stony hills of pine and stunted oaks below Bastrop, are evidently composed of the same kind of pebbles.

The embedding of large animal remains deep in the earth near the latter place, may still further sustain the same conclusion. Such facts can scarce be accounted for, but upon the supposition, that the waters of the Atlantic once laved the feet of the eastern spurs of the Rocky mountains.

If then the superficial portions of the level and undulating regions of this republic, are composed of deposits, either from the ocean, or like deposits from the waters descending from the mountains, and bringing with them the decomposed materials of their structure, it would seem that they belong rather to the tertiary than secondary formations. Whatever may be the opinions of men in relation to these portions of the country, it seems well understood, that the bases of the interior of the country, and the whole of the mountain region, belong to the secondary formation.

In no part of the republic are found either the rough and unsightly hills and mountains of precipitous granite rock, which give character to the broken surface of much of New

England, and the more mountainous parts of Virginia, as well as the rocky and ragged coast of Norway, and the snow-clad tops of the Andes. Compared with the mountains of primary regions, our highest elevations are gentle hills, and their acclivities but gradual ascents. All the rocks found in our hills and mountains are limestone or other secondary rocks, all of which upon decomposition mingle readily with earth, and form a fine soft and rich food for plants. The triturated remains of primary rocks, on the contrary, retain their hardness and seem to communicate sterility by their intermixture.

Hence fact and theory show, that lands where granite and other primitive rocks abound are generally poor, and comparatively so even in the valleys, while in secondary regions, even on the hills, and mingled with the stones, the soil is rich and usually covered with a verdant coat of herbage, while all the arable land, whether high or low is abundantly fertile. The same fertility and adaptation to agriculture and pasturage, equally applies to tertiary as to secondary regions. In view of such facts, in connection with the deep mass of fat soil which everywhere abounds in Texas, the intelligent observer will be at no loss to account for the peculiar fruitfulness and exuberance of most of this highly favored land.

In various sections of the undulating country, the most casual observer cannot fail to discover, that even in that region the mineralogist would find abundant subjects of interest and investigation. All the sandy elevations for some miles along the road leading from San Felipe to Austin, seemed to consist in a considerable degree of oxide of iron and small grains or nodules of iron ore. Among the more elevated lands along the Colorado, south of Bastrop, the appearances of iron in rocks and in oxide are frequent and striking. Little doubt can be entertained that in that region iron will eventually be made with profit.

Here, as in most other parts of the world, the Dispenser of blessings has exhibited His wisdom and beneficence, by a

liberal and wide-spread distribution of this most valuable of metals. Except in the level region along the coast, perhaps nearly every county in Texas possesses more or less of iron ore. In Gonzales and some other counties it is abundant, of excellent quality, and easy of access. A gentleman skilled in the manufacture of this metal, lately visited the localities in Gonzales county, and expressed much delight in relation to the facilities for working the ore. It is expected that he will soon erect extended works for the purpose.

In another mineral, equally important to almost every individual and desirable for numerous uses, this country is equally favored. Mineral coal of excellent quality and inexhaustible quantities, is found in many places along the Trinity and Colorado rivers. From a comparison of the local positions of these mines, and the direction of their beds, they may probably be found to be parts of the same great mine extending quite through the republic, and offering their rich stores of fuel to the husbandman, the artist, the manufacturer and merchant, and to produce steam for every purpose to which that powerful agent is applied. Especially will this article be desirable in the making and working of iron. Is it accident, or is it the kind dispensation of Providence, that furnishes those two most essential of minerals in abundance, and places them within the reach of almost the whole human race? Among the mountains and highlands on the Colorado above Austin, it is believed that coal is abundant. If so, it can be easily and cheaply floated to Austin and its vicinity in flat boats or keels. Most of this coal is said to be bituminous, and to be of various qualities, some resembling the Pittsburgh variety, and others very like that usually brought from Liverpool. That this is bituminous, or that large bodies of such coal exists on or near the rivers of Texas, seems to be implied from the fact that large quantities of bitumen or mineral tar, not known to be produced from any thing but coal, are frequently found floating on the Gulf near to or on the coast. If mineral coal of the

bituminous kind, be not in the country, the existence of this bitumen can scarcely be explained. But this difficulty disappears upon discovering large mines of coal, because bitumen petroleum or coal tar, is seen frequently floating upon the surface of all the streams flowing from the coal region in Western Pennsylvania.

A mining company has been lately incorporated by Congress for working the coal mines on the Trinity river. The importance of this procedure will be appreciated by every citizen near the coast, and especially the citizens of Galveston.

Lead ore equal in quality to that of Galena, has been lately discovered. Its localities and probable amount have not been published. That some parts of the hilly country abound with it, seems the more probable from the fact that the waters issuing from some hills of evidently mineral formation, have been found to be very injurious and dangerous to those who tasted them. The oxide of few minerals is more poisonous than that of lead. Travellers and others will do well to be cautious how they indulge their appetites to allay even strong thirst, when they know the water to be tinctured by unknown minerals.

Copper, nearly pure, has also been discovered near the head waters of the Brazos. The mine has not been explored, much less has the region been examined in relation to the probable success with which it might be sought.

It is well known that under the government of Spain, silver mines were wrought near the San Saba, a branch of the Colorado, in the then province of Texas. The miners were however cut off and murdered by the Indians, and the works ceased. Since that time the Mexican Revolution and the Texian war of Independence have fully occupied public attention, and the place of these mines is now not probably known in the whole republic. Much confidence is expressed by many, that in that region silver is abundant. On what evidence that opinion is founded is not understood. That all the

mountainous region is rich in mineral wealth admits of no dispute.

Near the head waters of the San Saba, and extending some distance in different directions, is a range of country abounding in siliceous or quartz pebbles. Probably the land is more or less hilly and uneven. In such a region the water is pure and runs with a rapid current over a pebbly bottom. This is by some believed to be a gold region. Specimens of pure gold found among the sand in this part of the country have been shewn, and some people are anxious to attempt improving their fortunes by seeking for this precious metal among the pebbles and sand. So slight is our information, that we venture not an opinion in relation to the prospect of success in such an enterprise. We think however that by a judicious application of the plough, hoe, &c., more gold may be dug among the prairies and bottoms, than will be gathered from the distant hills and sands of the forest.

Indeed we can at present scarcely wish success to the exertions of any who may seek wealth from mines of the precious metals. So certain and uniform are the rewards of industry in all kinds of agriculture, and so important to the country are the products of husbandry, that whatever takes one man from the plantation seems to weaken the right arm of the nation, and lessen the amount of its available strength.

In parts of the undulating country, especially near the falls of the Trinity, Brazos and Colorado, limestone of a very pure and compact character is found in large quantities. The lime obtained from burning this stone, is said to be equal in strength and delicate whiteness to the very best used in the United States. Some specimens of the limestone taken from the neighborhood of the falls of the Colorado, were shewn to the writer, and to several scientific gentlemen, the last winter at Austin. The fracture exhibited a very beautiful variegation of color, arranged in waving lines, so as to wear rather the appearance of an artificial painting than a natural production.

In solidity, closeness of grain, and fineness of texture, judged of however only by inspecting the rough specimen, it appeared to be equal to most varieties of choice marble. It was the general opinion that it was capable of a very fine polish, and that for all purposes for which such kinds of marble are desirable, it would be both useful and elegant. The same kind of rock is believed to be abundant in the neighborhood.

Farther north, among the more elevated hills and mountains, inexhaustible quantities of limestone are found in numberless places. The qualities of this mineral thus profusely distributed, are probably various but have not been investigated. It is no improbable conjecture, that among these hills may be found also the water limestone and gypsum (plaster of paris), as they are frequently found in near juxtaposition with large deposits of common limestone.

A large isolated mass of white metal, slightly oxidated, but bright and shining, has been described as lying near the head waters of the Brazos. It is said to be malleable, and some persons have supposed it to be platinum. By those who tried specimens of it, it was declared to be pure native iron. The mass is large, being estimated to weigh several tons. What it is, yet remains somewhat doubtful. Whatever may be found to be its name, it cannot be denied to be a great curiosity, well deserving the attention of chemists and mineralogists. Without pretending to do more than suggest a conjecture, we may perhaps be allowed to ask, may not this singular metallic phenomenon be massive nickel?

Of this metal we find the following description in the American Encyclopædia. "Its color is between that of silver and tin; and when polished its lustre is equal to that of platinum. It is malleable, and can be forged into bars when hot, and hammered into plates when cold. It is capable of being drawn into very fine wire. It is less fusible than iron. It is attractable by the magnet nearly in the same degree as iron, and becomes itself a magnet by touching, hammering, &c.

As nickel does not rust, it has a very great superiority over steel in the construction of a compass." This description seems exactly to apply in every respect to the metal above named, and in no particular is any thing found to show that the mass of bright metal on the Brazos and the nickel of the books are not identical.

Several specimens of petrified wood are shewn by individuals, which are curious and interesting. Some of these are carbonate of lime, and others appear to be composed almost exclusively of silex (flint). Among the prairies of the rolling or undulating region, the latter variety frequently occurs, especially near the Brazos. Several of these were evidently live oak, the characteristics of that tree being yet distinctly visible. By percussion upon steel they yield abundant sparks, and may be advantageously used for procuring fire by surveyers or others, who may not be provided with matches. Will not such facts fully prove, if proof were wanting, that silex may exist in solution in water, and hence be deposited either by uniting with decaying wood and other substances, or in masses by itself?

Salt, as existing in streams, lakes, and on the island of Padre, has been already mentioned. So diffused and so abundant is this indispensable mineral, that in many parts of the country, besides the sea coast, cattle are entirely indifferent to it when offered by their owners. Though no large masses of pure crystallized salt have been discovered, it is found in springs, creeks and lakes; crystallized by solar evaporation in the latter, and in an extended range along the coast of Padre island above mentioned. In the latter place it is accessible by water, and may be thus transported cheaply to all parts of the country.

Many other minerals, such as copperas, alum and the like, have been discovered, but not, it is believed, in such quantities as to awaken much public attention.

Imperfect as this sketch necessarily is, it shows that few

countries of equal extent are more favored in variety and abundance of mineral treasures.

Sulphur and various other mineral springs are found in all the upper regions of the country. One sulphur spring rises near the city of Austin, which it is thought will soon be regarded as an object of importance for health and luxury. Of the number, qualities and flavor of these waters, however, our information does not enable us to speak with accuracy, and hence we pass them by.

Z O O L O G Y .

CHAPTER XIII.

The bison, improperly called the buffalo.—Deer.—Wild goats.—Peccary, or Mexican hog.—Wild hogs.—Bears.—Racoons.—Fox and grey squirrels.—Jaguars.—Leopards.—Wolves.—Foxes, etc.

THIS department of our work is copious in materials, and needs only patient investigation and faithful description to render the field at once interesting and useful. Here as in other things the circle of our information is limited, and even within it there is reason to fear that the reader will find our delineations somewhat imperfect. Without books of reference, the aid of men skilled in this branch of science, and even without catalogues of the animals of the country, it would be singular if we should not pass over some things, and perhaps err in others. All that that we can promise here is, to endeavor to make our account as full and useful as the means within our reach will admit.

Much the largest portion of the facts here stated are the results of our own observation, or the information of persons of respectability and intelligence, whose statements embraced only what they had themselves witnessed. For the sake of order and perspicuity the animals of Texas are classed under several heads.

QUADRUPEDS. Of the domestic animals of this class it is not necessary here to speak, as they have received sufficient notice in the article upon agriculture. As the largest, and perhaps the most valuable of all wild animals of the country, the bison, commonly, but improperly called the buffalo, naturally first claims our attention. This animal has with much propriety been styled by naturalists *bos Americanus*, the American ox. With the exception of his long woolly hair, drooping horns, and peculiar hump or projection upon the shoulders, he seems to differ in no essential particular from the domestic ox. They are by some declared to cross, without difficulty, with the common cow, and that the young are not like mules incapable of farther increase.

The beef of these animals, though by some regarded as coarse, when fat is tender and well flavored. When salted and boiled it is regarded as very fine tasting, much like beef's tongue. The hump is said to be specially fine, and to taste like marrow. A particular description of the form, size and habits of this animal is deemed unnecessary, as his natural history is detailed, not only in works of science, but in periodicals and school books.

Large herds of these wild oxen migrate annually from the mountains and plains of the north and west of Texas, to the prairies along the Colorado and other rivers of interior Texas, especially where the musquit grass is found. Here is, or rather was, their winter pasture, and here, in former years, the Camanche Indians followed them to feed upon their flesh, and dress their skins for coverings to their tents, clothes for their persons, and for articles of trade with the whites. To these Indians, it is believed these animals are the sources of almost their entire subsistence. Without them, these wandering tribes, with no homes, grain, cattle or property, would scarce be able to procure food or clothing. Deer and other small animals would furnish but small and precarious supplies, and the times of scarcity would soon require them to eat up the

last of their few horses. Such a state of things would to a Camanche, the Arab of the prairies, be not merely fearful but appalling.

Sensible of these facts, General Burleson, early in the winter of 1839—40, made an incursion into the country of these savages, drove them from their hunting grounds, and then turned vast numbers of the bisons from that region to the vicinity of Austin. Between twenty and thirty thousand of these were believed to feed upon the prairies near Brushy creek, one of the tributaries of the Brazos. Owing probably to this circumstance, several Camanche chiefs soon after came to the city of Bexar, gave themselves up to the whites asking for peace. Numerous however as they seem, it is probable that in a few years scarce a solitary wanderer from the herd will be to be found in Texas. Before the white man's rifle they seem to fly with instinctive dread, or melt away like the snows of spring and disappear.

DEER. But one species of this beautiful tenant of the prairies, seems to be found in Texas. Though it might naturally be expected that the elk, with his lofty head and proud horns, would find in these regions a home suited to his taste, from no one could any knowledge of his being in this country be learned. Of the black-tailed or long-eared deer, it is only said they are found about the rocky mountains. Whether they ever visit these plains is at least doubtful. The common deer, which to an American is too well known to need description, is found in all parts of the country, and in numbers fitted to astonish the visiter from other countries. His favorite haunt seems to be on the broad prairies, where the view in every direction is unobstructed, and no enemy can approach unseen.

The level region, extending from the coast some thirty or forty miles into the interior, seems to be the part of the country to which the deer are most partial. Though plenty everywhere, here they are seen in more frequent and numerous companies. Their sense of vision from some circumstances

would seem to be limited to objects at no considerable distance, though the correctness of the data on which this opinion rests is sometimes doubted. Their power of hearing and smelling is certainly acute, and often preserves them from falling victims to the rifle of the huntsman.

It would in most instances be in vain to attempt to approach a sleeping buck, while the wind blew from the hunter towards his game. The slightest crepitation of dry grass breaking beneath the foot, or the faintest odor of human breath or of powder, is sufficient to arouse the sleeper from his lair, and send him bounding over the prairie with a speed which bids defiance to pursuit. Though they are beset by many enemies, and when quite young are destroyed in immense numbers by wolves, and though they are often made to furnish the tables of the settlers with their flesh, their numbers do not seem to be sensibly diminished. In the vicinity of dense settlements, and immediately around the towns, they are less frequent, but elsewhere they are seen in little clusters scattered over all the prairies.

WILD GOATS. In the vicinity of the mountains are at times seen large flocks of a small but exceedingly wild and fleet animal, supposed to be goats. By some they are thought to be antelopes. They differ however from the latter animal in the form of their horns which are angular and recurvated. They are supposed to have their home in the mountains, from which however they descend in winter and feed for the time upon the more plentiful and nutritious herbage of the prairies. From description they would appear to be less than the ordinary goat, more slender and elegant in their frame, and far more fleet in escaping from danger.

Their flesh is said to be fine and well flavored, but that it is difficult to approach within shooting distance of the flocks, in which they on the plains are always found. It is asserted also that in the mountains the real wild sheep are sometimes seen; but of their peculiar appearance and character no satis-

factory information could be obtained. That such animals inhabit the higher and more remote portions of the Rocky mountains, is established upon the testimony of competent witnesses ; that they may occasionally visit the mountains of Texas would not seem at all incredible.

If these are the real originals from which domestic sheep have descended, the effects of domestication have been wonderful indeed. In their native hills, their fine light frames are well adapted for climbing rocks and swiftness of flight. Unencumbered by a fleece, and conscious of danger, the mountain sheep seldom permits the fleetest of his enemies to overtake him in the chase. The domestic sheep on the contrary, laden with his heavy garments, and unused to danger, seems unfitted for either resistance or flight, and when pursued by wolves, seldom flees many yards before he stops as if he was already beyond the reach of danger.

It has already been shown that wild horses, or as they are called by the Mexicans, mustangs, exist in considerable numbers among the prairies. They are descendants from European sires, but have become fully established as tenants of the prairies, from which they will not be driven till the busy hand of the husbandman, encroaching upon every side, shall render his possessions too limited ; when they will emigrate still farther, or submit to masters and become slaves. The latter has been the lot of thousands, and many more are annually subjected to the same ignoble state. Ignoble, indeed, when they are regarded as far beneath their fellows who never tasted freedom, and are doomed to greater drudgery with less food and attention.

In company with the herds of wild horses, are sometimes found wild jacks, jennies and mules, originating, like the horses, from Spanish stocks ; they still accompany the horse as did their sires in a domestic state.

PECCARY, OR MEXICAN HOG. Persons acquainted with this animal state that it differs from a hog in but very few particu-

lars. One of these is the gland on his back resembling a navel, mentioned below. Another is that his feet are destitute of the two hinder toes or small hoofs, sometimes called dew claws. The following description of him extracted from the *Encyclopædia Americana*, is nearly correct :

“Peccary (*dicotyles*.) The peccaries bear a strong resemblance to the hog, but are sufficiently dissimilar to justify their separation as a distinct genus. The most striking difference between them and every other species of quadruped, is the existence of a large gland under the skin on the middle of the loins. This gland secretes a fluid of a very offensive smell. In their habits however they are closely allied to the hog: their gait is the same; they root up the earth in a similar manner, and express their feelings by the same disagreeable grunt. They are equally susceptible of domestication; but from the fetid smell emitted by the gland on their back, they never have been tamed to any extent. Their flesh is also much inferior to pork in flavor. They are peculiar to South America, living in the extensive forests of that country, in hollows of trees or in burrows made by other animals.”

The above extract is erroneous in representing these animals as peculiar to South America. They are frequently found in the bottoms of all the rivers of Texas, where the timber is large and the place densely wooded. There are other reasons, than the offensive smell of these creatures, for their not being often domesticated. A gentleman, residing a few miles from Austin, found some young peccaries near his residence, and reared two of them to maturity. They were as tame and fond of being near the house as his swine; but exhibited no dispositions to intimacy with them. While yet young they would frequently destroy whole litters of pigs, and when old and strong enough for the contest, frequently killed large hogs. Their destructive propensities finally compelled their master to kill them.

They are active and strong, run with considerable speed,

and are armed with tusks of great length, which they use in fighting with powerful effect. Though they are less in size than the common hog, it is believed that no dog can conquer one of them. Should one be wounded and induced to squeal like a wounded hog, as many of the peccaries as are within hearing rush to his aid; and it behooves man or beast speedily to escape by flight or climbing a tree. With their long tusks they inflict severe and often deadly wounds. It is asserted that no beast of prey ventures to attack a full grown peccary.

When a hunter approaches their burrow, one of the inmates is found standing at the entrance guarding it from aggression. From this position he cannot be driven by fright or even wounds. When he is shot down another immediately supplies his place, and with equal courage maintains his post. When he falls another comes, and so they continue to do till all except the very young ones, are dead. Feeding like swine mostly upon grass, nuts and fruits, they are not usually apt to attack other animals, except when near their burrows or in defence of themselves. When they attack they are dangerous foes.

Wild hogs, descendants of the domestic swine, are said to be found occasionally in the woods. They are not very numerous, and from the depredations of wolves and other animals of prey upon their young, will not probably become so.

BEARS, RACCOONS, ETC. The American black bear is the only species of this animal known to be found in Texas. Great numbers of them are said to have ranged, not barely the woodlands but prairies of this country, before they became thinned by the settlers. They are still numerous and may not unfrequently be met with far from the forest, either feeding upon the prairie or passing from one forest to another. One very large one, about a year since, was discovered by several horsemen upon a large prairie. They pursued her though none of them had guns. At length she stopped and

exhibited a disposition to assail her pursuers, when one of them shot her through the head with his pocket pistol.

They, at the approach of winter, seek for a convenient and warm hollow in a tree, where they retire in cold weather, but from which they make frequent excursions in pleasant days at all seasons of the year. They seldom if ever can be said to hybernate. Raccoons are also very numerous, and sometimes troublesome in devouring the unripe corn of the planter. Like the bear in habits and character, except its diminutive size, it usually inhabits the same regions and feeds upon the same kinds of food. Both are too well known to need a particular description.

Fox and grey squirrels are sometimes seen in great numbers among the timbered lands of Texas. At present it is believed that very few can be found in any part of the country. This may in part be owing to their migratory habits, and in part to other causes. In February 1839 a storm of rain occurred, when the weather was so cold that the falling drops froze and adhered to whatever they touched. The trees were covered with a thick coat of ice, so heavy as to break off a large proportion of the branches of most of the forest trees, and the ground was covered for two or three days with snow and ice. In this season very many squirrels and other wild animals are believed to have perished.

Animals of the cat family are numerous, and consist of several varieties. Some of them are large, fierce and dangerous, but happily are but seldom seen. Those of the smaller kinds are more numerous, but from their size and want of strength, incapable of much serious mischief. Of the varieties of this family in America, the Jaguar or American Tiger is clearly the largest and most powerful. Some few of these have been seen in Texas, and hence are named among its animals. The following description given in the *Encyclopædia Americana* will furnish a just view of this prince of American cats:

“Jaguar, *felis onca*. The jaguar holds the same rank among the animals of the new continent as the tiger among those of the old. On the whole upper parts of its body, it is of a bright yellowish fawn color, which passes on the throat, belly and inside of the legs into a pure white. On this ground the head, limbs and under surface are covered with full black spots of various sizes, and the rest of the body with annular patches, either with a black point in the centre, or formed of small black spots arranged in a circular form. This animal is found in the swampy forests of South America, especially in the neighborhoods of large rivers, which he swims with great ease.

Of his power of swimming, as well as of his extraordinary strength, the following circumstance related by D’Azara will give some idea. A jaguar, after having attacked and destroyed a horse, carried his victim to the bank of a broad and rapid river, about sixty paces distant, over which he swam with his prey, and then dragged it into the adjoining wood.

Possessed of such tremendous powers, this animal is the dread of the inhabitants of the countries he infests. It is seldom however that he attacks the human race, though he will not shun man when he meets him. His favorite prey appears to be the larger quadrupeds, such as oxen, horses, sheep and dogs, which he attacks indiscriminately, and in the same treacherous manner as the rest of his tribe, uniformly singling out the last of a herd, as the object of attack. When he has made choice of a victim, he springs on its back, and placing one of his paws upon the back of its head, whilst he seizes its muzzle with the other, twists its head round with a sudden jerk, thus dislocating its spine and instantly depriving it of life.”

A professional gentleman of the city of Houston, having been at Brazoria on business, was returning homeward on horseback. While riding leisurely through a piece of heavily timbered land, his eye was suddenly directed to an object by

the road side. Nearly opposite to him upon a low and large branch of a tree, or on the gently inclined trunk of one, for on this subject his observation was not very minute, sat a large jaguar, crouching downward with his head nearly upon a level with his feet, apparently in the act to spring upon him. At the strong touch of the spur the horse sprung forward with a bound, and the tiger at the same instant with a powerful leap dashed towards him. The extended paw of the beast was seen passing through the air but fell short of its object, and the tiger alighted just behind the horse, which needed no more spurring to use his utmost speed. Whether the disappointed savage made any pursuit does not appear. The horseman rode at full speed several miles and saw the foe no more. He however retained a vivid impression of the appearance of the beast, and lost some portion of the confidence he had before indulged in his own heroism. At least he seems no way anxious to acquire laurels by contending hand to hand with a jaguar.

The leopard also (*felis leopardus*) is a native of this region; though, like the jaguar, very few of them have been seen in the country. This animal from description differs in no respect from animals of the same name in Africa and Asia. Of similar formidable size and power, he is equally decorated with his numerous and beautifully disposed spots and coloring. As the character and peculiarities of this savage, but elegantly formed and marked creature, is well known in every country, we forbear a minute description of it.

The Hon. B. T. Archer, now secretary of war for the republic of Texas, assured the writer, that he had seen the skins of two of these animals, both of which must have been very large. The latter at the time he saw it had just been stripped from the yet warm carcase of the beast, which lay before him. After the skin had been sometime taken off, at the suggestion of a bystander the body was weighed, and found to be of between three hundred and fifty

and four hundred pounds weight. In coloring and beauty of its spots, that skin was by far the most elegant of any thing of the kind he had ever witnessed. He was anxious to purchase it, but the owner declined parting with it at any price. This occurred on the Chocolate Bayou in the year 1831.

Panthers, or, as they are called by naturalists, pumas, are occasionally found in this country. They seem however to attract but comparatively little attention, and their name seems to excite no terror. So plentiful is wild game, and so few are the inducements to prey upon the possessions of man, that little is heard of their depredations. They are, however, wherever found, a powerful, dastardly and dangerous acquaintance. No instances have been related to us of their having ever dared to molest any of the human family in this country. As the republic becomes filled with settlers, and the forests disappear before the axe of the white man, these animals will probably soon abandon the territory. A detailed description of animals so well known is deemed unnecessary.

Belonging to the same great family, but much smaller, the ocelot, here usually called the leopard cat, is another native of Texas. Like the leopard, clothed in a splendid garment of many colors, its elegant exterior contrasts strangely with its cruel and blood-thirsty dispositions. Though, from its small size and want of strength, it preys only on small animals, it, equally with its larger fellows, delights in blood and the wanton destruction of its prey, even when not excited to it by hunger. Except in its size, this beautiful little animal seems to differ very little from the leopard, equally beautiful, active, ferocious, and incapable of gratitude, its elegance of structure and clothing only more strikingly contrasts with its savage propensities. It is now becoming scarce, and the skins are in demand nearly as much for their rareness as for their beauty.

The wild cat, which is also frequent and well known in the United States, is considerably numerous in Texas.

Some of them are large, and prove a dangerous species of game to dogs, whom they often beat off and seriously wound. They are not regarded with dread by man, but are rather considered a favorite species of game, the killing of which excites no compassion.

Pole cats are sometimes, though rarely, found. These are the principal varieties of cats, and some of these it is hoped will not long continue to infest the country.

Wolves of two varieties are quite numerous. The larger kind vary in color from a light gray to a dull black. In no respect do they differ from the same kind of animals in more northern regions, except it be in their ferocity. Here no severe winters and deep snows deprive them of the power to obtain game in every prairie and forest, and hence they are never impelled by severe famine to unite in droves to attack travellers or the houses of settlers. Their companies are seldom numerous, and they always keep at a very respectful distance from the place where they hear the bark of the watch dog. They prey mostly upon small animals, including deer, sheep, pigs, rabbits, and the like, and feed greedily upon the carcasses of horses and cattle that have died from disease or accident. The prairie wolf is a much smaller animal, almost always of a dark brown color, approaching to black. In all their habits as well as form, they are very nearly similar to the larger kind. Less dreaded by the settlers, they seem to be less cautious of approaching the farm yard, but never venture to invade the domains guarded by the settler's dog, though their varied, and to strangers fearful cries, salute the ears of sleepers in the country at all hours of the night. Where no guardian of the hours of rest, like the faithful dog, keeps them off, sometimes they venture near to houses and even towns in search of food, as is evinced by the following circumstance.

On a cold morning in winter, while the seat of government was at Houston, a countryman drove in just before day with

the flesh of a beef he had killed for market, and stopped his waggon and horse under a tree near the market house. Suffering from the cold, he went to the house of an acquaintance to procure fire with which, as was customary, to make a fire of logs in the open air. While he was absent for this purpose the wolves came, robbed his waggon of the beef, and dragged it away into the forest. He procured assistance, and pursued the thieves by their trail, along which they found fragments of flesh at frequent intervals, showing that the rapidity of their flight did not prevent the prowlers from eating as they ran. The pursuit was however vain, and the countryman, with plenty of customers, butchered in this instance with no other profit than the instruction that robbers are not to be trusted.

Foxes also, though but one variety has been named, are said to be numerous. That they are found here is evident, but the fact of their being very numerous seems somewhat doubtful, from the circumstance that they are seldom mentioned, and equally so from the rapid and unchecked multiplication of domestic fowls. But like other animals of their tribe, they are very cowardly, seldom risking their safety by a near approach to the dwellings of man.

To these must be added opossums, rabbits of two species, field rats, supposed to be natives, moles, and a kind of rat or mole resembling the former, but burrowing in the earth like the latter. Several other small quadrupeds also inhabit the forests and prairies, of whose names and natural history we have no distinct information.

B I R D S .

CHAPTER XIV.

Eagles.—Prairie hawks.—Fish hawks.—Owls.—Buzzards, or vultures.—Swans.—Cranes.—Geese.—Ducks.—Turkeys.—Red birds.—Woodpeckers.—Starlings.—Prairie hens.—Quails.—Pheasants.—Orioles.—Turtle doves.—Larks.—Birds of Paradise.—Mocking birds.—Paroquets, etc.—FISHES.—Red fish.—Sheepshead.—Trout.—Perch.—Mullet.—Drumfish.—Crabs.—Oysters.—Clams.—Muscles, etc.

THE ornithology of Texas furnishes an extended list of the feathered tribe, though it is doubtful whether more than one or two of them are peculiar to the country. Several of them are however uncommon in different portions of the United States, and are subjects consequently of curiosity to many emigrants and visitors to this region.

As usual we place first in order the eagle, (*falco*) tribe, as by some strange taste they have been regarded as the noblest of the feathered race. It is conceded that like many celebrated heroes, they are treated by the other tenants of the air with that deference which their talents for destruction produces, which in most cases is the sole basis of their fame. Of these birds the following varieties have been distinctly noticed.

The bald eagle, (*falco leucocephalus*) though the specimens noticed by the writer appeared to be much smaller than similar birds he had been accustomed to see on the banks of the Ontario and Erie, and the Mexican eagle, still smaller. The

most curious to the writer of all these, is the prairie hawk, equal in size to the largest hawks in the United States, of a light brown color above, and a grey approaching to white on the breast. He seems to dwell exclusively on the prairies, over which and near the ground he floats with the apparent ease and lightness of a swallow, sometimes leisurely rising to a gentle elevation, and again descending with a motion resembling the swell and depression of a gentle wave of a lake. While thus seeming to sail in sport and joy, with eagle eye he watches for the low perch of a sparrow or lark, or for the nestling place of a field mouse or frog. If his game be discovered, his whole demeanor is at once changed. Instead of the easy and gentle movement before observed, he darts with the swiftness and aim of an arrow, and quick must be the spring, and rapid the flight, that can elude the grasp of his talons. If the pounce be successful, he bears his prize to some convenient hillock, or smooth plat of the prairie, and there alighting soon dévours it. If, however, his prey be able to avoid his clutch, and one or two succeeding attempts, he abandons the pursuit, and resumes his apparently careless and undulating swing along the even surface of the plain.

All the varieties of hawks and owls common in the United States, including the small one known as the sparrow or pigeon hawk, are found in all parts of the country. Along the coast the fish hawk is occasionally, but not frequently, seen suspended over a bay or the mouth of a river, almost without motion, or any change of position, gazing with intense scrutiny into the water below. Should he distinguish clearly the object of his searching gaze, with wings and body so arranged as in front to resemble the edge of a board, he descends with the velocity of thought, accompanied by a noise produced by the rapid division of the atmosphere, which may be heard many yards into the water, from which he soon brings up, not in his beak, but talons, his finny prize. Even the trout, the most nimble and wary of the tenants of the

stream, which can seldom be struck by the fisherman's spear, can rarely escape the fish hawk's plunge.

Buzzards or vultures, of two kinds, every where abound ; crows, ravens, blackbirds, jays, red birds, some with tufts upon their heads, and others of a smaller kind without them ; starlings, the red-winged and others ; prairie hens, nearly resembling pheasants ; quails, here frequently called partridges, pheasants, rice birds, pigeons, turtle doves, ortalans, robins, snipes, plovers, larks, which, even in winter, from the branches of a tree, or from some little hillock on a prairie, full oft regale the traveller with their brief but sweet notes ; blue birds and mocking birds, well deserving, by the sweetness of their notes, and still more by their night song, the title of the American nightingale, are found in immense numbers ; various kinds of woodpeckers, from the large woodcock (*picus principalis*) to the little chickadee, with its head tufted with black ; sparrows, wrens and swallows, of every description, some of which even in mid winter are seen sporting over the prairies ; orioles or hang birds, with their bright plumage, paroquets and whippoorwill, give variety to the list of birds ; cranes of many varieties, such as are called by the popular names of sand hill, whooping, white, blue and tufted ; swans, pelicans, king-fishers, water turkeys, gulls, etc., partaking more or less of the aquatic character, are numerous beyond calculation.

Wild geese are at times in winter and early spring, seen feeding upon the young grass of the prairies in immense numbers. Wild turkeys are also very numerous, and the traveller when stopping at a solitary log house, far from any appearance like refined luxury, may likely be surprised and gratified to find his meal to consist of a delicate wild turkey, or goose, and well prepared venison. Brant, a smaller variety of the goose, ducks of many kinds, including canvass backs, and many other water fowl, frequent all the shores and streams of the country.

Several gentlemen mentioned to the writer another but

somewhat rare bird, which they supposed to be a variety of the bird of paradise. It is about the size of a jay, but somewhat longer, with beautiful proportions; its colors are elegantly variegated with yellow, blue and purple, of very delicate character, and passing into each other by imperceptible and glossy shades; its tail is long, and its song exceedingly fine. This description, however, is made from seeing the bird on its perch in a wild state, and hence not scientifically accurate. The peculiar long tail feathers of this bird, apparently exactly like those of the bird of paradise, induced the opinion that it belongs to that species.

It is presumed that the above enumeration omits very many of the birds that are found here, but it is probably sufficient for all the purposes of a volume like this, which is intended rather to furnish information of practical utility to emigrants, than of curious knowledge to the learned.

F I S H E S .

The bays along the coast and the rivers of Texas, are well supplied with fish of various kinds, some of which are regarded as excellent and valuable for the table. Redfish bar, near the centre of Galveston bay, received its name from the abundance of that kind of fish which are found near it. They are very numerous in all the bays and mouths of the rivers, are fine flavored and delicate, and often weigh forty or fifty pounds. Catfish of three varieties, are said to be taken in the streams in great numbers. Many of them grow to a large size, the largest weighing from sixty to ninety pounds. The very large are however less delicate and less esteemed.

The following are the names here applied to several varieties of fish very commonly taken, viz. buffalo, sheephead, trout, a sea-fish but of the salmon species, pike, mullet, perch, flounders, drum-fish, suckers, croakers, and other fish common in the southern parts of the United States. There are two

kinds of fish here called gar, or bill-fish. They grow to a considerable size, and have a long narrow mouth, in some degree resembling the beak of a bird, which is armed with strong pointed and sharp teeth. The larger of these is called the alligator gar; it is armed with scales, and in appearance is so similar to the alligator as when first seen to be often mistaken for one. Both of these are utterly worthless for food. The only use to which they have been profitably put, was to nail the skin of one upon the mould board of a plough to turn over the furrow, in which place it will last several months. Eels are plenty in fresh waters, and are by some relished as a rich delicacy. It is asserted also that among the head waters of the San Antonio, the spring water trout (*salmo fontinalis*) are common. These are very rare west of the Alleghany mountains, and it is believed have not elsewhere been discovered.

The crustaceous fishes, such as the crab, craw-fish, shrimp, and stingaree, which latter appears to be merely a variety of the horsefoot, having like it a hard pointed member of some inches protruding from it. This is by some denominated a sting, and a wound from it is regarded as dangerous, if not fatal. Shell fish, such as oysters, clams, muscles, various kinds of small sea snails, star-fish, sun-fish, and numerous small bivalve kinds are found along the coast.

In the sand adjacent to the city of Galveston, it is asserted that clams of large size and excellent quality have been collected. The whole coast, wherever the mouth of a stream forms a suitable soil for their reception, oysters are found in great abundance. Indeed they are one of the cheapest articles of food sold in the markets of the coast. It is contended by some that in flavor the oysters of this region are less highly flavored than those of the northern Atlantic cities, while others affirm that they are fully equal, if not superior, to them.

*Non nobis * * * * * componere lites.*

R E P T I L E S.

CHAPTER XV.

Alligators—simple method of destroying them.—Land tortoises.—Sea tortoises—valuable for food.—Rattle snakes—remedies to cure their bite.—Black snakes and bull snakes, etc. not venomous.—INSECTS. Large spider.—Centipede,—Scorpion.—Musquito.—Red bug.—Horse-fly.—Ants.—Sand fly, etc.

UNDER this general term are included a great variety of animals of very different habits and character. As however this is as convenient an arrangement as any other, we shall endeavor to notice as fully as necessary the animals of this class known to exist in Texas.

The largest and most dreaded of all animals of this class, either in Texas or elsewhere, is the alligator, or American crocodile. They evidently belong to the Saurian family, of whose immense size and power no other evidence remains than a few fossil skeletons. And these, from the situation and state in which they are found, must have lived long anterior to the existence of the human race. In almost every river and creek or bayou, these animals find a home and a place in which to seek their prey. In the water, a full grown alligator of fifteen or twenty feet long, would be a dangerous acquaintance to a swimmer, whether man or beast. Here they move with ease and celerity, and few land animals could

long elude his pursuit. Even fishes are believed to become his frequent food, and it is understood that tortoises and other sluggish moving animals are his ordinary repast. Out of the water he is probably no less voracious and greedy of flesh, but here his movements are slow, awkward and unwieldy. In a straight course, after a short time, he can move with tolerable activity, but cannot turn round without making a considerable circuit, and taking up some time. At such times they may easily be destroyed.

A gentleman, while passing through his plantation, found an alligator of a large size, apparently passing from a pond towards a neighboring stream. At the approach of the man he raised his head and hissed loudly like a goose. With a heavy hand-spike the gentleman struck him just where the head unites with the body, and dislocated the spine.

They grow to a great size, and are often quite destructive to dogs, hogs, deer, and even calves, which go into the water to relieve themselves from heat, and some of them to escape the persecution of flies and other insects. They are covered with a shield of strong and closely fitted scales, which, on many parts of their body, is impenetrable by a rifle ball. It is thought however that their numbers are rapidly diminishing. They may be readily extirpated from many of their haunts by a very simple process, which was found to be an effectual experiment, by Col. R. of Florida.

Finding several ponds upon his plantation infested by alligators, and that they seemed likely to destroy all his swine, he commenced watching for and shooting them. Though he thus killed large numbers, no sensible diminution of them or their depredations was observed. He then went to a neighboring blacksmith, and ordered several hooks of large size, in the form of fish hooks, to be made with a chain a foot and a half long attached. To these chains he tied ropes for his fish lines. Baiting each of his hooks with a bird, squirrel, or other flesh, he placed it on a piece of bark, shoved it out from

the shore, and tied his ropes to trees. Shortly after all was still, a large alligator showed himself above the water, and smelling the bait immediately swallowed one of the hooks. Feeling the point of the hook in his flesh, with instinctive quickness he sought the bottom of the water, when he soon drowned, and was drawn ashore dead. In two days the pond was cleared, and rendered a safe retreat for domestic animals from the heat of the sun. The like course soon removed all difficulties of this sort from the plantation, and needed not to be renewed till the end of two years.

As in the extensive swamps and lagoons of Florida, they are secure from pursuit and do multiply in great numbers, it is probable that they can much more easily be extirpated in Texas than in that country. Several other varieties of the lizard, all of them small and harmless, are found in all parts of the country; especially that beautiful and sprightly little one the chameleon, is very common and much admired. To this same class should be referred another curious and lively little animal, usually called the horned frog. That they are not frogs is clear from their never leaping, but running quite rapidly, and from their having, like other lizards, a tail. They are of a light grey color, seem covered over with small projections from their skin, and two small projections or horns upon the front part of his head. From the latter circumstance they derive their name.

Tortoises of various kinds are found in this country. The small spotted land tortoise, with a hinge in its under shell, would probably be very numerous on the prairies but for the frequent burnings of the grass, which are too hot for it to survive, and too rapid in their progress for it to escape. The empty shells and little skeletons are often found.

The gopher, or mungofa, a large land tortoise, which burrows in the earth like a ground hog, is also not uncommon.

Numerous fresh water tortoises, of different kinds, inhabit

the rivers and bayous. All or nearly all of them are believed to be excellent food.

But the largest and most valuable of all this tribe of animals is the sea or soft-shelled tortoise, which are abundant in and about Aransaso bay. They are very numerous, grow to a large size, and may be conveyed alive to any required distance. It is unnecessary to say, that their flesh is a great luxury, especially when prepared in that most savory form, turtle soup. Such a dish, fit for London aldermen, may be cheap and ordinary food in the south and west of Texas.

Few countries as recently settled by white men are as free from serpents as this. This fact may be attributed in part perhaps to the power of the fire that burns the prairies, and destroys all that cannot fly from its approach; and in part to the fact that the structure of the country affords them few hiding places. Still there are several varieties of serpents in Texas, some of which are venomous, and whose bite, if not healed by appropriate remedies, would be often fatal.

The rattle snake, if not the most venomous and dangerous of any of the serpent race, is believed to be more so than any other in America. The hooded snake of Asia may possess a more full poison, whose quick action is seldom cured; but his residence is limited to the eastern world. Rattle snakes are sometimes found here of great size, and possess fangs proportioned to their growth, some of them not less than half an inch long. Horses and cattle are sometimes bitten by them and killed. When the bite takes place in the presence of the owner, the life of the animal may in most cases be saved. To men, but for the use of remedies, many of which are efficacious, their bite would perhaps be uniformly deadly; by their timely application, however, all danger, and nearly all inconvenience, is prevented.

As some remedies are not always within reach, and as a physician in such cases would frequently be too distant to af-

ford relief, perhaps the naming of some remedies would not be improper. One of these communicated by a physician, and based upon his own experience, is very simple and probably very efficacious. To the freshly bitten surface he applied a bright coal, on the end of a burning hickory stick, and kept it there long enough to produce a deep blister. This was performed about sunset upon a soldier's leg. The next day the man marched and did duty as usual. By thus, with a small coal or hot iron changing the character of the wound, all danger may be at once removed. If immediately on being bitten the wound be scarified with a lancet or penknife, and any alkali rubbed into it, it will probably be at once relieved. It would be well withal to drink freely of weak lye, or other alkaline drinks, and take a free cathartic.

The bruized leaves of a plant growing plentifully in the pine woods, called the rattle snake's master, is said to be effectual in preventing the effects of the poison. Probably also magnesia, or other absorbing material, would be likely to be a successful application.

Rattle snake's seldom bite unless provoked, and usually give warning of their purpose by a rapid movement of their tail, which induces their rattles to hum with a noise somewhat resembling the buzzing of a nest of disturbed humble bees. They do however sometimes become assailants, and bite before making their threatening rattle. There is also another and much smaller species of this snake, commonly called the ground rattle snake. The last are seldom more than a foot long, of a yellowish color, and equally venomous as the larger ones. The remedies for both and all other serpent's poison is the same.

The land and water moccasin, coach-whip, and copper-head snakes are believed to be the only other venomous kinds, besides the rattle snake.* Their bite is little if any less dan-

* Though the authority upon which the above statements are made is res-

gerous than that of their more dreaded neighbor, but they can more readily escape, and wounds from them are less frequent.

There are several species of serpents which are not venomous, have no fangs, and are entirely innocent of any direct injury to man. One of these called the chicken snake, is very handsome, being finely mottled with bright colors; but as he delights to feed upon poultry is no favorite with their owners. The bull snake is a large serpent, colored like the rattle snake, but the colors are more bright. He is believed to be harmless, except for food. Black snakes attain considerable size, some of which are as agile as the deer. They seem to belong to the constrictor family, destroying their prey, including the rattle snake, by coiling around it and squeezing it to death. A green snake, about three feet long, was described by the Hon. B. T. Archer. Water and garter snakes are common. They all feed upon flesh, and are all animals of prey. Especially are they terrible enemies to frogs, toads, young birds, and almost all small animals.

I N S E C T S .

Though perhaps without philosophical correctness, we shall include under this head nearly all the very small animals that require attention, as well as that belonging clearly to that family.

One of the most singular, and, to many, alarming insects of this country, is a large, hairy and ill-looking spider. His color is nearly black, his hairs or bristles cover his whole body and legs; his legs are long, and, when he walks, fre-

pectable, some doubt exists in the writer's mind as to their entire accuracy. There are probably some hissing and spreading vipers, and cotton-mouth snakes, if no more, which are highly venomous. The Indians in the southern U. S. say that the bite of the latter cannot be cured, but this is a mistake.

quently expand to a width of five or six inches. Like all other spiders, he feeds upon small animals, which he takes by surprise or stratagem. Many stories have been told of the fierceness and venom of this insect, but from no person could any direct evidence be found that he is apt to bite even when assailed, or that the wound he inflicts is either dangerous or more painful than the sting of the large white tailed hornet. There is much probability in the opinion, that the fears of persons have magnified the danger of this creature, from the offensive and disgusting appearance it makes. It would seem that though not unfrequently found they are not numerous, and no instances have been related to us of injury from their attacks. Spiders of various kinds and habits are found in Texas as elsewhere.

The centipede is another very disagreeable looking little being, which is occasionally found here, though probably not more frequently than in Florida and some parts of Louisiana. As their name implies, they are remarkable for the immense number of their legs and feet. They run with considerable swiftness, and hide with much dexterity from the light, choosing to perform their whole labors in the night. They are carnivorous, and very much disposed to meet every assailant with fierce resistance. Their bite is somewhat poisonous, producing considerable swelling and local inflammation. The immediate application of cupping, or any like practice, is said to remove the pain and difficulty at once. Still they are troublesome insects, especially in log houses and partially decayed buildings, where they find convenient hiding places.

Still another offensive and troublesome little animal is the scorpion. This creature is very diminutive, seldom exceeding in this country one or two inches in length. In appearance it greatly resembles the crawfish; his arms are similar, his body nearly of the same shape, and his color exactly like them. His posterior part is composed of a jointed tail, terminated by a short strong curved and sharp sting, at the base of

which is a small cist containing a fluid and highly irritating poison. When excited to anger, he turns his head towards the object of his wrath, and throws forward his tail like the motion of a whip-lash, strikes it with the pointed sting in its extremity, injecting into the wound a portion of its venomous fluid. The wound thus inflicted is painful, attended with swelling and itching sensations. It is not however believed to be dangerous, and is easily relieved. These animals have been found in most of the southern states, but there as here they are rare.

One found in the cavity of a hollow stick, which was split for fuel, at Houston in March last, was a great curiosity to all the boarders of a boarding house, very few of them ever having seen an animal of the kind.

With the exception of the bee and wasp families, these are believed to be the only venomous insects in Texas. And so little dread do these awaken that most of the settlers in the country take no precautions against them, and go about their fields, stables and out houses barefoot, without any thought of danger.

Musquitoes, along the coast and in the lowlands, as in all parts of Alabama and Louisiana near the streams, for some distance in the interior, are numerous and troublesome. Near all the streams, bottoms and thick woodlands of this region, they are a severe annoyance even to horses and cattle, and no one would think of sleeping without his musquitoe bar. Passing to the undulating region their number diminishes, and after reaching Rutersville, they almost entirely disappear. It is asserted by some, that near the head waters of the Brazos, Colorado, etc., they are unknown, as are also horse flies of any description. It is the boast of the settlers in these parts, that they are free from the annoyance of any of the blood-sucking tribes of insects.

A very minute little animal called the red bug, is common to this country, and most of the southern and southwestern

states. It is without wings and never visible, till, being filled with blood, which it sucks greedily, it assumes the appearance of a very small red speck, but nothing indicates its being possessed of life or motion, except the itching sensation of the part. These little animals are very numerous, and inhabit every bush, stick, log and tuft of grass, from which they are collected upon the clothes of persons walking or riding in the woods. When it is suspected that numbers of them have attached themselves to children, rubbing their skin with a cloth wet with camphorated spirits, effectually dislodges them. The same remedy is equally efficacious in removing ticks, which, though large enough to be visible, are quite as annoying as red bugs. At some seasons of the year the young or seed ticks are exceedingly numerous. These little animals are furnished with a proboscis or instrument, by which they pierce the skin, and adhere to the flesh with such force, as either in their removal to leave their head in the wound, or lacerate the flesh from which it is removed. The least touch of spirits however will make them let go their hold, and then the effect of their bite is trifling.

In all the lower parts of Texas the horse flies, especially those with green heads, are numerous and troublesome. They bite with such severity that blood exudes from the wound, even after the fly has satisfied his appetite and departed. Full often after travelling for a day the legs and belly of a horse will be found speckled with these small clots of blood, which, drying among the hair, feel like small warts upon the skin. Such persecution must be very painful and injurious to that noble animal. This latter insect is confined however almost exclusively to the lower or coast region of country. It is believed that as settlements increase, and the tall grass is eaten away by cattle, these vexatious insects will rapidly diminish, and perhaps become extinct. They are not worse here however than they formerly were in Illinois. Other varieties of the horse fly though numerous are less troublesome.

But perhaps the most numerous kind of insects found in this country is the family of ants. Several different kinds of these are found, all of them multitudinous, and to him who shall venture to sit or even tread upon their domains, a troublesome company. Every log and decaying tree forms a home for thousands of these little creatures, and upon every dry prairie numerous elevations are formed by their industry. Some of these are broad, covering many square yards of ground, which by their influence is rendered entirely useless. This sterile spot is moreover constantly enlarging, and no person except in the coldest part of winter can venture near it with impunity. No method has, it is believed, been suggested, by which to break up these large ant beds, or check the increase and depredations of their inhabitants. As they are known to feed upon grain as well as flesh, might not the seed of poppies be as destructive to them as it is to house crickets? And would not the burning of heavy piles of brush or logs upon these subterranean cities, either dislodge their defenders, or, at least, greatly lessen their number and check their operations?

Sand flies are said in some places to be troublesome from their numbers, almost blinding the traveller by nearly covering his face and getting into his eyes. Cantharides or Spanish flies commonly used for blistering, and sold in all parts of the United States for that purpose, are here very common. They are entirely harmless except when crushed upon the skin, which, unless prevented by careful washing, produces a blister. The common house-fly, the fly whose larvæ are so offensive in flesh or cheese, butterflies of many kinds, fire-flies and grasshoppers, need no description or notice. Wasps of the various kinds common in the United States are numerous, but not generally very troublesome. The long red wasp and small yellow wasp are very destructive among the ripening grapes of a vineyard.

Great numbers of crustaceous little animals, such as beetles and the like, abound, with all the varieties of insects belonging to dry and warm climates. To give even a list of the zoology of Texas would enlarge our work beyond its prescribed dimensions. We have shewn enough for all the useful purposes of the emigrant and husbandman.

CITIES, TOWNS, ETC.

CHAPTER XVI.

Jasper, San Augustine and Nacogdoches are situated on the Neches river and its branches.—Anahuac, Liberty, Alabama and Cincinnati on the Trinity.—Galveston, Bolivar and Austinia on Galveston bay.—Harrisburg and Houston on Buffalo bayou.—Velasco and Quintana at the mouth of the Brazos.—Brazoria, San Felipe de Austin and Washington are old towns on the Brazos.—Matagorda, Columbus, La Grange, Rutersville and Austin on the Colorado.—Victoria and Gonzales on the Guadalupe.—Linville, Cox's Point and Demill's Landing on La Baca Bay.—Goliad and San Antonio de Bexar, both ancient Spanish towns on the San Antonio.—Aransas, Lamar and Copano on Aransasa bay.—San Petrucio on the Rio Grande, etc.—CURIOSITIES.

A strictly correct account of the cities and towns of Texas is difficult to obtain. So rapid the progress of settlements, and so sudden the rise and enlargement of towns, that what was yesterday truth becomes to-morrow a tale of the past—of what is now materially changed. Three years since the island of Galveston was a naked bank of sand, covered only with coarse grass: it is now a commercial city, noisy with the hum of thousands of busy men, and laden with the productions of half the globe. In July last Austin presented to the view an open prairie, with here and there a live oak spreading its broad foliage to the unobstructed breeze, or a clump of shrubbery gave variety to the landscape. Now it is the seat of a nation's authority, the residence of its functionaries, and presents to the eye of the traveller hundreds of dwellings of man,

How then shall we attempt to inform our readers of the present, without feeling that before our statements meet their eyes, numerous changes will have come over the scenes of which we speak. It is a pleasing reflection, however, that all these changes are of one kind, and all tell of advancement in all that is desirable in a new and half settled region. Over other changes humanity must weep, but these are like the changes from the first faint beams of morning to the bright effulgence of full blown day.

In order to give something like arrangement and form to our notice of the towns of the republic, it is proposed to commence at or near the mouths of the several rivers, beginning at the Sabine, and going upward, name all that are found on them.

SABINE CITY, is situated on the west side of the pass or inlet from the Gulf of Mexico to the Sabine lake. It is a new town, lately laid out, and consequently not much known, nor containing many inhabitants. It is regarded as being very advantageously situated, and lots are sold at good prices. When the boundary line between the United States and Texas shall have been determined, and the lands along the Sabine and Neches rivers settled, it is expected that this must become a place of extensive trade. Farther up the river are seen the names of Princeton, Salem and Belgrade, in the county of Jasper. Still ascending, the traveller arrives at Milam, Tanaha and Shelbyville, the latter the county seat of Shelby county.

BEAUMONT, JASPER, SAN AUGUSTINE, and NACOGDOCHES are situated on the Neches and its branches.

Jasper is the county seat of the county of Jasper, and is situated upon Sandy creek.

San Augustine is a new and thriving town situated on the Zavala creek, where it is crossed by the principal road from Natchitoches in the United States to San Antonio de Bexar.

It is the first considerable town the emigrant reaches after entering the republic. It is thought that the Sabine may be rendered navigable to within twenty or twenty-five miles from this place.

Nacogdoches is an old Spanish town, situated on the San Antonio road sixty miles west of the Sabine, near one of the branches of the river Augustine. Most of the Spanish and Mexican inhabitants have left it, and it is becoming an English town. It suffered much, not only in the Mexican revolution, but also in the present war of independence. It is however fast recovering from the effects of those disasters, and is now a pleasant if not a delightful residence.

TERAN, BEVIL PORT, ZAVALA and MENARD, are new towns in this same range, whose prospects cannot now be determined.

ANAHUAC, LIBERTY, FRANKLIN, SWARTWOUT, GENEVA, CINCINNATI and ALABAMA, are situated on the banks of the Trinity.

Anahuac is at the mouth of the river, is an old town which was long neglected, but now bids fair to become important.

Liberty, the next place above Anahuac, is progressing, and as the county above becomes settled, will evidently increase in population and business. The rest are new towns at different points, and have considerable trade with the surrounding country.

At Alabama a female school is established, and the population is rapidly increasing. Steam boats have already ascended to this point. This town and Cincinnati are in the coal region. Other valuable ores are also found in the same section. The region of country near the Trinity is now rapidly settling with planters and mechanics, the effect of which upon these towns will be to cause a considerable increase of business and wealth.

GALVESTON, VIRGINIA, AUSTINIA, SAN LEON, BOLIVAR

and NEW WASHINGTON, are all situated on different parts of Galveston bay.

The most important commercial town of these and of all the towns of Texas is Galveston. This city is now the principal entrance by sea to the republic, and the principal depot for commercial purposes and all national naval property. It contains as yet few public buildings, but several will soon be erected. A presbyterian church is progressing, a light house will soon be commenced, and probably several buildings for the use of the county and the government. Its present population is estimated at about two thousand.

All these towns except Galveston and Bolivar, are on the western shore of the bay.

Austinia is at the eastern extremity of a projected rail-road from Galveston bay to the Brazos river. They are all new and their destiny as yet unfixed.

LYNCHBURGH, HARRISBURGH and HOUSTON, are situated on the Buffalo bayou; the two former old towns.

Lynchburgh seems to be at a stand.

Harrisburgh was burnt by the Mexicans in the late or rather present war, and has not been rebuilt; the proprietors however are endeavoring to revive it, especially since the incorporation of a company to make a rail-road from that point to the Brazos.

Houston, the late seat of government of Texas is a considerable and growing town, at the extreme head of navigation on the bayou. It enjoys a quite extensive trade with the interior, especially the settlers on the Brazos. Though its growth seemed to be slightly checked by the removal of the seat of government, it still continues to grow, and houses are in progress of erection in every part of the city. A presbyterian church and an academy, with the court-house and the former capitol, are its present public buildings. It contains one good school and another is commencing. Clergymen of several different denominations reside in the city, and some

of them are devoted solely to the work of the ministry. The population is estimated at two thousand. Two newspapers are published here, one of them daily the other weekly. Probably it ought to rank as the second most important town at present in the republic.

MONTGOMERY, the county seat of the county of the same name, is situated on a small creek tributary to the San Jacinto. Of its advantages other than those derived from its judicial relations, no information is possessed.

LIVERPOOL is a new town at the intersection of the projected rail-road between Galveston bay and the Brazos, and the Chocolate bayou. It is a point nearly central between the two terminations of the road.

VELASCO and QUINTANA are situated on opposite sides of the mouth of the Brazos river. Both of these towns possess considerable trade with the interior, and are delightfully situated for summer residences. An ever fresh sea or land breeze mitigates the heat and refreshes the spirits. The river and sea furnish abundant supplies of shell and other fish, while sea bathing contributes equally to luxury and health. The accommodations are excellent, and the comforts to be enjoyed are manifold. Should steam boat navigation on this river be soon resumed, as it can scarcely fail to do, these towns would seem to enjoy fine opportunities for commerce by sea and land.

BRAZORIA, COLUMBIA, RICHMOND, SAN FELIPE DE AUSTIN and WASHINGTON, are old towns on the Brazos, all of them having existed previous to the present war.

As long since as the year 1831, Brazoria was regarded as being one of the most growing and important towns in Texas. And for many years since it was considered the door through which emigrants to Texas must find their way to the country. For some cause, probably the difficulty of passing the bar at the mouth of the Brazos, it has not succeeded according to the expectation of its friends. It is however a pleasant town,

beautifully situated upon a handsome elevation on the west bank of the Brazos, fifteen miles by land from its mouth. It is the seat of justice for Brazoria county, and is surrounded by a fertile and beautiful section of country. It will probably never be a commercial city, but an interesting and pleasant county town. One reason why this and other such towns are slow in growth, is that land is so easily obtained, and its culture so profitable, that mechanics and professional men often prefer residing upon farms at a little distance, to remaining in town.

Columbia is at some distance above Brazoria, on the same side of the river. It does not at present seem to advance much in population or business.

Richmond is a small town deriving most of its importance from being the seat of justice for the county of Fort Bend.

San Felipe de Austin was burned in the spring of 1836, by the Texian troops under the command of Gen. Houston, at the approach of the Mexican army under Santa Anna. Whether this was done by the order of Gen. Houston, is matter of dispute between him and Col. Baker who set the fires. Since that time it has been partially rebuilt, though in a very indifferent style. The town is beautifully situated upon an elevated and fertile plain, admirably adapted for gardens and the cultivation of either trees or field crops. The country about it is beautiful, exhibiting, in close connection, elegant undulating prairies, rich level bottoms, and, in some directions, dense forests. The river is here navigable for steamboats, and thus offers every inducement to enterprise. To all this the mere shells of houses, hardly equal to comfortable barns at the north, without school houses or churches, presents a striking but unpleasant contrast. But will this long be the fact? It is presumed that it will not. Very soon these houses will be superseded, and good substantial dwellings erected in their stead; the school house and the church

shall appear instead of the billiard table, and the congregation of worshippers instead of idlers about the dram shop.

Washington is situated in a large bend in the Brazos, about fifty miles above San Felipe. It seems to have been expected that it would become the seat of government. It is the county seat for Washington county, and is said to contain an excellent academy, taught by a competent and able teacher. It is in the midst of the fertile lands of the Brazos.

BOLIVAR, MONTICELLO, TENOXTILLAN, NASHVILLE, MILAM and FRANKLIN, are new towns on the same river, except the last, which is on one of its tributaries.

Bolivar is situated at the western termination of the Galveston bay and Brazos rail road. Its success or failure must depend greatly upon the results attendant upon the rail road.

Nashville is said to be a very growing town, but its statistics have not been obtained. It is situated in Milam county, below the falls of the Brazos, near where the San Andres empties into that river.

Franklin is at some distance eastward of the Brazos, and the seat of justice for Robertson county. So new are these towns that definite information concerning them is difficult to be obtained. Farther up the Brazos no towns have yet been established.

MATAGORDA, COLUMBUS, RUTERSVILLE, LAGRANGE, BASTROP and AUSTIN, are the towns on the Colorado river.

Matagorda is situated at the mouth of the Colorado, has been long settled, and enjoys a considerable trade with the interior. Owing to the raft in the river which obstructs its navigation, this town has not derived so much benefit from the trade of the upper country as might have been expected. Should these obstructions be removed, as it is thought they soon must be, the trade of this town will no doubt rapidly increase, and its population and resources be proportionally enlarged. Eventually it must become a place of considerable

size. It now contains a respectable academy, taught by a clergyman of the episcopal church.

Columbus and Lagrange are situated far up this river, not very far as is supposed from the head of navigation, which is however doubtful, and just beginning to attract notice. Till the river can be the channel through which goods may ascend into the country, these towns cannot acquire very much importance.

Rutgersville has been already so fully described as to require little more attention here. Its growth and ultimate advancement will depend very much upon the success of the literary institutions there established.

Colorado City is perhaps the least hopeful of all the towns upon this river.

Bastrop, named after the baron de Bastrop, is situated upon the right bank of the Colorado where it is crossed by the great San Antonio road. It is the county seat for Bastrop county. It is however but a small town, standing upon a beautiful level prairie of considerable extent, the whole of which is now enclosed in fences, dotted with farm houses, and subjected to the power of the plough. Seen from the summits of the neighboring highlands, these regular map-like divisions are very beautiful and pleasing, and at the same time indicate the prospect of abundance of the fruits of the earth. Even the hill-sides in the rear of the town are all laid under contribution by the husbandman, and will be compelled, in common with the flat ground, to yield from their bosom necessities and comforts to man.

Austin, situated thirty-five miles above Bastrop, on the same river, is, in the strictest sense of the term, a new city, being at this hour, June 1st, 1840, less than one year old. In less than one short year the solitary wild, and the range of the bison, has been transformed into the clustered collection of houses; and the mingled crowd of senators, judges, lawyers

and soldiers, occupying the late lair of the wolf and tiger. But so fully have we before spoken of this city of the wilderness (see page 62) that we forbear, merely referring our readers to what they will there find, and the view of the infant capital at the beginning of the volume.

LINVILLE, COX'S POINT, and DEMITT'S LANDING are new towns on La Baca bay, an arm of Matagorda bay. They are yet small, and probably when one of them shall obtain a considerable advantage, in capital or business over the others, it may so absorb the trade that the others may decline instead of advancing.

At different points of Matagorda bay, are also found Trespalacios and Calhoun. The latter was laid off by the government on the eastern extremity of Matagorda island. Of its prospects we have no definite information.

TEXANA is situated a little above the junction of the La Baca and Navidad rivers. It is fast increasing in size and business. Some think it will become a place of deposit for the trade between Austin and the Gulf of Mexico.

VICTORIA and GONZALES are situated upon the Guadalupe, and are old towns and formerly inhabited mostly by Mexicans.

The town of Gonzales was burned in the late war by the Mexicans. It has been partially rebuilt, is the county seat for Gonzales county, and will probably soon become respectable for numbers, business and wealth. It formerly contained a respectable academy, and will not likely neglect the subject of education hereafter.

Victoria is now growing in importance, and improving in various respects. A very respectable classical and mixed school is established there, and conducted by the Rev. Mr. Blair, late of Mississippi.

SEGUIN is a new town on the Guadalupe above Gonzales. Of its advantages or prospects we have no information.

GOLIAD and SAN ANTONIO DE BEXAR are both ancient Spanish towns on the San Antonio river, and both celebrated for events which have transpired during the yet unfinished war of Texian independence.

Goliad is specially noted as the place of perfidy and murder, for here the brave Fannin and his men, who had surrendered as prisoners of war, with explicit stipulations, in direct violation of the law of nations and of war, and in palpable violation of the express covenant of the Mexican commander, were murdered in cold blood by order of the president of the Mexican republic. This act of infamy, treachery and baseness, has never been disavowed by the Mexican government, and hence is to be written, in deep colors of shame, upon her national escutcheon. Henceforth she may be designated as the cruel and faithless nation, in whose public acts no confidence can be reposed.

San Antonio, much farther up this river was equally ancient, and at one time, a very populous city, and now numbers more than two thousand inhabitants, a large majority of whom are Mexicans and Spaniards. The population is increasing with astonishing rapidity, the new settlers being almost exclusively of English or American origin. In a very short time, it is presumed, the English language will be the common and prevailing language of the city. Here is carried on even now an extensive trade with Mexicans, who come from the interior, bringing with them some few articles of value, but mostly gold and silver, and purchase the goods that are there collected from all parts of the world. Most of these pass through the hands of merchants in New York or New Orleans. As soon as hostilities cease between Texas and Mexico it is expected that this trade will be vastly increased, and the city soon resume all its former magnificence and wealth. Its buildings are mostly of stone with terraced roofs, many of which, when this city was taken from the Mexicans, became a place of conflict and blood. Very near the city, on the other side of

the Salado creek, stand the ruins of a strong fortress called the Alamo.

In the fall and winter of 1835 this city, then occupied by Mexican troops under the command of General Cos, was besieged by a body of 'Texians, composed mostly of volunteers and militia. After some time, on the 5th of December, the city was assaulted and taken by the troops of Colonel Milam, who fell in the engagement. The enemy fled across the creek and took possession of the Alamo. Here, though reinforced by a considerable body of troops, after several days of severe fighting, General Cos surrendered the fortress and all its contents to General Burleson, an officer of militia commanding the volunteer forces of Texas. Thus the strongest post of the Mexicans in Texas fell into the hands of the troops of the new republic. In February following, General Santa Anna, the President of Mexico, led in person a strong force into Texas by the way of San Antonio. The volunteers, whose term of service had expired, had returned home, and this important post was left undefended by but about one hundred and fifty men. With these Colonel Travers took possession of the Alamo. Here, besieged by two or three thousand men for thirteen days, those heroic men fought night and day without ceasing, except by short reliefs of one another. On the 6th of March, about midnight, the fort was assaulted, and the battle raged with unusual violence till daylight, when but seven of the 'Texians remained alive. Among these were Colonel David Crockett, Mr. Benton, and Colonel Bonham of South Carolina. They asked for quarter, but were informed that there was no mercy for them. Denied any hope of life, they continued fighting till they were all butchered. Colonel Travis, when almost dead from wounds and loss of blood, was attacked by a Mexican officer. Rallying his remaining powers he pierced with his sword the body of his assailant, and with him fell to rise no more in time. One lady, Mrs. Dickerson, and a servant boy of Colonel Travis,

alone were allowed to live. Colonel Bowie was murdered in his bed, to which he had for some time been confined by disease. Thus fell the Alamo a second time into the hands of the Mexicans, for all its brave defenders were slain. Well might these bloody victors think the time would come when they would wish this deed undone, and their hands unstained with Texian blood. Few and short the days before, on the plains of San Jacinto, the war cry of the Alamo! Alamo! became the death knell of many a Mexican soldier, and the signal of shame, defeat and captivity to the proud president of Mexico, and his chief officer and relative, Cos.

And will not in future days Bexar be classic ground? Is it not by victory and the blood of heroes, consecrated to liberty, and sacred to the fame of the patriots who there repose upon the very ground they defended with their last breath and last drop of generous blood? Will Texians ever forget them? or cease to prize the boon for which these patriots bled? Forbid it honor, virtue, patriotism. Let every Texian bosom be the monument sacred to their fame, and every Texian freeman be emulous of their virtues.

ARANSAS, LAMAR, and COPANO are situated at different points upon the Aransaso bay.

Aransas is the port of entry for this bay, and is situated on the eastern extremity of a long peninsula, between Aransaso and Copano bays, called Live Oak Point. This town is improving with much spirit, is well situated and enjoys a lucrative trade with Mexico.

Lamar is situated on the eastern side of the Aransaso on point Lookout, and begins to receive considerable attention, though a very new town.

Copano, near the northern extremity of the bay, is a new town, though it has long been a landing place for goods destined to the interior. It is urged by some to be the best point at which to land goods for Lagrange, Bastrop and Austin, and to nearly all points on the San Antonio. It seems probable

that it is as near to Austin as any port on the Gulf of Mexico. While goods are transported from the sea board to Austin by land, it may perhaps be done as cheaply from this point as from any other; but it is certainly desirable that this should be avoided as early as possible.

AVOCA is the name of a new town, laid out at the head springs of the San Antonio river. The position of the town, the crystalline and cool waters and the scenery, are declared to be beautiful beyond any thing known even in Texas.

REFUGIO is an old Spanish town, on a creek running into the bay of Copano. It is but a small hamlet with a few buildings. Its name signifies flight, or a place for the fleeing to escape to. Why so called does not appear.

GRAYSON is a town recently laid off at the confluence of the Nueces river and Corpus Christi bay. As the country up that river becomes settled much business must be done in this vicinity.

SAN PATRICIO, or Saint Patrick, once a considerable town on the Nueces, but nearly deserted in consequence of the troubles of war. It will probably soon recover from its difficulties, as all terror from the Mexicans has ceased.

LAREDO, the only town on the Texian side of the Rio Grande, is inhabited by about one hundred Mexicans, who seem to have no particular wish to unite with the centralists, in opposing the progress of Texian independence and prosperity.

SAN LOUIS, a new, or rather perhaps a contemplated town, on the little island of San Louis, in the west pass near the western extremity of Galveston island. It is declared, upon respectable authority, that the channel on the bar is deeper than at Galveston, and the situation for trade more eligible. Persons interested in the town seem confidently to anticipate that it will soon rival, if not eclipse, the now prosperous port on the eastern extremity of the island.

In addition to the above, there are in several places in Texas prosperous settlements, and some little villages where the people find the benefits of proximity without the dissipation and expense of towns. Such are said to be found near Nacogdoches in eastern Texas, such is Independence, and Cole's settlement on the Brazos. These it is believed will multiply as the country becomes more densely settled. Such places will always be favored spots for schools, and in such positions will generally be found the regular ministrations of the gospel and its attendant blessings, industry, peace, intelligence, and a high standard of morals.

CURIOSITIES.

Very many things are found in Texas which might appropriately be referred to this head. Several have been noticed in the preceding pages, which, with numerous others, might well have formed a separate chapter. The following are conceived to be sufficiently interesting to find a place under this designation.

THE CROSS TIMBER is a long range of timbered land, extending from the head waters of the Trinity river in a line nearly due north to the Red river, a distance of at least one hundred miles.* Its width varies from three to five miles. It covers every variety of character usual in that part of the country, whether river bottoms, intermediate banks or high bluffs of the streams, level plains, rolling in gentle elevations or lofty and sterile hills covered with pine. In much of the level and undulating portion of it no marks, the timber excepted, show any difference between the soil there and the adja-

*The same range of timber continues on the north side of Red river quite to the Arkansas, varying there from five to fifty miles in width. The account above includes only the part embraced in Texas. That north of the Red river is in the U. S. A.

cent prairie. And yet so distinct and regular is the boundary of both, that if the eye of the curious, in surveying it, should look along its western border it would appear as strait as if formed upon a measured meridian, and been cut out by the axe. A surveyor who marked a meridian for forty miles long a very little distance westward of it, found that through the whole length his distance from this range of forest was unchanged.

The timber in the different parts of this range varies with the nature of the soil. In some places will be found all the varieties usually seen in river bottoms, in others those kinds usually interspersed among level prairies, again will be found the black jack, post and live oak, mingled with elm, cedar and the like.

Various conjectures have been started respecting the origin and nature of this singular long and narrow forest. Some have supposed that it was the work of art, intended to mark the boundary between rival and hostile nations of Indians. Nothing definite however has been discovered to show that the hand of man ever gave existence or form to it.

Be its origin what it may, it seems difficult to conceive why the scorching flame of burning herbage, that to its very edge has for ages destroyed every shrub and tree, should at that border cease to rage and allow the forest to stand unscathed : or why the seeds that planted this broad parterre of woodland, should not have fallen irregularly out and given to both its sides a zig-zag and rude irregularity. As it is, may not imagination conceive it to be an extended park, skirting the broad pasture lands of some wealthy patriarch of ancient days, whose name, like his body and his ambition, has perished forever ?

RANGES OF CONICAL HILLS. In a former part of this volume, mention is made of a singular hill or mound on the Brazos river below San Felipe. Partaking, in some respects at least, of the same character, though much farther from the

ocean, are numerous conical and isolated hills along one of the branches of the Brazos, and the upper Colorado. Falling into the Brazos from the right near the town of Nashville, is the San Andres or Little river. It is a small stream running through a beautiful country, bordered by numerous level prairies. From the mouth of this stream to near its source, and on both sides of it are numerous hills of considerable height. They are so situated as to wear the appearance of having been planted in waving lines, at intervals sufficiently near for one to be distinctly visible to those next to it above and below. They are nearly of the same height, from seventy-five or eighty to one hundred feet. The position of each of them is upon a plane entirely unconnected with other hills, and the surface around them equal with all the rest of the prairie. A large proportion of the matter composing them appears to consist of stratified lime-stone, mingled with petrified sea shells and marine substances. The average distance of these mounds or hills is probably about ten or eleven miles from each other, and the length of the lines or ranges about seventy miles. The water in this region is affected by carbonate of lime, and like usual lime water very clear and transparent; the hills are wooded to a considerable degree and the land about them fertile.

Along the western side of the Colorado above the city of Austin is a similar chain of hills, differing in no visible respect from the former, except that it is a single instead of a double range.

For information respecting these curious works of nature, we are indebted to the kindness of Gen. Burleson, mentioned in the former part of the work. Want of opportunity alone prevented a personal examination of at least a part of these singular hills, seemingly erected for signal fires by which to give notice to the warriors of an approaching and deadly conflict. Will not both the antiquarian and geologist find in them objects of deeply interesting inquiry?

ALOE. The great American aloe (*agave Americana*) is a native of the south-western portions of Texas. It is the plant frequently found in pots, with exceedingly thick fleshy leaves pointed with a sharp thorn at the extremity and having smaller thorns along the edge. It is a large plant, the stem branched and of great height. The flowers have the tube of the corolla narrowed in the middle, the stamens longer than the corolla and the style longer than the stamens. This magnificent native of North America is by no means an uncommon plant in English gardens, but is seldom seen there in flower. There is a notion, but an erroneous one, that it does not bloom until it is 100 years old. The fact is, that the time of flowering depends almost wholly on the rapidity of its growth. In hot countries it will blossom in a few years; in colder climates it is longer in coming to maturity. The stem which bears the blossoms rises from the centre of the leaves, and when the plant is in a vigorous state it frequently exceeds the height of twenty feet. One in the garden of the king of Prussia was forty feet high. Branches issue from every side, and in such a manner as to form a kind of pyramid, composed of greenish yellow flowers which stand erect, and are seen in thick clusters at every joint. When in full flower its appearance is extremely splendid, and if the season be favorable a succession of blossoms will sometimes be produced for near three months.

The above description was made from these plants cultivated as exotics at the north. Here they would greatly transcend in beauty and strength all that is seen in northern regions. It is asserted that in southern Europe they are used with advantage for hedges and several other purposes. Here they will be splendid ornaments, and why not make them useful?

INHABITANTS, MANNERS

AND

SOCIETY.

CHAPTER XVII.

Mexicans in Texas—their character, habits, etc.—Emigration chiefly from the United States and England.—Refutation of slanders cast on Texas by her enemies.—Causes of the neglect of literature in former days.—Chivalrous character of the Texians.—Equality of all classes.—Texian females.—Log houses.—Furniture.—Detestable habit of swearing.—Newspapers, etc.

THE population of Texas, exclusive of Indians, has been variously estimated from 150,000 to 200,000. Such however is the rapid influx of emigrants, that the above is quite as likely to be below as above the truth. Though this is made up of people originating from various sources, a large majority consists of emigrants from the United States. Some three or four thousand Mexicans may perhaps be found resident in the republic, composed for the most part of that class of them, who, being attached to republican principles, resisted the usurpations of Santa Anna and centralism, and are now incorporated with the people of independent Texas. Except at Goliad and Bexar, these are scattered among the settlements, and even at these places the rapid increase of Americans will soon leave them a small minority. In point of character for

intelligence, vigor or enterprise, the Mexicans are far inferior to Anglo-Americans, or any class of Europeans. For the most part they are small in stature and of feeble frames.

They are mostly uneducated in letters, and without ambition to excel in any of the arts or accomplishments of civilized life. Most of them are expert horsemen, and skilful in throwing the lazo or noose by which to catch wild horses or cattle. They are also skilful herdsmen and make useful laborers in taking care of cattle. In their habits they are idle and averse to exertion, choosing rather to endure cold and wet, than by industry to erect comfortable cabins. In many respects they seem to resemble the savages, from whom most of them are descendants, and the changes are not always in their favor.

As soldiers they are regarded by the 'Texians as being cowardly and incompetent, beyond any other professedly civilized people. Though perhaps superior in skill and energy to the Camanches, and others of the more uncivilized Indians, they are thought to be less effective by far than the Cherokees. Apparently degraded in their own estimation, and treated by their wealthy countrymen as menials, they are destitute of the high moral qualities requisite to produce elevation or energy of character, or even to preserve them from degrading vices. Hence in general their morals are low and debased in every respect, and licentiousness is scarcely thought worthy of rebuke.

To this account however there are occasional and highly honorable exceptions. Among them are some individuals of intelligence, literature, refinement and high sentiments of integrity and honor. These are composed of the aristocratic few, who, possessing wealth and power, seem willing to perpetuate these privileges in their own families, and therefore take little or no pains to disseminate intelligence or education among the people. The language spoken by these people is a corrupt Spanish, altogether unlike the pure Castilian, from

which it differs as far as does the rude dialect of a plantation negro from the style of Addison. So far as Texas is concerned, the English language will evidently soon supersede all others. In this the business of the courts is transacted, in this the statutes and debates of congress are exhibited, and in this the newspapers are published. In this language too a very large portion of the population exclusively converse, and have their children instructed. These little remains of Mexican people, habits and language, will therefore soon be swallowed up and lost, and the Anglo-Texians give character and complexion to the whole nation.

A few European emigrants also mingle with the settlers, and in some few places are congregated in little groups by themselves. They are mostly from England and Ireland, and a few from Germany. Of the former considerable numbers are constantly arriving, and most of them passing into the interior to form settlements for purposes of agriculture. Some of these are shepherds, and are bringing with them large flocks of some of the finest woolled sheep of Great Britain.

Near the south western portion of Texas, the region called San Patricio or St. Patrick, formerly contained a considerable body of Irish emigrants. They became much scattered by the Mexican invasion, but have now mostly returned. This large and fertile section of Texas must soon become important for numbers, and the value of its rich productions of sugar, cotton and tropical fruits.

Where English, Irish or German settlements have been formed, the habits, language and manners brought with them are still prevalent and distinctly visible. Not only their language, but their dress, their dwellings and utensils, bear the marks of their origin. All these however united, with a very few from France and other countries, make but a small proportion of the people. The United States is the parent of almost the whole population of Texas. All parts of that ex-

tensive country have sent their contributions to assist in making up the mass of the young empire, which though yet but in the cradle, is destined to become a power to be respected among the mighty ones of the earth.

Here are met the descendants of the pilgrims, shoots from the germ planted by Holland on the banks of the Hudson, the hunters of Kentucky, the Virginian stock originating with the cavaliers, and many a scion from the ancient Huguenots who settled in South Carolina. On this soil they meet as friends, forgetting, in their common name of Texian, all their local feelings, and making no other distinctions than grow out of character and talents. True, the sons of Virginia may sometimes boast of the greatness of the ancient Dominion, and the New Englander of the pious patriotism of his fathers in days of stern controversy for liberty and independence; but no rival feelings are awakened. All descended from sires who had fought for liberty in other fields, they here shewed that they had not forgot these lessons of firmness and heroic ardor in the same cause.

Still, made up of such motly materials, which has not had time to coalesce and unite into a homogeneous whole, no general and uniform character can be ascribed to the people of Texas. The new settler in mingling with his fellows, witnessing no common or uniform manners, customs or language, sees no pattern to which he may conform, and hence each one retains his own previously formed habits, nor even thinks of adopting any model.

In the intercourse of the people with each other and with strangers, there is an observable freedom and frankness which makes one feel that he is welcome, while no formal or feigned courtesy leads to distrust the sincerity of the reception. If in all this there mingle some want of the finished polish of the courtier, or sweet toned kindness of expression, it will be found to arise from the plain simplicity of truth and disregard of form where substance is more valuable.

It has been objected to Texas that it was the common receptacle of thieves, murderers and criminals of every description, who could escape from justice in the United States. Sometimes persons have insinuated that such characters formed the mass of the population. Such intimations however emanate only from those who have no personal knowledge of the country, or else intentionally misrepresent it.

That fugitives from justice have frequently made this country their city of refuge is undoubtedly true; but that they are numerous or possess influence here is entirely a mistake. It would be difficult for a felon here to avoid becoming known, and if known his crime would render him an object of scorn and contempt to the community. Shrinking from society he would be known to few, and even to them it would be his privilege to be unknown. But to what new and frontier settlement will not this same objection apply as well as to Texas? Was not such the fact in relation to Ohio? Indiana? Illinois? Arkansas? and Louisiana? These are difficulties incident to every new country, and it is believed are as little felt in Texas as in almost any other new state. Certainly the Canadas, and other British colonies, have received more of such colonists by far than Texas ever has.

The emigrant removing to this republic, and the visiter who mingles with respectable society, will soon perceive that among the people are numbered a fair proportion of industrious, respectable and intelligent persons, whose deportment and conversation are marked by dignity and good sense. Nor will highly intellectual and literary men be found to be scarce. Among men of the different professions, are many not only skilled in their own particular departments, but well versed in the broader fields of general literature and science. A gentleman at the seat of government, the last winter, observed, that in the republic he found alumni of half the colleges in the United States.

It is not to be denied however, that a large proportion of

the settlers in the country are composed of the more unlettered parts of mankind. Most of them have received some education, enough to enable to keep their own accounts in one manner or another. Still there are very many of them much more fond of spending a leisure hour in the forest with dogs and gun, than employing it in reading the most interesting book. Nor is this fact singular. Long accustomed to reside far from towns and places where books can be obtained, and by practice becoming skilled to bring down the deer or bear with the trusted rifle, he acquires a taste for the sport, while his former habits of reading and thought have been broken up and forgotten. In this manner the character and skill of many a skilful and successful scout in Indian warfare has been formed, and rendered effective in repelling these foes and protecting the firesides of the settlers. In Texas, the dextrous hunter and the Indian fighter have become almost synonymous terms. The frequent incursions of the savages to steal cattle and horses, and wherever they were not too well defended, to rob houses and murder the inhabitants, rendered almost the whole population familiar with the natives, their haunts and modes of proceeding. Under these circumstances, the sagacious and active hunter soon found it expedient to acquire skill in pursuit of the savage, as well as in taking his game. To this he would moreover be incited by the favor and applause freely awarded to the brave and successful protector of female weakness and helpless infancy.

In Indian warfare too, as in all difficult and dangerous avocations, native character shines out, and courage united with skill and generosity find ample opportunities for displaying their worth. In few duties of the soldier is there less prospect of reward, or of fame than in the pursuit of the wary and crafty savage through the forest. Yet in this task, though he be but a traveller in that section of country, will the practised enemy of the red man volunteer in order to avenge some deed of blood, or rescue from captivity some one to him unknown.

Confident of his skill to catch and keep the trail of the savage foe, fearless of surprisal from the objects of pursuit, and from long habit conscious of the excellence of his piece and the certainty of his aim, he threads the thickets, wades the streams, watching every impression upon the sand, either in or near the water, and every twig and tuft, for marks of Indian foot-prints, traverses the prairies and endures fatigue, hunger and cold; and on overtaking the enemy, at almost any odds, attacks, defeats and captivates or kills him, and returns, asking no other reward than the spontaneous feelings of the grateful hearts of those who had suffered from the predatory inroad of these enemies of all white men. Some of these too have, by their success and capacity, been raised to stations of high military command, and proved themselves no less able and skilful in conducting bodies of troops to victory, than little companies of settlers to successful contests with roving parties of Indians.

Though at their homes and in the forest, these hunter warriors are generally clad in buckskin pantaloons and hunting shirts, many of them have been familiar with fine garments, and when at court or public worship, appear in very respectable apparel. Some of them are professional men or planters of wealth, and on emergency can appear with credit among the politest circles of the Atlantic cities. Drawn together by common interests and common dangers, the learned, polite and wealthy, are not in their ordinary dress and appearance, very different from their poorer and less instructed neighbors. They are also on terms of familiarity, because they have together gathered round the camp fire in times of storm and cold, and together fought the Mexicans and red men of the forest. Equality in their intercourse together is here very practically exemplified. "I served with you at the surrender of Bexar; I was with you in the expedition against the Indians on the upper Brazos; I fought with you at San Jacinto," cancels all distinctions, and the highest officer is at once on

terms of perfect equality with the poorest individual who had ever been his companion in arms, and shared the danger and sufferings of a Texian tentless campaign.

Very few of the inhabitants of Texas, with the exception of their lands which are not yet available, are in possession of wealth or even of enough to preserve them from early want, except through the avails of their constant exertions. As a consequence of this fact, though there are a few planters with large families of servants, nearly every man is a laborer in some employment with his own hands. There is no rich and lordly class, who, despising industry and labor, treat all who are dependant upon the avails of business for support, with contempt. Hence labor and industry are respectable among all classes, except a very few worthless characters that lounge about the towns, and aim by gambling and fraud to filch from the young and inexperienced the fruits of their own or their parents' industry. This is a most fortunate circumstance, and tends greatly to the prosperity and productiveness of the country. May this long be the fact, and may honest industry be ever honored in this favored land.

There are a considerable number of negro slaves in this country, and their labor is thought to be profitable. The principal reason for this opinion probably is that land is so cheap, and cropping so profitable, that very few even poor men consent to be hired, preferring to work their own lands. Owing to these circumstances no one could cultivate a large plantation by free labor. This evil will however be gradually removed by the continued immigration of settlers into the country. Slaves are not sufficiently numerous to perform even a small fraction of the labor of the country, and consequently, labor so far from being regarded as improper or disgraceful for freemen, that it is honorable in the eyes of the whole community,

The intelligent farmer, who by the labor of his own hands and the hands of his children, cultivates his land, is here a

man of dignity, and looked upon with as much respect as he whose negroes do his work, while he and his children are idle.

What has been said of the other sex, will sufficiently inform the intelligent reader of the character and habits of the females. A very large share of them in person perform the duties of the household, in preparing and cooking food, attending to the dairy, preserving cleanliness, and taking charge of clothing, in addition to the cares of the nursery. Comparatively few of them have received the advantages of a refined education, but they are well versed in all that regards good housewifery, which, with good sense, and a courage to despise imaginary dangers, constitute some of the most practical virtues of a female pioneer of Texas. Not a few of these, and some whose minds have received a much more exalted and refined impulse, are more disposed to be useful than showy, have rendered themselves quite familiar with the use of fire-arms, with which upon occasion they have supplied themselves and families with necessary provisions.

Aware, though honored and cherished with a tenderness and affection unsurpassed in any part of the world, that widowhood and other disasters might befall them, they have with an energy worthy of the daughters of Sparta, met dangers, fought savages, encountered and overcome difficulties, and sustained their families in a manner, of which, under other circumstances, they would not have thought themselves capable. In the towns there are many ladies, whose taste, education and manners, would grace any saloon in any country.

The furniture of most of the houses in Texas is of the plainest kind that could be constructed on the spot. The tables are made of such boards as can be obtained, and are put together by a mechanic, if one be at hand, otherwise by the hands of the settler himself. Chairs are framed with round posts and cross pieces, and then covered with the raw hides of deer, beeves, etc. Other furniture is usually of simi-

lar construction, except the beds, which for the most part are mattresses of long moss, corn husks, or coarse prairie hay. A feather bed is an uncommon luxury in the new republic.

The houses in towns are some of them well built of wood; brick or stone houses are very uncommon. Most of them however are merely covered with weather boards, and remain unceiled and unplastered. Some of them of considerable size, used as boarding houses, are without chimneys, being warmed by stoves whose pipes extend quite through the roof. In the country they are for the most part constructed of logs, much like the log houses common in new countries at the north, but they are not near so well guarded against cold weather. At one house of entertainment kept by a lady, and which had stood for ten years, a guest could discover but one place for a window, which was without glass or even sash. Between the logs no plastering had ever been done, and between the top of the logs and the roof was an open space on both sides of the house, and its whole length of about one foot and a half wide. At the end next the chimney the weather boarding was gone for more than two feet in width. Supper was eaten by fire light, as the wind would not permit a lamp to burn. From no expression of the lady or her family, did it appear that a better house was desirable. So mild is the climate that such things are not objects of anxiety. Occasionally however, especially in the older settlements, there are comfortable framed houses, and some few of brick. In these are also from time to time found handsome furniture, such as pianos, armoirs, bureaux, sofas and the like. The poorness of their houses, or the simplicity of the furniture is no ground of complaint among even the ladies of Texas.

Justice demands that before closing our remarks upon the society and manners of Texas, we should acknowledge that there are several things to deplore. One of these is a very prevalent habit of profane swearing. This low and senseless vice, which has not the form of an excuse, being entirely

without temptation, is practised by high and low, senators and judges, officers and citizens, masters and their negro servants. Whence such a general and extended practice of such a vice originated would be difficult to solve, but for the known consequences attendant upon a state of war. How men of intelligence and talents are induced to adopt it is utterly unaccountable, unless we admit that even wise men have a strong propensity to foolishness. It is matter of gratification that this practice is not universal, many persons of the first talents and standing in the republic being, as gentlemen and conscientious moralists, entirely free from it.

Another very prevailing practice is the drinking of ardent spirits. As yet temperance societies have made but comparatively little progress in this republic. Several have been established, and are shedding around them a happy influence. Still the work is but begun. The friends of temperance, it is presumed, will not pause in their course till the monster's power is curbed and his deadly influence broken. Gambling in one or two places, is said to be in fearful progress.

These and some other vices, more or less prevalent in all towns, call for the wise action of the legislature, city councils and courts of justice. With the co-operation of the people, these may do much towards eradicating such noxious weeds from society. It is believed however, that in no part of the United States is there less pilfering and stealing than in Texas. Even in the towns there seems to be no apprehension that property will be stolen. An office in Houston, containing two valuable libraries and many articles of value, was habitually left unlocked by the owner, and nothing for many months known to be stolen.

Viewed as a whole, the manners and morals of Texas appear to be as free from stain as other new countries, where the settlements are made promiscuously from all quarters, and especially where the effects of war and the presence of soldiers are experienced. The defects and vices of the people

are those which are common to all new settlements, and such as uniformly diminish as population and society advance. The presence and influence of good men will check profaneness and drinking, and the power of the gospel of Jesus, attended by its genial influences, will, it is fondly trusted, in due season put these and kindred vices to shame.

That the Texians are a reading people is manifested by the fact that there are now 12 newspapers published in the republic. One of these is a daily paper published at Houston, and one or two others are, during the sessions of Congress, semi-weekly ones. In a population so small, and with such imperfect post routes, to sustain so many papers must be admitted to be an astonishing circumstance.

RELIGION, EDUCATION, AND SCHOOLS.

CHAPTER XVIII.

Present favorable religious position of Texas.—Religious intolerance while under the Mexican despotism.—The monkish force of re-marrying—its infamous tendencies —Romanism and priestcraft no longer tolerated.—Increase of churches.—De Kalb College.—Unanimity of the different denominations.—Discussion consequent upon religious liberty.—Sabbath schools.—Large bequests of land for the endowment of schools, etc.

IN direct connection with the morals of a people, from which indeed it cannot be separated without their utter destruction, we would speak of religion. By this we would be understood to mean the christian religion, and that exclusively.

According to the constitution of Texas, as in the United States, no religious establishment can ever exist in this country, nor any religious test be required as a qualification for office. Every one is at full liberty to worship God according to his own conscience, and no one is permitted to interfere with that sacred and inestimable privilege. No tithes or other ecclesiastical taxes are imposed, and no man can be required to pay money, goods, services or other thing, for churches, church privileges or claims, but according to his own consent and contract.

Such a state of things has been denominated the being without a religion. So far is this however from being true, that it furnishes the very best security for the support and purity of true religion, that ever was adopted by political bodies. It is true, that in Texas and the United States, religion depends not upon the state nor its laws for its existence or support, and is therefore also free from the pollutions and impositions which interest or ambition in political men, would intrude upon her. Left free from the authority of men, and resting on God through his word for support and doctrine, she stands forth in native simplicity, and will, whenever assailed, be found like the sling and stones of the youthful David, sufficient for every exigency. Did the blessed religion of the gospel need the strong arm of human government to sustain it against the craft and power of its enemies, we might well doubt its divine origin. We are thence prepared to say to all its enemies, "it is of the Lord and ye cannot overthrow it."

It is not our purpose however to argue this question with the advocates for an establishment, more than its truth with infidels. But we are ready to render cordial thanks to God, that in Texas also religion is untrammelled by the state.

Such was not the religious freedom of Texas while one of the states of Mexico. By an article in the constitution of that misnamed republic, the Roman Catholick religion was declared to be established, and that no other should be tolerated. The following is sub-section third of the first title of the constitution of Mexico.

"3. The religion of the Mexican nation is, and will be perpetually, the Roman Catholick Apostolick. The nation will protect it by wise and just laws, and prohibit the exercise of any other whatever."

A professedly christian and protestant female writer, who professes great attachment to religious freedom, in speaking of this odious and tyrannical rescript, and the submission to it by the Texian colonists, says, "They accepted lands from the

Mexican government on condition of becoming *nominal* catholics, and had sense enough not to quarrel about forms and technics. * * * * The introduction of protestant preachers was contrary to law, and had it not been so, the contests of sectarians would have destroyed the country."

How far this was to be merely nominal, may be in part understood by some facts told by the same writer on a subsequent page. Her words are "once or twice the farce was practised upon them of a Mexican padre going the rounds of the colonists to unite in lawful wedlock *young* couples, with *blooming families* to assist at the nuptials, proclaiming his infallible decree, that no other form of marriage was sanctioned by high Heaven." She adds that the colonists usually made a frolic of it, while the priest carried off considerable sums in the form of fees.

Yet this was something merely nominal; matter of form and technicality. A slight matter of form indeed, that pronounces the former married state of the people pollution, and their "*blooming families*" children of shame. A formality which from each family took the small sum of fifteen dollars in gold for branding them and their children with degradation and infamy.

A matter of mere form which required them to abjure their faith, bow down before the *host* or a crucifix, and thus worship a piece of metal or of paste. Such matters of form as would have subjected a Jew in the purest days of Israel to death for a violation of the second commandment. Yet all this was well, wise, prudent and necessary to preserve the country from being destroyed by those destructive creatures "protestant preachers!!!

How these protestant preachers would have conducted their wordy contests so as to have destroyed the whole country, she does not inform us. Is it not a great pity these kind friends would not again compel poor suffering Texas to receive the dogmas, superstition and idolatry, priests and all, of

Romanism, and thus prevent the sad effects of the labors of protestant preachers, with the bibles, schools and colleges, which threaten the country with such awful ruin !

The state of Coahuila and Texas enacted a statute annulling this part of the Mexican constitution ; but if they remained a part of Mexico this statute was of course void, as being contrary to the general constitution. Santa Anna in enforcing his plan of central government, urged rigidly this article of that instrument wherever his power extended. Thus, in violation of the constitution he had sworn to obey, in contempt of the public feeling and all the inalienable rights of man, he attempted to compel the Texians by an armed force to submit to a military and religious despotism, and to entail the same upon their children after them.

For resistance to such oppression and violence, and for throwing off the yoke of this faithless and cruel murderer, and the inquisitorial power of the priests, self-styled *protestant* writers in the United States have heaped upon Texas and her sons every epithet of scorn and contempt which could properly be applied to the vilest plunderers and assassins. For this they have been denounced as rebels, pirates and banditti, even by the professed lovers of liberty and the protestant religion.

If the most flagrant usurpation of power, the wanton trampling down of chartered rights, the enforcing of lawless power by armed mercenaries, the most cruel tyranny, and the deprivation of all freedom of conscience, will not justify the withdrawal of allegiance, can any events transpire that will do so ? If all these cannot justify the course of the citizens of this republic, is not all resistance to arbitrary power a crime ? And is it not a grievous offence against God to desire liberty ? Whatever the advocates of unlimited authority may say in Mexico, or their apologists in the United States may pretend, Texians may thankfully rejoice, that, favored by a good Pro-

vidence, their independence of Mexico and religious despotism is ACHIEVED, and no sophistry of pretended philanthropists, or power of Mexico can deprive them of it.

Freed from the miserable thralldom of religious tyranny, and secured in the enjoyment of entire ecclesiastical liberty, the friends of religion and morals have early begun to take measures for securing to themselves and posterity the inestimable blessings of the gospel, and its natural concomitant, education and intelligence. Already have they established a number of churches of different denominations, secured the labors of a number of devoted and faithful ministers, and in connection with several of them established seminaries of learning, which are often taught by these ministers in person.

At Independence, on the Brazos, at Matagorda, and at Victoria, are such schools, all taught by learned and able ministers, whose labors, both in the gospel and in literature, give pleasing promise of lasting usefulness to the country. Several other schools of similar character exist in different sections of the country. At Rutersville, two literary institutions have been incorporated by congress, and are already in operation, under the direction of an able and efficient minister of the Methodist Episcopal church. Their prospects for usefulness and permanent success are fair and cheering. In eastern Texas a collegiate institution has been incorporated, called De Kalb college. This, it is understood, is also intended to be a christian institution, and to be under the direction of one minister of the gospel or more. Besides these ministers thus engaged in literary pursuits, there are a number more who are engaged solely in the work of the sacred ministry. These are for the most part, but not wholly, resident in towns. They belong to different denominations, each of which, without interfering with others, takes its own method of disseminating its doctrines, and sustaining the influence of the gospel. New churches are from time to time organised, and missionaries are sent to supply them with the means of grace.

Probably few new countries of the same amount of population, have been more favored by the number and capacity of ministers than Texas, and yet from various parts of it the cry is heard, "*Come and help us.*" These statements fully disclose the fact that the people in a good degree appreciate the blessings of the gospel, and hence desire to see the churches prosper.

In nearly all the most considerable towns, the several denominations are found mingled together; their preachers meet, take part together in the same meetings, and mutually interchange in the use of the same house and pulpit. Yet none of the evils so destructive of the country as the afore-mentioned writer would represent, are found to accrue. Peace, quietness, kindness and good-will, subsist between them all. Is not then the suggestion so often made, that the controversies of sectarians do more mischief than ignorance and intolerance together, a misrepresentation of facts? Though the discussions between men of different tenets, may sometimes be conducted with an improper spirit, the evil is of a very local and temporary character, while the light and knowledge diffused are permanent and continually extending. Experience, if nothing else, should shew these pretenders to exclusive love of liberality and freedom, that the evils they mourn over exist only in their own diseased imaginations. True religious liberty implies the right freely to discuss religious tenets, and freely to shew the errors and mistakes of the theories we oppose; and when the over anxious claimants of our charity denounce as wrong, the exposure of their errors, there is much reason to fear that other causes than love of liberty excites their opposition to controversy and uncharitableness. Of little value indeed would religious liberty be, which would require us to be indifferent to the truth or falsehood of any scheme of religion proposed to our acceptance. Because, in religious things men are here entirely free, they are fully jus-

tified by open, manly and clear arguments, to maintain the true gospel they preach, and to shew the fallacy of the infidelity and heresy they oppose.

In connection with the preaching of the gospel, sabbath schools, bible classes and the like, are to some extent exerting their benign influence in this country. In nearly every place where the stated means of grace are enjoyed, sabbath schools are found as a matter of course, and in some places where the churches are without preaching, the sunday school and prayer meeting in part supply the defect.

There are several new presbyterian churches lately erected in this country; one of these is at Galveston, one at Houston, and a third at Austin. Methodist churches also, it is believed, have been erected at several different points. Still others are in contemplation, and as the country becomes filled up, it is believed that it will not be behind most parts of the United States, in its attention to the means of moral and religious improvement. The present state of the infant churches, their anxious desire to lay broad and deep foundations for eventual as present usefulness, the zeal and talents of the ministry, the character, piety and efficiency of several of the missionaries laboring in different parts of the country, warrant the expectation that the advance of true piety and sacred morality will be steady and progressive.

The number of churches which have been organised in the republic is not exactly known. The Cumberland Presbyterians more than two years since, organised a presbytery. How many ministers or churches are included in it cannot now be stated. The Presbyterian ministers in Texas, in accordance with a resolution of the General Assembly of 1839, proposed to unite themselves and churches in a presbytery, which, for numbers as well as character, will be highly respectable.

On the subject of religion then, as on most others, may the friends of Texas exclaim, "Happy republic, happy daughter

of a blessed mother, like whom she has cast off the shackles of provincial government and foreign tyranny, and now exults in the fulness of freedom and dawnings of physical, intellectual and moral prosperity. May the influence of such institutions and such results spread far, nor cease their expansion till Mexico, Guatemala, and all South America, disenthralled and illuminated, shall taste the unalloyed blessings of rational liberty and pure christianity.

On the subject of education and the organization of schools, the legislators of Texas have evinced purposes as wise and provident as they are liberal and munificent. At the session of the congress of 1838-9, in addition to several acts incorporating literary institutions, and making to them large donations of land, an act was passed granting to each county in the republic three leagues* of land, (to be selected by the county surveyor, from any vacant good lands in that county or elsewhere in the republic, at his discretion) to be appropriated exclusively for the benefit of common schools.

The same act required the President to cause to be selected out of the public lands, and surveyed, in addition to the above, fifty leagues of good land, the avails of which are to be applied solely to the endowment, establishment and support of two colleges or universities, hereafter to be established in the eastern and western sections of the country. These lands are not now to be sold, nor rented for long periods. When, through the increase of population and enlargement of facilities for business, these lands shall appreciate in value, it is intended that a part of them shall be sold to defray the expenses of building, libraries, apparatus, &c., and the remainder to be a fund for the ordinary expenses of the institutions.

* This league and those which follow are Mexican measure, containing 4428 acres and a fraction over each. It will hence be seen that these endowments are large, and will in future be abundant.

At the last session of Congress, an act was passed to carry into effect the former act in relation to common schools; in which it is provided that, as early as circumstances will permit, there shall be established in each county in addition to the common schools, a central academy or high school, in which classical literature and the higher branches of mathematics shall be taught. By the same law an additional league of land is granted to each county, to be applied equally for the benefit of said academy and the several common schools. The chief justice and his two associates of each county, by this act become *ex-officio* inspectors of schools, and are bound to secure proper teachers and visit the schools from time to time. Thus attentive are the people of Texas to the best interests of the rising generation in preparing for them all possible advantages of education.

These liberal and judicious grants, under a wise direction, united with the exertions and persevering labors of the churches, will soon place Texas in a favored position in relation to schools and public instruction. Already there are a number of public and private schools in highly successful operation. These, as well as those which will receive aid from the avails of public lands, will be continually increasing in numbers and respectability, and experience proves that public feeling demands that most of our youth shall be trained under the influence of not merely moral but christian men and christian ministers.

By a law of the state of Coahuila and Texas, professing to be free, it was enacted that, in all the towns of the state, schools should be "established, the instruction should be uniform, and embrace reading, writing, cyphering, and the *catechism of the Christian religion*," the meaning of which last article will be understood by recollecting that the Roman Catholicism was the only religion tolerated. We hope that in very many of the schools of the country the great principles of

christianity will be taught and exemplified, but not according to a catechism sanctioned by Roman Catholick priests. Happily all such legislation is now abolished, and the schools like the churches, are free from all polluting connection with political relations.

I N D I A N S.

CHAPTER XIX.

The Indians of Texas—causes of their degraded state, and vicious and destructive habits.—The Caddo Indians—their defeat and dispersion.—Cherokees—civilization, defeat and expulsion of that tribe from the Texian territory.—Camanches—their predatory habits and faithless and cowardly character, etc.

THE Indians still resident in Texas, with the exception of the Camanches, are few in number, and consist of the remnants of several tribes now dwindled down to so small numbers as hardly to be formidable to a hamlet, much less to a community. Whatever may have been their former character for war or peace, generosity or faithfulness, the inquirer after Indian virtues would long seek in vain before he found one. Addicted, with few exceptions, to drunkenness, deception, and stealing, they are destitute of every trait of virtuous and manly character. Idle from habit and inclination, they depend for subsistence upon the fruits of the chase, added to what they can beg or steal.

The cause which has probably been most conducive of all others to this wretched state of degradation is ardent spirits. To them as to white men drunkenness becomes not only in itself destructive, but the prolific parent of numberless vices and crimes. With the loss of property, of friends, of home, of confidence, and the means of supplying the wants of a

family, there is soon superadded the loss of self-respect, and all effectual effort for retrieving lost possessions or reputation. In such individuals, if principles of virtue ever existed, they are first weakened, broken and rendered indistinct, and soon lost in entire oblivion of all sense of right and dignity. Thus fallen, sunk and hopeless, what shall be expected of the unhappy being but squalid wretchedness, disease and death? From such a state as this, how few even among white men are ever recovered? What then shall be expected of the unlettered and debased savage, who has added to his barbarism the last low vice that dishonors the human species, and extinguishes the last rays of reason in stupidity and helplessness?

In the train of intemperance follow wastefulness, idleness, want, nakedness and hunger, as well as the debilitated frame, offensive sickness, and depressing lassitude. Suffering from cold, weakness and hunger at once, and conscious of being justly despised, is it wonderful that the half naked and starving wretch should endeavour to supply the cravings of nature by stealing, or even joining himself to any body of men, civilized or savage, for purposes of war that would furnish him with food? Such things may perhaps explain facts yet to be related.

Most of these remnants of tribes are and for years past have been at peace with the Americans. They are therefore permitted to reside where they please, hunt at will over all the prairies, and at all hours visit the towns to sell their game, and purchase provisions, ammunition or whiskey. Of these privileges they fully avail themselves, and as before remarked, full often for the sake of spirits sell their game, guns, and even their blankets. In their drunkenness they are often no doubt miserably cheated and defrauded of their property, for which wrongs they are utterly without remedy. Finding redress from white men vain, can any doubt exist that a desire for revenge is aroused, and the purpose of gain-

ing reparation by violence or stealth deeply formed? Peaceful as the relations of his tribe and the whites may be, in his heart burns the feeling of injury which cannot be extinguished. He hears that some tribe of the red men are at war with the Americans, and without consulting his chief or making known his purpose, he joins the war party in search of plunder and revenge.

When, as has frequently been the fact, Texas has been compelled to make war upon different tribes of these Indians, their numbers have been somewhat larger than was supposed to belong to them. And when the Indians were driven to leave their dead upon the field, individuals of the nominally friendly tribes have uniformly been found among them. How far this conduct was chargeable upon the tribe is unknown, but probably in many cases it was the crime of the individuals alone. Still such is the intemperance and abandonment of character among them, that no crime or folly can be a matter of surprise.

Though few indeed, to this description of persons there are some exceptions of an honorable character. Some few are sober and discreet, and by their judicious conduct have secured a reputation for worth and integrity.

The Caddo Indians were even a few years since a considerable tribe, but in a late war they were beaten by a body of Texian troops under the command of Gen. Rusk, and the remnant of them dispersed, it is supposed among the Cherokees. After the defeat and dispersion of this tribe, the only Indians whose prowess seemed dangerous were the Cherokees and the Camanches. The former of these two tribes had made considerable advances in civilization. Their houses, dress, furniture, and farms all testified that their native pursuits and habits were greatly changed, and that they were at least upon the very borders of civilization. In war they were evidently more skilful, brave and formidable than either

any other Indians or even the Mexicans. For a long time they observed the strictest neutrality between Texas and her Mexican foes, and were regarded and treated as friends. Such continued to be the case till after the Mexicans had apparently abandoned the hope of reconquering Texas. Then through her agents she endeavored to induce the Cherokees to make war upon their white neighbors. For a time this proved unsuccessful; at length they began to furnish to hostile tribes rifles, ammunition, and other means of carrying on their wars against the people of Texas. Injuries were committed by their people against such Texians as visited their settlements. Troops were accordingly sent into their neighborhood, and the commander authorised to treat with them for peace. After holding two councils for the purpose of concluding a permanent peace, and after a treaty had been arranged, the Indians suddenly flew to arms. A battle ensued and the Indians retreated. As the troops moved forward in pursuit, a man met them from the Indian camp bearing a flag with further proposals. The commander however retained the ambassador, and, moving forward, attacked the camp of the enemy, and drove them from it with considerable slaughter, taking a number of prisoners. This defeat of the enemy was believed to be entirely decisive, and that these Indians would leave the Texian territory. One prisoner was released with information, that by the restoration of some Texians believed to be in the hands of these Indians or their allies, all the other prisoners would be set at liberty. The result of this judicious and humane course has not yet transpired.

Thus began and terminated almost at the same time the war with the Cherokee Indians. In battle, said an officer of the Texian army, they are not merely respectable, they are as much to be dreaded as an equal number of men of any nation. While thus making advances towards all that constitutes civilization, and even a knowledge of the gospel, it is

to be lamented that stern necessity required their dispersion and removal out of the country.

To the above the Camanches appear in strong contrast. Without any fixed residence, they have no houses, and dwell only in tents covered with cloth or skins and frequently removed. For these reasons withal they attend to no cultivation of the soil, and to most of them bread is an unknown article. Feeding exclusively upon flesh, and such vegetable productions as the forest and prairie spontaneously produces, their whole life consists in the labors of the chase, the removal of their tents, dressing the skins of their game, or in their warlike excursions for plunder and scalps. Living in a warm climate and among the prairies, their horses can procure their own subsistence, and consequently they keep considerable herds of them, always moving, whether individually or in a body, on horseback. They ride with ease, and manage their horses with a skill and address of which an Arab might be proud. As their dependence for food is on the flesh of their game, they very naturally follow the migrations of the herds of buffaloes; and it is said are careful never to kill the females with young, or which are followed by sucking calves. In cases of necessity they also eat the flesh of horses and mules and almost any other animal which they can capture.

Addicted entirely to such habits and manners of life, they have advanced very little from the rudest state of barbarism. Their dress is as imperfect as perhaps any other Indians in America, and their disposition to plunder as strong as can be found among the savages of any country. Some of them are armed with guns and rifles, which they use with tolerable skill, but which for want of ability to keep them in repair, or for want of ammunition, become frequently useless. Their more common weapons are bows and arrows; the latter, since their acquaintance with the whites, generally armed with points of iron or steel. These they use with great dexterity,

and often with deadly effect. In addition to other arms they usually carry a long spear, to the end of which is fastened the point of a sword, with which to pierce their game or their enemies, as the case may be.

In their war parties, if not elsewhere, their movements appear to be governed by well understood and digested rules. Whenever they discover an enemy or object of pursuit, deemed weak enough to be attacked, the whole troop move forward towards it at full speed, till within a suitable distance, when, as if by some preconcerted signal, they divide to the right and left, and moving at unequal rates soon surround their victims. Should soldiers, or any other persons of any sex or age of their enemies, be thus encircled, their only hope of life would be in forcing their way, rifle in hand, through the line of Camanches, which is very apt to give place before the dreaded contents of that death-doing instrument. Either in avowed war, or in their predatory incursions into the settlements, they seldom make prisoners, seeming to prefer despatching them at once, in order the more conveniently to retire with such cattle, horses and mules as they are able to steal.

Much has been written by persons of taste and of high talents for description, of the fidelity and justice observed by these and various other tribes of Indians. Without disputing the fact, that they may have heard something like what they have thus beautifully described, we are required by simple truth to remark, that the settler in the new part of the country finds in the conduct of the natives no filling up of the picture he had contemplated from the pencil of Campbell or Irvine, or any other eulogist of Indians. Though unsullied peace had subsisted in all directions, and no cause for war had been whispered, the marauding party would enter the fields of the husbandman, shoot down or stab his servants or himself, and if they dared burn his house and butcher every member of his family. Nay, though they may have just with

joined hands pledged their peace, their next act may be a tragedy of blood. All this is done for no other reason than their desire of plunder, and the consciousness that by their violence they will be regarded as enemies and treated as such.

Instead of the generous, brave and faithful friend, the Indians in practice are found to be thievish, deceitful and faithless cowards, destitute of truth and gratitude; and equally treacherous and cruel. At least such has proved eminently to be the conduct of the Camanches. That such is the true, unvarnished and unexaggerated character and habits of these robbers and assassins can be proved by every old settler in the western parts of Texas.

These Indians for the most part are found between the Colorado and the head waters of the San Antonio, to the north of Austin and San Antonio de Bexar. From this region, though it is quite a broad one, they have frequently extended their incursions far down the Colorado, and even across the country to the Brazos. For some time however their marauding expeditions have been much more limited, as the settlements have increased, and the danger of being intercepted in their retreat has become more threatening. Even the restricted limits, by which they are now constrained, seem likely soon to be much narrowed by the establishment of a chain of posts from near the heads of the Trinity river to the neighborhood of the San Antonio and Neuces rivers. As soon as this is complete it will be nearly impossible for any number of them to approach the settlements without being intercepted and destroyed. Though little can be hoped from making treaties with them, it is believed the measures now being adopted will furnish to the people effectual and adequate security.

The question is asked with earnestness, cannot they be reclaimed, and would not the labors of missionaries among them be productive of great good? Though it is admitted that the influence of the gospel is mighty even to the pulling

down of the strong holds of iniquity, it is believed that till the savage has ceased to be a mere stroller over the face of the desert, the labors of the missionary is likely to be of very little avail. When once the native commences his field, erects his house, and begins to aim at some degree of improvement, there is hope for the success of the missionary, and the advancement of the savage in all that pertains to moral and intellectual culture. Till this is begun, strong doubt exists whether the savage ear will be open to the law that forbids to steal and requires love to all men. It is no doubt exceedingly desirable to the heart of christian philanthropy to reclaim these wanderers of the prairie from their wild and savage courses; and full freely no doubt would many a zealous minister cast his lot among them for their good were the way open, but at present no pleasing prospect of rendering them spiritual aid appears.

This tribe is believed to be quite numerous, but no means of determining with tolerable accuracy their real strength can be devised. Unhappy people! Like the rest of the aborigines of America, they seem destined to annihilation. Incapable of united and skilful action in self-defence or otherwise, and obstinately tenacious of their former wild and savage ignorance, they must melt away before their enemies by inches, being destroyed day by day in detail. Though this may now be called conjecture, a few years will in all probability convert it into history. As went the thousands of natives along the eastern shores of the continent, so even now are departing these western red men, and soon their places will no more be known. Dark in their countenance, and dark in mental vision, still darker seems their destiny.

Looking back upon the past history of this continent, and seeing the extended regions, the sites of mighty empires once the dwellings of the red man, whose race is rapidly becoming extinct; and looking forward to the future when not a trace of these formerly 'countless millions shall be left, will not the

spirit of humanity exclaim, and must it be, that all these multiplied nations must be destroyed and perish for ever! Does the spirit of enlightened christianity demand their doom! Or is it fixed among the decrees of the Almighty that their name and memorial shall be blotted out! From whatever cause it has arisen the effect exists, and the fate of the red man seems written for oblivion. Mourn, however, as we may at the prospect of their entire extinction, who will undertake to arrest the course of events which so clearly indicates their end? What shall be done to avert their utter annihilation? Can any one tell? O that mercy from on high might redeem and save these fast perishing sons of the forest!

FOREIGN RELATIONS.

CHAPTER XX.

Foreign relations of Texas generally favorable.—The war with Mexico at the present time merely nominal.—Considerable trade carried on with that country.—Policy of Texas pacific.—Texas the doorway for the trade of the United States and Mexico.

THE republic of Texas, with the exception of Mexico and a few inconsiderable companies of Indians, is at peace with all the world. Her independence has been formally acknowledged by the United States and France, and her minister recognised by the secretary of state in Great Britain. Diplomatic representatives of the United States and France are now resident at the city of Austin, and a Texian charge de affaires is at Washington city. In any direction or from any source, no indication of any thing but continued peace appears. Whatever clouds seemed for a very short time to dim the prospect of entirely pacific relations with one or two nations, have disappeared, and no cause for controversy can, it is believed, soon arise to produce warlike collision with any of them. All the ports of Europe are open to the vessels and products of the country, and a commercial treaty of the most advantageous character has been lately ratified between Texas and the empire of the French. Nothing in her position, her commerce, her legislation or relative interests is calculated to

induce the least interruption between her and any of the surrounding nations. From all these circumstances and the pacific disposition of her rulers and citizens, Texas has as little cause to fear future wars as any other state or nation.

With Mexico, from whom by her declaration of independence, she became finally and irrevocably separated, the war commenced for liberty still nominally exists. The Mexican government has not recognised the independence of the new republic, nor by a peace made a formal termination of the war. Thus with that one country the political relations of Texas are warlike. Sometimes nations have retained the external forms of peace and amity, while in effect and in all measures except actual bloodshed, there was a real and active state of war, a "war in disguise." Between Mexico and this country this case is reversed, and though nominally at war, no military operations or preparations indicate either present or future battles. By land and sea a considerable trade is carried on between merchants in the two republics, and no attempts are made by the public authorities of either to prevent or restrain it.

It is no part of the policy of the government of Texas to renew the war, or to carry their conquests beyond the present bounds of the country. For more territory they have little occasion, for greater numbers of Mexican subjects they have no desire. To them conquest would be useless or injurious, and victories of no other value than the influence they might have in inducing peace. The Mexicans on their part, whatever their wishes or pride may induce them to pretend, have little prospect of conquering the Texans. The withdrawal of their troops from the centre of the country, would put in hazard the power of its rulers and the form of the government. So many and so powerful are the disaffected to centralism, that it requires the utmost vigilance and exertion to prevent the bursting out of new revolutions. If the authorities have little prospect from active operations against Texas, their

officers and troops have as little disposition to gain laurels by conquering the Anglo-Texians. Indeed it is believed by many that it would be difficult to induce an army of Mexicans to venture an invasion of the republic. So costly have been all their victories, and so bloody and disgraceful their defeats, that few men, officers or soldiers, would willingly expose their lives and reputation in a descent upon Texas.

How little expectation exists in Texas of further hostilities from Mexico, will be easily understood, when it is learned that, by a late act of congress, the whole navy of the country is required to be laid up in ordinary except one or two cutters employed in the custom house department for the better security of the revenue; and the whole military force, consisting of but one single regiment, withdrawn from the Mexican frontier and stationed in a range of posts on the northern border of the country, to prevent and repel the incursions of the savages. Not a single remark or expression by any of the heads of departments, member of congress or other citizen, indicates any more expectation of war with Mexico than if no such nation existed.

From all this it is evident that for all practical purposes the country is in a state of profound peace with all civilized nations, and no prospect of war threatens to change this auspicious state of things.

This state of nominal war cannot probably long continue. The advantages to be derived by both nations from free intercourse, unobstructed trade and mutual interchange of benefits, are too numerous and too palpable to be overlooked or disregarded. Public feeling as well as national interest will compel the authorities of Mexico to listen to proposals of peace. Nor is this prospect founded merely on conjecture. It is asserted that a correspondence of a semi-official character has been carried on by the diplomatic agents of Texas and Mexico at Washington city, having for its object the adjustment of the terms of pacification and commerce between the belligerent

parties. The result of this proceeding, it is confidently hoped, will be a speedy peace with Mexico, and her consequent acknowledgment of the independence of Texas.

Whenever this is done Texas will become the door through which a very large portion of the trade of Mexico and the United States must necessarily pass. Her ports, her merchants and her carriers will receive and transport the goods of New-York, Philadelphia and New Orleans, and equally in return convey back the cochineal and gold of Mexico. For all her bread stuffs and manufactures as well as cotton and sugar, a ready market will be found at home, and the productions of every country will be offered at cheap rates in all her towns. This may be called mere speculation, but it is based upon certain facts the effect of which must equal or surpass the estimated benefits. True, the currency is in a deranged state, and her money depreciated. It is however far better than the currency of the United States was at the close of the revolution, and such arrangements already exist as necessarily must remove this difficulty in a short time. All the political and other evils beyond those incident to all nations and people are temporary, and must soon disappear, while all her advantages are such as may be expected to be as permanent as they are valuable. Shadows as well as lights do indeed appear as spots in her horizon, but like thin morning vapors they will disappear before the brightness of the advancing day.

GENERAL REFLECTIONS.

From a slight examination of a map of the world, the intelligent and philosophical mind can scarcely fail to observe the steady and yet rapid extension of the power, influence and language of our Anglo-Saxon ancestors. Though originally proprietors of merely a part of the island of England proper,

upon a comparatively cold and barren soil, and though when they became proprietors of the whole island they ranked among the smallest of the nations of Europe, and though encircled and isolated by the waters of the Atlantic, they have literally broke forth on the right hand and on the left, and their seed does inherit the gentiles, causing multiplied cities to be inhabited. From those who came out from her as colonies, one vast empire has been formed in the United States. In India another vastly expanded power, rivalling in numbers the most powerful nations of the earth, still remains obedient to the parental sway. The West Indies and Canadas are provinces larger than many ancient kingdoms. New Holland is fast swelling into empire of vast extent and unknown resources. South Africa and a large part of South America, are English dependencies. The South Seas, the Mediterranean, the north-west coast of America and numerous other islands of the ocean use the language of our fathers. Texas though last is not least among the scions from this small but prolific stock. The poet sung beautifully of the places where rest the remains of "England's dead." But why speak alone of them? Where rests not the foot, where speaks not the tongue and breathes not the spirit of England's living sons? What regions have they not traversed, what wilds not pierced, what seas not spanned, and what discoveries not achieved? And still the descendants of Alfred, Canute and Harold are carrying forward the car of empire. In the East the kingdoms of Persia, the Afghans and their allies, yield to England's arms, and the little band of Anglo-Texians have in the West conquered their own independence of the eight millions of the nation of Mexico.

Wherever the banner of these sons of freedom floats and marks the place of the descendants of Anglo-Saxons, there too dwells the government of laws, a system of human rights, and security against the exercise of lawless power. Seek the country trod by the feet of these freemen, and there too is

found the school radiating light to all the people, and there too arises the temple built by voluntary liberality, and consecrated to the service of God, by the unconstrained labors of those who enjoy religious freedom. Liberty, protection, education and intelligence attend the progress of the race in every land. Before their march despotism, religious tyranny, ignorance and lawless power, are ashamed and disappear.

And shall not the spreading and expanding influence of the free principles and pure morality of this favored portion of mankind still continue to increase? Who shall say to these flowing waves as they move forward, "*Hitherto shall ye come and no farther?*" Whatever may be the fate of the men, their principles will prevail more and more, till, like a mantle of light, they shall pervade all nations, and all men feel the blessed results of their operation.

And shall not the independence, the free constitution, wise laws and useful institutions of Texas, accomplish some part of these happy results? When peace shall remove all obstacles to a free intercourse with Mexico, and every city, town and village of that nation, shall be visited by and become the residence of intelligent adventurers from Texas and the United States; and when spite of opposition from priests and bigots, the freedom of religion shall be urged upon the people, and the scriptures distributed and read, will not the people learn something of the value of knowledge, of the advantages of religious freedom, and the hatefulness of priestly domination and exactions? Is there not in the breast of man an instinctive love of liberty, that needs but the torch of intelligence to develope; that as soon as a knowledge of Texian liberty and her deliverance from the power and avarice of the priesthood becomes general, will demand, in accents not to be resisted, a constitution and laws based upon principles like those of their sister republics on the north and east? And can such knowledge be long kept from the people? As well might it be asked, can they forbear to see and hear. They must per

force see and know something of these things, because they will hear them from every American they see, and every Mexican who steps foot in Texas. The progress of such principles too is onward; their course is hastened by every breeze, and expedited by every event. And dark as the prospect may at present seem, Mexico herself shall yet rejoice in the full possession of rational and universal freedom.

And shall the light that shines over Mexico be unseen by the rest of the Hispanio-American states? Can the torch of liberty blaze around them and not dispel the gloom of their dark tyranny? The very morn that shall arise upon emancipated Mexico, shall mark the onward march of freedom through all the regions of superstition in South America.

But in the events connected with the settlement and successful struggles of this people, to establish a republic upon the principles which characterise the government of the United States, the christian philanthropist will trace the operations of that Hand that "*doeth all things well.*" He will discover the beginnings of those events which are to terminate in the wide diffusion of the sacred truth of God, the enlargement of the church of the Redeemer, the deliverance of thousands from the captivity of sin, and the erection of Christ's kingdom upon the demolished ruins of the empire of anti-Christ. Here, but a few years since, Romish idolatry was enjoined by the fundamental law of the land; this law was practically enforced by the priests, it was resisted by a partial law of a single state; but to check this rising of opposition the power of the whole government was concentrated, and with an army of mercenaries the president attempted to coerce the people into submission to all the demands of this dark and iron superstition. This attempt, though resisted by but a little, very little community of freemen, was utterly defeated, and that little community organised into an independent nation. Still, feeble as it was, it is rapidly becoming a strong nation. Wherefore was this done? and by what power save that of

the Lord, was a little state with less than fifty thousand widely scattered inhabitants, enabled successfully to resist the concentrated power of Mexico, led on by its chief magistrate in person? For what purpose was this little company permitted to humble the pride of the bloody Santa Anna? For what end was the arm of the enemy broken and Texas permitted to sustain without opposition her entire independence, and to establish a form of government upon the most perfect model the world has ever seen?

With a map of Texas and Mexico open before him, the christian will perceive that no natural barrier intervenes to prevent the most perfect intercourse between the citizens of the two countries, while the boundary by which they are separated is very extensive. All along the waters of the Rio Grande, from its mouth to its source, there will be a constant intercourse, and constant communication of views, intelligence and thought among the inhabitants. This, nothing on earth can prevent. In this intercourse too, there will of necessity be a communication of more or less religious knowledge. Along this river, as elsewhere, christians will read the scriptures, listen to the word of God, and read it in their families. Here too they will bestow the scriptures upon such Mexicans as desire to read them, without asking leave of the priests. Here the pious will distribute tracts and institute prayer-meetings, and some of the Mexicans will attend them and other places of worship. When these things are done, the natural effects of the gospel will be produced. Some of the Roman Catholics will be converted, and will persuade their friends to read the sacred Word and become acquainted with the Lord. Thus the work will spread, and the saving knowledge of divine truth find an entrance into Mexico, the influence of which will continue to enlarge, till the country shall voluntarily shake off the shackles of Rome, and walk at large in the liberty of truth.

But this is not the only means by which the leaven of the

gospel will be introduced among the benighted, bewildered Mexicans. The influence of civil liberty will cause schools to be established in various places, in which the books and teachers will from time to time disseminate portions of knowledge on religious subjects, as well as others. Here they will hear of the scriptures, and desire to learn for themselves the instructions given by God to his people. Bibles and religious books will find their way into all parts of the country, and some will read them and speak of their contents. The proximity of such nations as Texas and the United States will produce these effects, and the power of the Holy Spirit will follow the labors and prayers of christians for the salvation of this people.

In the achievement of Texian independence and constitutional government, the intelligent christian will see the first entrance of that wedge which shall rend in sunder the structure of Roman superstition in the western world. Small as this first opening may seem, every increase of power, and every political advantage, every thing that brings Texas and her people into view will deepen and enlarge the opening, till light, and liberty, and truth, shall find free entrance into the very heart of that darkened land.

That train of events which, under Providence, regenerates the people of Mexico, will also carry uncontrollable influence into Guatemala and the South American States. True the overthrow of the power of the Man of Sin may not be at once accomplished. He will struggle hard and long before he yields up his prey. In this contest too there may be difficulties, disasters and suffering, but the event is certain. The prophecy has gone forth that the Lord shall destroy this "*Man of Sin by the brightness of his coming.*"

But the wise christian will also discover in these events, that here is a wide field of labor for the cause of righteousness in this young and rising republic. Here the institutions, literary and religious, of the country, are yet to be formed.

Here churches are to be gathered, the light of religious and pious influence to be held out, the young to be instructed, the backsliding reclaimed, and the character of the people and nation to be formed. This is to a great extent to be done before the full gospel influence of the country can be made effectual for the salvation of the Mexicans on their borders.

How shall all these things be accomplished? Can they be so but by the seen and witnessed influence and exertions of God's people? Can Texas be moulded to the form and power of the gospel, while christians keep at a distance and refuse to do her good? Texas it is true wants missionaries, but she equally wants private christians to hold up their preacher's hands, become parts of the public and the salt of the land, and by their example and persuasions illustrate the benefits of religion among mankind. They are needed to sustain sabbath schools, form and lead prayer meetings, circulate christian books, and by their lives and deaths show the power of true religion. They are specially wanted to shew to ignorant and prejudiced Mexicans, how much more blessed is the influence of inbred piety than the dogmas and pardons of their own priests. Here is to be gained blessed conquests of the christian host against infidelity, indifference, ignorance and superstition, and christians are invited to come and share in the victory.

Perhaps no part of the world furnishes a field where the labor of private christians is more needful or more certain of being blessed with success.

HINTS TO EMIGRANTS.

CHAPTER XXI.

Lands plenty and cheap.— Cultivators may all be suited.— Caution required in purchasing land claims from strangers.— Kind of emigrants most needed.— Prices of provisions in 1839-40.— Texas the country for farmers.— Directions to emigrants removing their families, goods, etc.

It is by no means an uncommon circumstance, that travellers and persons moving to a new country, discover that owing to some want of information or mistake even in small matters, they are subjected to much inconvenience if not loss and misfortune. Conceiving that possibly many persons about to start for Texas, may misconceive some things and mistake in others to their vexation or detriment, it is thought advisable to offer to them the following hints and suggestions, by which some at least may receive benefit.

I. The population of every part of the country is thin, and very much land remains unenclosed and unprofitable. Consequently purchasers for ready pay can obtain farms in such places as may suit them at very reasonable prices. In every section of the country good land, well situated and productive, would sell for from three to five dollars except in the immediate vicinity of towns and cities. Be the object of the emigrant what it may, he needs not fear that all the desirable and is out of his reach. The sugar planter may obtain lands

suited to his objects, and the grain grower, by choosing his place farther from the coast, can find land admirably adapted to the culture of bread stuffs. The cotton planter and grazier will find all places except a few gravelly hills suitable for their business. It may in short be said the land is all before them where to choose.

It is proper here to caution the emigrant about purchasing land claims of strangers, especially before he arrives in the country. Vast numbers of claims have been fraudulently obtained from the land commissioners, and still more numerous claims, offered for sale in the United States, are forgeries. A large number of emigrants from Great Britain arrived last winter at Galveston, with their land certificates previously purchased, and found them all entirely worthless. Of the criminality and baseness of the wretches who thus filched from the hands of the industrious poor their earnings, it would be impossible to speak in terms too severe. As however such frauds are common, and as it would be difficult to explain the nature of the differences between good and bad claims, the safe course is to forbear purchases, unless it be of responsible and well known individuals, till after arriving in Texas. Even after arriving here, it may be well for the emigrant to ask counsel of some well skilled friend or of the county surveyor.

II. The kind of persons most needed as emigrants in Texas are the cultivators of the soil, and such mechanics as are most necessary to the farmer's business. It is not intended that others are undesirable or would not be freely welcomed, nor that many of them would not succeed well in several professions. But in the present circumstances of the country, when all the grain which can be reared in it is not sufficient to supply the immediate wants of the settlers and emigrants, producers from the soil, and they whose labors go to aid them in increasing the amount of production, are specially needed.

To this it may be added that no part of the community are

so surely or more liberally repaid for their exertions than the industrious and skilful dressers of the soil. Every article which they can spare meets with a ready market at home or at the nearest town. If a single thing can be said to command a low price it is beef, though this is as high as it usually is in the markets of New England. It would be vain to attempt to describe prices at any of the towns. Chickens were sold last winter in Houston at fifty cents a-piece, eggs fifty cents a dozen, and other things proportionally high. In Austin wild-turkies were sold at five dollars a pair, corn at two dollars a bushel, rice at twenty-five cents per pound. Such too is the rapid influx of population that these prices will not soon be materially diminished. At such prices where all kinds of animals can get their own living, and the soil is abundantly fruitful, the farmer with ordinary industry cannot well fail to thrive. Such indeed is the productiveness of farming labor, that a very large proportion of physicians and lawyers are turning their attention to the cultivation of the earth as more profitable than any other business. This is truly the country for farmers.

III. Men with young families, especially if they have some means with which to make a beginning, can here procure at a comparatively small expense, land enough on which to establish his children as they may want it, and secure to themselves ample range for cattle, and all the comforts which abundance of products in a new country can furnish. It is not to be denied that emigrants who remove to this region will have to meet privations, and suffer the usual inconveniences of a country unsupplied with mechanics, and but begun to be cultivated. Many of the luxuries and comforts of the old states and cities are not obtainable. The garden, orchard, poultry yard, and even the house are to be formed before they can be enjoyed. Turnpikes, rail-roads and stages have not yet become common, and steamboat navigation on the rivers is not yet sufficiently regular and constant to afford

much dependence for travelling or transportation, except at particular seasons.

From these and like causes, the settler will find the forming of an establishment in a new country a business requiring exertion, self-denial and perseverance, but these are less to be dreaded because they are among the surest means of final success and affluence to which men can resort. When life and health are preserved, the results of persevering industry in cultivating the soil are certain competence and prosperity. With the above exceptions in this business there is no risk or hazard whatever. While land is cheap then what inducements are offered to those who would provide homes for their children, to make early arrangements for commencing the foundation of a certain estate that can neither be burned up nor carried off by flood or storm.

IV. When families remove into the country as adventurers, without having previously visited it, they would probably do well to bring with them small establishments of furniture, cooking utensils, farming tools and tents. By doing this they will probably save much expense in tavern bills, and the purchase of many things at exorbitant prices. They may also be prepared at once on finding a location to suit them to commence preparing a house, enclosing fields and the like. By this too they may be prepared to travel in any direction in their own waggons, find their own lodgings, cook their own food, and do it all at little expense. This last is in this country a matter to a new settler of some importance.

In removing from the western and south-western states to Texas by land, it is seldom advisable to bring ox teams, not only because they travel slowly, but also because they may be sold in the states for more than like oxen would cost here. Horses for Texas should be firm and able work horses, which may be profitably used in field labor. These will always command a fair price, and will, if not sold, pay well for their feeding. Good ploughs and other implements of husbandry

are dear and scarce, and emigrants will do wisely to bring with them as many as they conveniently can. Good supplies of plain clothing also will be found desirable, as from various causes they cannot as well be made here.

Emigrants with families going into the interior, when coming by water, would probably do well to bring with them substantial waggons, by which to convey their families and goods into the country. Transportation as has been stated by steamboats for most of the country is precarious and unfrequent, and by land in hired waggons troublesome and expensive. Stages will probably run the ensuing winter between Houston and Austin, but they will necessarily be irregular and their charges enormous. As far as possible emigrants should be prepared to travel in their own conveyance, at their own leisure, and in any direction.

Supplies of provisions, groceries, and the like, should be laid in at suitable places in the states, in order to be conveyed in the cheapest method to the place of destination. All these when purchased in new settlements are exceedingly high, and sometimes not to be obtained. It would be well also for emigrants to start early enough on their route to arrive at their place of residence in November at farthest, so as to avoid the autumnal rains and bad roads. Travelling and transportation become slow and doubly expensive after the winter rains have saturated the earth with moisture.

V. Men of families purposing to remove to this country, when circumstances permit it, would do well to come to the country alone, visit its different parts, select a position and make his purchase of land. Then let him ascertain what the wants of his family will be, and the best and easiest mode of removal, and make such previous preparations as are necessary. This done, he may send for or go after his family, and avoid very many inconveniences and difficulties to which he would otherwise be subjected.

Finally, one of the surest guarantees for success to the emigrant, of whatever business or circumstances, is the entire banishment of ardent spirits from his house and premises. Where these are an allowed guest, no security can be sure to prevent their producing disaster to the man or some part of his household. Entire abstinence alone gives certainty that the insidious poison will never infect one of the favored circle where it is practised. On one side is at least doubt, fear and hazard of evils worse than the pestilence ; on the other peace, confidence, safety and success. By every principle of right, and every feeling of affection, and every hope of good to your children, admit not the instrument of intemperance within the precincts of your home.

T E X A S .

Dear favor'd land !

Thick clustering bounties, flowing o'er thy plains,
 Beauteous as flowers, that grace thy verdant hills,
 Fragrant as odors, breathed from Flora's vale,
 Broad as thy prairies, waving in the breeze,
 Rich as thy soil, in full profusion clothed ;—
 Who filled thy stores with plenty, corn and oil ?
 Who stor'd thy hills with mines and precious ore ?
 Who drew o'er all thy face a map, whose lines
 Are streams and rivers bordered wide with woods ?
 Who clad thy prairies, hills and shady meads
 In verdant robes, embroidered thick with flow'rs
 Whose tints are various as the bow, and fair
 And lovely as the garden's brightest gem
 Of mingled flowers ?

'Twas He, the Saviour, moved by love to man,
 And bent on kindness to these western realms,
 With lavish hand outspread these vales,
 And bade the sun and breeze and waters wide
 Their powers unite to grace thee in their course.

Thus bless'd in soil, in air, and beaming skies,
 In clouds and sunshine ; in the rivers flow,
 In corn and wine, in vale and mountain favor'd ;
 Not less in statesmen grave, in patriots pure,
 And maidens fair and honor'd matrons wise,
 And teachers sage, and holy ministers
 Like seers of old, in purity and fire
 Of sacred love, be thou e'er blest of Heaven,

PRAIRIES OF TEXAS.

By William Cullen Bryant.

THESE are the Gardens of the Desert, these
 The unshorn fields, boundless and beautiful,
 For which the speech of England has no name—
 The PRAIRIES. I behold them for the first,
 And my heart swells, while the dilated sight
 Takes in the encircling vastness. Lo! they stretch
 In airy undulations, far away,
 As if the ocean, in his gentlest swell,
 Stood still, with all his rounded billows fixed,
 And motionless forever.—Motionless?—
 No—they are all unchained again. The clouds
 Sweep over with their shadows, and, beneath,
 The surface rolls and fluctuates to the eye;
 Dark hollows seem to glide along and chase
 The sunny ridges. Breezes of the South!
 Who toss the golden and the flame-like flowers,
 And pass the prairie-hawk that, poised on high,
 Flaps his broad wings, yet moves not—ye have played
 Among the palms of Mexico and vines
 Of TEXAS, and have crisped the limpid brooks
 That from the fountains of Sonora glide
 Into the calm Pacific—have ye fanned
 A nobler and a lovelier scene than this?
 Man hath no part in all this glorious work:
 The hand that built the firmament hath heaved
 And smoothed these verdant swells, and sown their slopes
 With herbage, planted them with island groves.
 And hedged them round with forests. Fitting floor
 For this magnificent temple of the sky—
 With flowers whose glory and whose multitude

Rival the constellations! The great heavens
 Seem to stoop down upon the scene in love,—
 A nearer vault, and of a tenderer blue,
 Than that which bends above the eastern hills.

* * * * *

Still this great solitude is quick with life.
 Myriads of insects, gaudy as the flowers
 They flutter over, gentle quadrupeds,
 And birds, that scarce have learned the fear of man,
 Are here, and sliding reptiles of the ground,
 Startlingly beautiful. The graceful deer
 Bounds to the woods at my approach. The bee,
 A more adventurous colonist than man,
 With whom he came across the eastern deep,
 Fills the savannas with his murmurings,
 And hides his sweets, as in the golden age,
 Within the hollow oak. I listen long
 To his domestic hum, and think I hear
 The sound of that advancing multitude
 Which soon shall fill these deserts. From the ground
 Comes up the laugh of children, the soft voice
 Of maidens, and the sweet solemn hymn
 Of Sabbath worshippers. The low of herds
 Blends with the rustling of the heavy grain
 Over the dark-brown furrows. All at once
 A fresher wind sweeps by, and breaks my dream,
 And I am in the wilderness alone.



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