

Received August 2, 80.

Supervisor's Dist. No. 5

Enumeration Dist. No. 5

## Special Schedules of Manufactures—Nos. 5 and 6.

## LUMBER MILLS AND SAW-MILLS—BRICK YARDS AND TILE WORKS.

Products of Industry in *1280 West St.* in the County of *Alameda*, State of *California*  
 during the twelve months beginning June 1, 1879, and ending May 31, 1880, as enumerated by me.

*J. J. Nolan*

## LUMBER MILLS AND SAW-MILLS.

| NAME OF CORPORATION, COMPANY, OR INDIVIDUAL PRODUCING TO THE VALUE OF \$500 ANNUALLY. | CAPITAL (REAL AND PERSONAL) INVESTED IN THE BUSINESS. | AVERAGE NUMBER OF HANDS EMPLOYED.                                  |                       |                         |                     | WAGES AND HOURS OF LABOR.                     |                  |   |  |   | MONTHS IN OPERATION. |                             |                    |       | SAWS.            |                         |                          |                        | MATERIALS.           |                |                         | PROPER SAW-MILL PRODUCTS.                               |                                    |                              |                              |
|---|---|--|-----------------------|-------------------------|---------------------|---|------------------|---|--|---|----------------------|-----------------------------|--------------------|-------|------------------|-------------------------|--------------------------|------------------------|----------------------|----------------|-------------------------|---|------------------------------------|------------------------------|------------------------------|
|   |   | Greatest number of hands employed at any one time during the year. | Males above 15 years. | Females above 15 years. | Children and youth. | Number of hours in the ordinary day of labor. |                  | Average day's wages for a skilled man in the ordinary day of labor. | Average day's wages for an unskilled man in the ordinary day of labor. | Total amount paid in wages during the year. | On full time.        | On three-quarter time only. | On half time only. | Idle. | Number of gangs. | Number of saws in gang. | Number of circular saws. | Number of double pass. | Number of hand-saws. | Value of logs. | Value of mill supplies. | Total value of all materials (excluding value of logs). | Number of thousand feet of lumber. | Number of thousand shingles. | Number of thousand shingles. |
|   |   |  |                       |                         |                     | May to November.                              | November to May. |   |  |   |                      |                             |                    |       |                  |                         |                          |                        |                      |                |                         |   |                                    |                              |                              |
| 1   | 2   | 3  | 4                     | 5                       | 6                   | 7   | 8                | 9   | 10   | 11  | 12                   | 13                          | 14                 | 15    | 16               | 17                      | 18                       | 19                     | 20                   | 21             | 22                      | 23  | 24                                 | 25                           | 26                           |
| Brum & Co.  | 2000  | 24   | 24                    |                         |                     | 11  | 8                | 125   | 65   | 2280  | 6                    |                             |                    | 6     |                  | 1                       |                          |                        |                      | 7950           | 500                     | 3250  | 100000                             |                              |                              |
| W. H. Hargis  | 1500  | 12   | 12                    |                         |                     | 11  | 8                | 100   | 52   | 8750  | 7                    |                             |                    | 5     |                  | 1                       |                          |                        |                      | 1400           | 120                     | 1500  | 40000                              |                              |                              |

## LUMBER MILLS AND SAW-MILLS—Continued.

| PROPER SAW-MILL PRODUCTS—Continued. |                                     |   |   |                                    | REMANUFACTURES.   |  |  |  |   | POWER USED IN MANUFACTURE.   |  |   |                          |          |       |                  |                         |              |                         |                    |              |  |
|-------------------------------------|-------------------------------------|---|---|------------------------------------|---|--|--|--|---|--|--|---|--------------------------|----------|-------|------------------|-------------------------|--------------|-------------------------|--------------------|--------------|--|
| 27                                  | 28                                  | 29  | 30  | 31                                 | 32  | 33   | 34   | 35   | 36  | 37   | 38   | 39  | IF WATER IS USED.        |          |       |                  |                         |              | IF STEAM-POWER IS USED. |                    |              |  |
|                                     |                                     |   |   |                                    |   |  |  |  |   |  |  |   | 40                       | 41       | 42    | 43               | 44                      | 45           | 46                      | 47                 | 48           |  |
| Number of thousand shingles.        | Number of thousand sets of handles. | Number of thousand feet of balston and good shingles. | Thousands of all products manufactured named. | Total value of all other products. | Do you manufacture any saws, shovs, chains, frames, or other articles? (If yes, describe it.) (If yes, No.) | If yes, give total value of such manufactures. | What other manufactures (exclusive of saws) are manufactured in your mill? | From what region do you procure your logs? | Do you do your own logging? (If no, say.) | If so, what percentage of your logs do you bring in? (If no, say.) | Do you ship your product in car lots? (If not, say.) | (In what river or stream? (See note below.) | Height of fall, in feet. | Number.  | Kind. | Length, in feet. | Revolutions per minute. | Horse-power. | Number of boilers.      | Number of engines. | Horse-power. |  |
|                                     |                                     | 60000<br>32400  |   |                                    |   |  | Mar mill<br>Mar mill   | Log<br>Log                                 | 2/3<br>2/3                                | 70<br>70   | Scammon<br>Bluffton                                  | 9   | 1                        | Hardwood | 8     | 60               | 1/2                     |              | 1                       | 1                  | 30           |  |

## BRICK YARDS AND TILE WORKS.

| NAME OF CORPORATION, COMPANY, OR INDIVIDUAL PRODUCING<br>TO THE VALUE OF \$500 ANNUALLY. | CAPITAL (REAL AND<br>PERSONAL) INVESTED<br>IN THE BUSINESS. | Greatest number of hands employed<br>at any one time during the year. | AVERAGE NUMBER OF<br>HANDS EMPLOYED. |                         | WAGES AND HOURS OF LABOR. |   |                  |   |  |   | MONTHS IN OPERATION. |                             |                    |       | MATERIALS.             |                              |                               |  |
|--|---|---|--------------------------------------|-------------------------|---------------------------|---|------------------|---|--|---|----------------------|-----------------------------|--------------------|-------|------------------------|------------------------------|-------------------------------|--|
|  |   |   | Males above 15 years.                | Females above 15 years. | Children and youth.       | Number of hours<br>in the ordinary<br>day of labor. |                  | Average day's wages for a<br>skilled man. | Average day's wages for an<br>unskilled man. | Total amount paid<br>in wages during<br>the year. | On full time.        | On three-quarter time only. | On half time only. | Idle. | Number of cords fired. | Value of all clear material. | Total value of all materials. |  |
|  |   |   |                                      |                         |                           | May to November.                                    | November to May. |   |  |   |                      |                             |                    |       |                        |                              |                               |  |
| 1  | 2   | 3   | 4                                    | 5                       | 6                         | 7   | 8                | 9   | 10   | 11  | 12                   | 13                          | 14                 | 15    | 16                     | 17                           | 18                            |  |
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## BRICK YARDS AND TILE WORKS—Continued.

| PRODUCTS.                           |                                     |                                     |                |                  |                              |                              |  | POWER USED IN MANUFACTURE. |                         |       |                   |                         |                         |                    |                    |              |
|-------------------------------------|-------------------------------------|-------------------------------------|----------------|------------------|------------------------------|------------------------------|--|----------------------------|-------------------------|-------|-------------------|-------------------------|-------------------------|--------------------|--------------------|--------------|
| Number of kilns used to burn brick. | Number of kilns used to burn brick. | Number of kilns used to burn brick. | Value of tile. | Value of bricks. | Value of all other products. | Total value of all products. | On what river or stream?<br>(See table below.) | Height of fall in feet.    | IF WATER-POWER IS USED. |       |                   |                         | IF STEAM-POWER IS USED. |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            | Number.                 | Kind. | Boilers, in feet. | Boilers per horsepower. | Horse-power.            | Number of boilers. | Number of engines. | Horse-power. |
| 19                                  | 20                                  | 21                                  | 22             | 23               | 24                           | 25                           | 26   | 27                         | 28                      | 29    | 30                | 31                      | 32                      | 33                 | 34                 | 35           |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
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|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |
|                                     |                                     |                                     |                |                  |                              |                              |  |                            |                         |       |                   |                         |                         |                    |                    |              |

Notes.—All the 12 months of the year should be accounted for thus: 12 months on full time; or 8 months on full time and 4 months on half time; or 10 months on full time and two months idle.

The inquiries in respect to the value of material and of product are of prime importance. (First care and judgment should be exercised in making the returns relative thereto.) The cost of superintendence, Rent, Freight of goods to market, and other general expenses of a manufacturing establishment are not to be included in Materials. Mill Supplies and Fuel should be included. The value of the Product, in the case of mills and factories producing for a distant market, means the wholesale price of the goods. In the case of small shops producing goods or doing work for the neighborhood only, the value of the product means the price charged at the shop. Only serviceable boilers and engines are to be reported. POWER USED IN MANUFACTURE.—If the stream is a very small one, mention also the larger stream or river into which it flows. HORSE-POWER.—This is an inquiry of great importance. The best information available should be used in filling these columns.

Special Schedules of Manufactures—Nos. 5 and 6.

De Kruis

De Kruis

1  
2  
3  
4  
5  
6

## LUMBER MILLS AND SAW-MILLS-Continued.

2  
3  
4  
5  
6

**BRICK YARDS AND TILE WORKS.**

|   |
|---|
| 1 |
| 2 |
| 3 |
| 4 |
| 5 |
| 6 |

**BRICK YARDS AND TILE WORKS—Continued.**

|  |   |
|--|---|
|  | 1 |
|  | 2 |
|  | 3 |
|  | 4 |
|  | 5 |
|  | 6 |

Notes.—All the 12 months of the year should be accounted for thus: 12 months on full time; or 8 months on full time and 4 months on half time; or 10 months on full time and two months idle.  
 The inquiries in respect to the values of materials and of product are of prime importance. Great care and judgment should be exercised in making the returns relative thereto.  
 The inquiries in respect to the value of man and of product are of prime importance. Great care and judgment should be exercised in making the returns relative thereto.  
 The value of the product, in the case of mills and factories producing for a distant market, and other general expenses of a manufacturing establishment are not to be included in Materials. Mill Supplies and Fuel should be included.  
 The value of the product, in the case of small shops producing goods for the neighborhood only, the value of the product means the price charged at the shop.  
 POWER USED IN MANUFACTURE.—If the steam is in a very small engine, mention also the larger amount of river into which it flows.  
 Only reasonable balances and equities are to be reported. The best information available should be used in filling these columns.  
 HORSE POWER.—This is an inquiry of great importance.



Page No.

Supervisor's Dist. No.

Enumeration Dist. No.

- (1.) Boot and Shoe Factories.
- (2.) Cheese and Butter Factories.
- (3.) Flouring and Grist Mills.
- (4.) Salt Works.

- (5.) Lumber Mills and Saw Mills  
(6.) Brick Yards and Tile Works.  
(7.) Paper Mills.

- (8.) Coal Mines.  
(9.) Agricultural Implement Works.  
(10.) Quarries.

SCHEDULE 3.—MANUFACTURES.—Products of Industry in Cochran and MacLeod, in the County of Colman, State of Montana, during the twelve months beginning June 1, 1879, and ending May 31, 1880, as enumerated by me.

et officio:

Enumerator

[illegible]

138.—The term "Productive Industry" must be understood, in its largest significance, to include not only all factories and large works, but also the mechanical trades, as blacksmithing, coopering, carpentering, &c. The smallest shop should not be omitted, provided the production reaches \$500 annually, including the cost of materials. Enumerators will take pains to reach all of the productive establishments, large and small, within their several districts.

IN 11.—In many establishments (as carpenter shops, blacksmith shops, &c.) it will be found that no ordinary laborers are employed. In this case column 11 will not be filled.

As 13 to 17.—All the 12 months of the year should be accounted for in one or more of the columns 13 to 17, thus: 12 months on full time; or 8 months on full time and 4 months on half time; or 6 months on full time and 6 months on half time; or 4 months on full time and 8 months on half time; or 3 months on full time and 9 months on half time; or 2 months on full time and 10 months on half time; or 1 month on full time and 11 months on half time; or 12 months on half time. **Great care and judgment should be exercised in making the returns relative thereto,—especially in the case of small shops where book-accounts are not kept.**

(15).—The cost of Superintendence, Rent, Freight of goods to market, and other general expenses of a manufacturing establishment are not to be included in Materials. Mill Supplies and Fuel should be included.

[19.]—The value of the pro-

charged at the shop.

20.—If the stream is a very small one, mention also the larger stream or river into which it flows.

Ns 27 and 28.—Only serviceable boilers and engines are to be reported.

SS 49 and 50.—This is an inquiry of great importance. The last

Supervisor's Dist. No. 5  
 Enumeration Dist. No. 55

## Special Schedules of Manufactures—Nos. 7 and 8.

Registered August 2, 1891

## FLOUR AND GRIST MILLS—CHEESE, BUTTER, AND CONDENSED MILK FACTORIES.

 products of Industry in 4256 & 764 & 511, in the County of DeKalb, State of Georgia  
 during the twelve months beginning June 1, 1879, and ending May 31, 1880, as enumerated by me.

## FLOURING AND GRIST-MILLS.

| FLOURING AND GRAIST-MILLS.  |   |  |                                   |                         |                     |                           |                              |  |   |               |                             |                    |       |                              |  |  |  |   |                            |    |    |    |    |    |    |   |
|---|---|--|-----------------------------------|-------------------------|---------------------|---------------------------|------------------------------|--|---|---------------|-----------------------------|--------------------|-------|------------------------------|--|--|--|---|----------------------------|----|----|----|----|----|----|---|
| NAME OF CORPORATION, COMPANY, OR INDIVIDUAL PROPRIETOR, AND ADDRESS OF THE MANUFACTURE. | CAPITAL (REAL AND PERSONAL) INVESTED IN THE BUSINESS. | Greatest number of hands employed at any one time during the year. | AVERAGE NUMBER OF HANDS EMPLOYED. |                         |                     | WAGES AND HOURS OF LABOR. |                              |  |   |               | MONTHS IN OPERATION.        |                    |       |                              |  | Estimated maximum capacity per day in bushels. | Do you do custom work or make what proportion of your product for the neighborhood? If so, state quantity. | Is there an elevator connected with the mill? If so, state capacity in bushels. | POWER USED IN MANUFACTURE. |    |    |    |    |    |    |   |
|   |   |  | Males above 15 years.             | Females above 15 years. | Children and youth. | Month.                    | Number of days in the month. | Average day's wages for an ordinary day. | Total amount paid in wages during the year. | On full time. | On three-quarter time only. | On half time only. | Idle. | Number of times of starting. | On what river or stream? (See note below.) |  |  |   | IF WATER-POWER IS USED.    |    |    |    |    |    |    |   |
|   |   |  |                                   |                         |                     |                           |                              |  |   |               |                             |                    |       |                              |  |  |  |   | WHEELS.                    |    |    |    |    |    |    |   |
| 1   | 2   | 3  | 4                                 | 5                       | 6                   | 7                         | 8                            | 9  | 10  | 11            | 12                          | 13                 | 14    | 15                           | 16   | 17   | 18   | 19  | 20                         | 21 | 22 | 23 | 24 | 25 | 26 |   |
| Wm. M. Ward   | 500   | 1  | 1                                 |                         |                     | 11                        | 10                           |  | 20  | 175           | 12                          |                    |       | 1                            | 10   | 1/2  |  |   | Bluffton                   | 9  | 1  | 1  | 1  | 1  | 1  | 1 |
| Wm. M. Ward   | 800   | 1  | 1                                 |                         |                     | 11                        | 10                           |  | 60  | 170           | 9                           |                    |       | 1                            | 35   | 1/2  |  |   | Bluffton                   | 8  | 1  | 1  | 1  | 1  | 1  | 1 |
| Wm. M. Ward   | 2000  | 1  | 1                                 |                         |                     | 11                        | 10                           |  | 60  | 200           | 12                          |                    |       | 2                            | 120  | 1/2  |  |   | Bluffton                   | 9  | 2  | 1  | 1  | 1  | 1  | 1 |

## FLOURING AND GRIST-MILLS—Continued.

| NAME OF CORPORATION, COMPANY, OR INDIVIDUAL PROPRIETOR, AND ADDRESS OF THE MANUFACTURE | MATERIALS                  |              |                                  |              |                        | PRODUCTS                     |                                  |                                |                                     |                                 |                               |                          |                            |                             |                             |
|--|----------------------------|--------------|----------------------------------|--------------|------------------------|------------------------------|----------------------------------|--------------------------------|-------------------------------------|---------------------------------|-------------------------------|--------------------------|----------------------------|-----------------------------|-----------------------------|
|  | Number of bushels of wheat | Value        | Number of bushels of other grain | Value        | Value of mill supplies | Total value of all materials | Number of barrels of wheat flour | Number of barrels of rye flour | Number of pounds of buckwheat flour | Number of pounds of barley meal | Number of pounds of corn meal | Number of pounds of feed | Number of pounds of hominy | Value of all other products | Total value of all products |
| 1  | 2                          | 3            | 4                                | 5            | 6                      | 7                            | 8                                | 9                              | 10                                  | 11                              | 12                            | 13                       | 14                         | 15                          | 16                          |
| <u>Wm. M. Ward</u>   | <u>930</u>                 | <u>31</u>    | <u>30</u>                        | <u>15</u>    | <u>34</u>              | <u>45</u>                    | <u>36</u>                        | <u>37</u>                      | <u>38</u>                           | <u>39</u>                       | <u>40</u>                     | <u>41</u>                | <u>42</u>                  | <u>43</u>                   | <u>500</u>                  |
| <u>Wm. M. Ward</u>   | <u>4280</u>                | <u>438</u>   | <u>50</u>                        | <u>235</u>   | <u>25</u>              | <u>2525</u>                  |                                  |                                |                                     |                                 | <u>24000</u>                  |                          |                            |                             | <u>5000</u>                 |
| <u>Wm. M. Ward</u>   | <u>2500</u>                | <u>2500</u>  | <u>25</u>                        | <u>25</u>    | <u>25</u>              | <u>2525</u>                  |                                  |                                |                                     |                                 | <u>14000</u>                  |                          |                            |                             | <u>200</u>                  |
| <u>Wm. M. Ward</u>   | <u>16230</u>               | <u>16230</u> | <u>160</u>                       | <u>10330</u> | <u>910</u>             | <u>910</u>                   |                                  |                                |                                     |                                 | <u>87300</u>                  |                          |                            |                             | <u>1000</u>                 |

## CHEESE FACTORIES: BUTTER FACTORIES: COMBINED BUTTER AND SKIM-CHEESE FACTORIES: CONDENSED MILK FACTORIES.

| CHEESE FACTORIES: BUTTER FACTORIES: COMBINED BUTTER AND CHEESE FACTORIES                                     |  |   |                                  |                        |                    |                                   |                                 |  |                                 |                                       |                                       |  |  |  |   |  |                                |  |                                 |  |                                |    |    |  |   |  |  |  |
|--|--|---|----------------------------------|------------------------|--------------------|-----------------------------------|---------------------------------|--|---------------------------------|---------------------------------------|---------------------------------------|--|--|--|---|--|--------------------------------|--|---------------------------------|--|--------------------------------|----|----|--|---|--|--|--|
| GENERAL INQUIRIES APPLICABLE TO ALL FACTORIES NAMED ABOVE  |  |   |                                  |                        |                    |                                   |                                 |  |                                 |                                       |                                       |  |  |  |   |  |                                |  |                                 |  |                                |    |    |  |   |  |  |  |
| NAME OF CORPORATION, COMPANY, OR INDIVIDUAL PROPRIETOR, AND ADDRESS OF THE MANUFACTURE FOR THE YEAR ANNUALLY | CAPITAL (REAL AND PERSONAL) INVESTED IN THE BUSINESS | Greatest number of hands employed at any one time during the year | AVERAGE NUMBER OF HANDS EMPLOYED |                        |                    | WAGES                             |                                 |  |                                 | Days when manufacturing season opened | Days when manufacturing season closed | Average number of cows fed during the year | Average cost of milk per 100 lbs. at the factory | Total number of pounds of milk used at the factory during the year | INQUIRIES APPLICABLE TO CHEESE FACTORIES ONLY |  |                                |  |                                 |  |                                |    |    |  | INQUIRIES APPLICABLE TO BUTTER FACTORIES ONLY |  |  |  |
|  |  |   | Males above 15 years             | Females above 15 years | Children and youth | Average day's wages for all hands | Average day's wages for milking | Total amount paid in wages during the year | Number of pounds of cheese made |                                       |                                       |  |  |  | Kind of cheese                                | Average number of pounds of cheese per pound of milk | Price per 100 pounds of cheese | Cost of manufacturing per 100 pounds of cheese | Number of pounds of butter made | Average number of pounds of butter per pound of milk | Price per 100 pounds of butter |    |    |  |   |  |  |  |
| 1  | 2  | 3   | 4                                | 5                      | 6                  | 7                                 | 8                               | 9  | 10                              | 11                                    | 12                                    | 13   | 14   | 15   | 16  | 17   | 18                             | 19   | 20                              | 21   | 22                             | 23 | 24 |  |   |  |  |  |
|  |  |   |                                  |                        |                    |                                   |                                 |  |                                 |                                       |                                       |  |  |  |   |  |                                |  |                                 |  |                                |    |    |  |   |  |  |  |

## CHEESE FACTORIES: BUTTER FACTORIES: COMBINED BUTTER AND SKIM-CHEESE FACTORIES: CONDENSED MILK FACTORIES—Continued.

| CHEESE FACTORIES: BUTTER FACTORIES: CONDENSED MILK FACTORIES: ICEBERG FACTORIES: ETC. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | POWER USED IN MANUFACTURE                              |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| INQUIRIES APPLICABLE TO COMBINED BUTTER AND SKIM-CHEESE FACTORIES ONLY.               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | INQUIRIES APPLICABLE TO CONDENSED MILK FACTORIES ONLY. |  |  |  |  |  |  |  |  |  |
| IF WATER-POWER IS USED.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | IF STEAM-POWER IS USED.                                |  |  |  |  |  |  |  |  |  |
| WHEREAS,  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | WHEREAS,   |  |  |  |  |  |  |  |  |  |
| On what river or stream?  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | On what river or stream?                               |  |  |  |  |  |  |  |  |  |
| (See note below.)   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | (See note below.)                                      |  |  |  |  |  |  |  |  |  |
| Height of fall, in feet.  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Height of fall, in feet.                               |  |  |  |  |  |  |  |  |  |
| Number.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Number.  |  |  |  |  |  |  |  |  |  |
| Total.  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Total.   |  |  |  |  |  |  |  |  |  |
| Doubt, in feet.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Doubt, in feet.  |  |  |  |  |  |  |  |  |  |
| Revolutions per minute.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Revolutions per minute.                                |  |  |  |  |  |  |  |  |  |
| Horse power.  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Horse power.   |  |  |  |  |  |  |  |  |  |
| Diameter of boiler.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Diameter of boiler.                                    |  |  |  |  |  |  |  |  |  |
| Number of engines.  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Number of engines.                                     |  |  |  |  |  |  |  |  |  |

NOTES.—All the 12 months of the year should be accounted for: 12 months on full time; or 8 months on full time and 4 months on half time; or 10 months on full time and two months idle.

The inquiry in respect to the value of material and of product are of prime importance. Great care and judgment should be exercised in making the return relative thereto.

The cost of Superintendence, Rent, Freight of goods to market, and other general expenses of a manufacturing establishment are not to be included in Materials. Mill Supplies and Fuel should be included.

The value of the Product, in the case of mills and factories producing for a distant market, means the wholesale price of the goods. In the case of small shops producing goods or doing work for the neighborhood only, the value of the product means the price charged at the shop.

POWER USED IN MANUFACTURE.—If the steam is a very small one, mention also the larger steam or river into which it flows.

Only serviceable boilers and engines are to be reported.

House-power.—This is an inquiry of great importance. The best information available should be used in filling these columns.

## NOTES RELATIVE TO CHEESE AND BUTTER FACTORIES.

- COLUMNS 1 to 15 have reference to all factories of this class, and should be filled for every establishment enumerated.
- COLUMNS 16 to 21 have reference to manufacturers of cheese only.
- COLUMNS 22 to 27 have reference to manufacturers of butter only.
- COLUMNS 28 to 33 have reference to those factories that manufacture both cheese and butter.
- COLUMNS 34 to 40 have reference to manufacturers of condensed milk.



## FLOURING AND GRIST-MILLS

**FLOURING AND GRIST-MILLS—Continued.**

CHEESE FACTORIES: BUTTER FACTORIES: COMBINED BUTTER AND SKIM-CHEESE FACTORIES: CONDENSED MILK FACTORIES.

CHEESE FACTORIES: BUTTER FACTORIES: COMBINED BUTTER AND SKIM-CHEESE FACTORIES: CONDENSED MILK FACTORIES-Continued.

Only one value should be reported.

## NOTES RELATIVE TO CHEESE AND BUTTER FACTORIES.

NOTES RELATIVE TO CHILDREN

**COLUMNS** 1 to 15 have reference to all factories of this class, and 16 to 21 have reference to manufacturers of cheese only.

COLUMNS 16 to 21 have reference to manufacturers of cheese only.  
COLUMNS 22 to 27 have reference to manufacturers of butter only.

COLUMNS 28 to 38 have reference to those factories that manufacture bo

COLUMNS 39 and 40 have reference to manufacturers of condensed milk.

Supervisor's Dist. No. 5 )  
Enumeration Dist. No. 5-4 )

## Special Schedules of Manufactures—Nos. 7 and 8.

FLOUR AND CRIST MILLS—CHEESE, BUTTER, AND CONDENSED MILK FACTORIES.

Products of Industry in Luzerne Co., in the County of Pulaski, State of Penn.  
during the twelve months beginning June 1, 1879, and ending May 31, 1880, as enumerated by me.

Lucius N. Lamar

## FLOURING AND GRIST-MILLS

[illegible]

**FLOURING AND GRIST-MILLS—Continued.**

| MATERIALS.                  |        |                                   |        |                         | PRODUCTS.                     |                                   |                                 |                                       |                                  |                                |                           |                             |                              |                              |
|-----------------------------|--------|-----------------------------------|--------|-------------------------|-------------------------------|-----------------------------------|---------------------------------|---------------------------------------|----------------------------------|--------------------------------|---------------------------|-----------------------------|------------------------------|------------------------------|
| Number of bushels of wheat. | Value. | Number of bushels of other grain. | Value. | Value of mill supplies. | Total value of all materials. | Number of barrels of wheat flour. | Number of barrels of rye flour. | Number of pounds of buck wheat flour. | Number of pounds of barley meal. | Number of pounds of corn meal. | Number of pounds of buck. | Number of pounds of hominy. | Value of all other products. | Total value of all products. |
| 30                          | 31     | 32                                | 33     | 34                      | 35                            | 36                                | 37                              | 38                                    | 39                               | 40                             | 41                        | 42                          | 43                           | 44                           |
| 2125                        | ✓      | 6000                              | 55000  | 8125                    | 82195                         |                                   |                                 |                                       |                                  | 288000                         | 110000                    |                             |                              | 85275                        |

CHEESE FACTORIES: BUTTER FACTORIES: COMBINED BUTTER AND SKIM-CHEESE FACTORIES: CONDENSED MILK FACTORIES.

| GENERAL INQUIRIES APPLICABLE TO ALL FACTORIES NAMED ABOVE.                            |   |  |                                       |                         |                     |                              |   |   |  |    |  |  |   |   | INQUIRIES APPLICABLE TO CHEESE FACTORIES ONLY.               |                                  |                 |  |  | INQUIRIES APPLICABLE TO BUTTER FACTORIES ONLY. |                                 |                             |  |                                    |
|---|---|--|---------------------------------------|-------------------------|---------------------|------------------------------|---|---|--|----|--|--|---|---|--|----------------------------------|-----------------|--|--|--|---------------------------------|-----------------------------|--|------------------------------------|
| NAME OF CORPORATION, COMPANY, OR INDIVIDUAL PRODUCING TO THE VALUE OF \$500 ANNUALLY. | CAPITAL (REAL AND PERSONAL) INVESTED IN THE BUSINESS. | Output of the factory in any one year during the year. | AVERAGE NUMBER OF MACHINERY EMPLOYED. |                         |                     | WAGES.                       |   |   |  |    | Date when manufacturing season opened. | Date when manufacturing season closed. | Average number of new firings made, with during the year. | Average cost of milk per 100 lbs. of butter at the factory during the year. | Weight of culls of milk used at the factory during the year. | Number of pounds of cheese made. | Kind of cheese. | Average number of culls used per pound of cheese produced. | Average number of culls used per pound of butter produced. | Number of pounds of butter.                    | Cost of fermenting per 100 lbs. | Number of pounds of butter. | Average number of culls used per pound of butter produced. | Average price per pound of butter. |
| 1   | 2   | 3  | 4                                     | 5                       | 6                   | 7                            | 8                                       | 9   | 10   | 11 | 12                                     | 13                                     | 14  | 15  | 16   | 17                               | 18              | 19   | 20   | 21   | 22                              | 23                          | 24   | 25                                 |
|   |   |  | Males above 15 years.                 | Females above 15 years. | Children and youth. | Average daily wages for men. | Average daily wages for ordinary labor. | Total amount paid in wages during the year. | Total value of labor employed in the year. |    |  |  |   |   |  |                                  |                 |  |  |  |                                 |                             |  |                                    |

CHEESE FACTORIES: BUTTER FACTORIES: COMBINED BUTTER AND SKIM-CHEESE FACTORIES: CONDENSED MILK FACTORIES-Continued.

[illegible]

**NOTES**—All the 12 months of the year should be accounted for thus: 12 months on full time; or 8 months on full time and 4 months on half time; or 10 months on full time and two months idle.

The inquiries in regard to the value of material and of product are of prime importance. Great care and judgment should be exercised in making the returns relative thereto.

The inquiries in regard to the value of material and of product are of prime importance. Great care and judgment should be exercised in making the returns relative thereto.

In the case of small shops producing goods for the neighborhood only, the value of the product means the price charged at the shop.

**POWER USED IN MANUFACTURE**—If the stream is a very small one, mention also the larger stream or river into which it flows.

Very serviceable boiler and engine are to be reported. The best information available should be used in filling these columns.

This is a matter of great importance.

**NOTES RELATIVE TO CHEESE AND BUTTER FACTORIES.**

NOTES RELATIVE TO COLUMNS

COLUMNS 1 to 15 have reference to all factories of this class, and should be filled for every establishment enumerated.

COLUMNS 16 to 21 have reference to manufacturers of cheese only.

COLUMNS 22 to 27 have reference to manufacturers of butter only.

COLUMNS 28 to 32 have reference to those factories that manufacture both cheese and butter.

COLUMNS 33 to 38 have reference to manufacturers of condensed milk.

COLUMNS 39 and 40 have reference to