

Supervisor's Dist. No. 4
Enumeration Dist. No. 115

Special Schedules of Manufactures—Nos. 7 and 8.

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

Products of Industry in Mooney Twp, in the County of Polk, State of Mo
during the twelve months beginning June 1, 1879, and ending May 31, 1880, as enumerated by me.

L. G. Liller

1	2	3	AVERAGE NUMBER OF HANDS EMPLOYED.			WAGES AND HOURS			
			4	5	6	NUMBER OF HRS. IN THE ORDINARY DAY OF LABOR.		9	10
						7	8		
1	<u>Goodnight & Bro.</u>	<u>\$2000.</u>	<u>8</u>	<u>3</u>		<u>10</u>	<u>10</u>	<u>1.50</u>	<u>8.7</u>
2	<u>J. R. Kuleston Co.</u>	<u>\$1400</u>	<u>3</u>	<u>3</u>		<u>8</u>	<u>8</u>	<u>1.50</u>	<u>8.7</u>

*Tenth Census,
Manufactures.*

POWER USED IN MANUFACTURE.					
IF WATER-POWER IS USED.					
19	20	WHEELS.			
		21	22	23	24
	<u>Pennedstone</u>	<u>6</u>	<u>3</u>	<u>Turbine</u>	<u>27</u>
					<u>100</u>
					<u>20</u>

POWER USED IN MANUFACTURE—Continued.			MATERIALS.	
IF STEAM-POWER IS USED.			30	31
27	28	29	32	33
<u>1</u>	<u>1</u>	<u>2</u>	<u>12000</u>	<u>9000</u>
<u>2</u>	<u>1</u>	<u>36</u>	<u>16640</u>	<u>13312</u>
			<u>12000</u>	<u>3000</u>
			<u>8000</u>	<u>2500</u>

1880.

Missouri.

PRODUCTS.				
34	35	36	37	38
<u>500000</u>	<u>312000</u>			<u>135000</u>
<u>400000</u>	<u>280960</u>			<u>17400</u>

CHEESE FACTORIES: BUTTER FACTORIES:

FACTORIES: CONDENSED MILK FACTORIES.

GENERAL INQUIRIES APPLICABLE					
1	2	3	AVERAGE NUMBER OF HANDS EMPLOYED.		
			4	5	6

INQUIRIES APPLICABLE TO CHEESE FACTORIES ONLY.														
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

INQUIRIES APPLICABLE TO BUTTER FACTORIES ONLY.			
22	23	24	25

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

INQUIRIES APPLICABLE TO BUTTER FACTORIES ONLY—Contd.			INQUIRIES APPLICABLE TO COMBINED BUTTER AND SKIM-CHEESE FACTORIES ONLY.											POWER USED IN MANUFACTURE.										
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50

INQUIRIES APPLICABLE TO COMBINED BUTTER AND SKIM-CHEESE FACTORIES ONLY.										
7	8	9	10	11	12	13	14	15	16	17

POWER USED IN MANUFACTURE.										
IF WATER-POWER IS USED.										
41	42	WHEELS.						48	49	50
		43	44	45	46	47				

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 material and of product are of prime importance. Great 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 cost of Superintendence, 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. The value of the Product.—If the stream is a very small one, mention also the larger stream or river into which it flows. POWER USED IN MANUFACTURE.—If the stream is a very small one, mention also the larger stream or river into which it flows. Only serviceable boilers and engines are to be reported. HORSE-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 38 have reference to those factories that manufacture both cheese and butter.
 COLUMNS 39 and 40 have reference to manufacturers of condensed milk.

L. Johnson

Supervisor's Dist. No. 4
Enumeration Dist. No. 115

Special Section 7 and 8.

FLOUR AND GRIST MILLS—CONDENSED MILK FACTORIES.

Products of Industry in *Mooney*, State of *Mo.*
during the twelve months beginning *1880*, as enumerated by me. *Lyu Liliu*

1	2	AVERAGE NUMBER OF HANDS EMPLOYED				WAGES AND HOURS OF LABOR						MONTHS IN OPERATION				17	18	19	POWER USED IN MANUFACTURE															
		Greatest number of hands employed at any one time during the year.				NUMBER OF HRS. IN THE ORDINARY DAY OF LABOR		AVERAGE DAY'S WAGES FOR A SKILLED MECHANIC		AVERAGE DAY'S WAGES FOR AN ORDINARY LABORER		TOTAL AMOUNT PAID IN WAGES DURING THE YEAR		ON FULL TIME					ON THREE-QUARTER TIME ONLY		ON HALF TIME ONLY		ON IDLE		ESTIMATED MAXIMUM CAPACITY PER DAY, IN BUSHELS		Do you do custom work or make only for a market? If the former, state the market; if the latter, is custom grinding?	Is there an elevator connected with capacity in bushels.	IF WATER-POWER IS USED					
		Males above 16 years.	Females above 16 years.	Children and youth.	May to November.	November to May.	Average day's wages for a skilled mechanic.	Average day's wages for an ordinary laborer.	Total amount paid in wages during the year.	On full time.	On three-quarter time only.	On half time only.	Idle.	Number of runs of stone.	Estimated maximum capacity per day, in bushels.				On what river or stream? (See note below.)	Height of fall, in feet.	Number.	Kind.	Revolutions per minute.	Horse-power.										
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									
1	<i>Goodnight & Bro.</i>	<i>\$2000.</i>	<i>8</i>	<i>3</i>	<i>10</i>	<i>10</i>	<i>150</i>	<i>\$75</i>	<i>\$400</i>	<i>750</i>	<i>10</i>	<i>2</i>	<i>3</i>	<i>200</i>	<i>12 1/2</i>	<i>12 1/2</i>	<i>12 1/2</i>	<i>12 1/2</i>	<i>12 1/2</i>	<i>Pennedstone</i>	<i>6</i>	<i>3</i>	<i>Turbine</i>	<i>270</i>	<i>100</i>	<i>20</i>								
2	<i>J. Richardson Co</i>	<i>\$11400</i>	<i>3</i>	<i>3</i>	<i>8</i>	<i>8</i>	<i>\$150</i>	<i>\$75</i>	<i>750</i>	<i>10</i>		<i>2</i>	<i>2</i>	<i>180</i>																				

FLOURING AND GRIST-MILLS—Continued.

POWER USED IN MANUFACTURE—Continued.		MATERIALS.					PRODUCTS.										
IF STEAM-POWER IS USED.		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 used.	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.	
Number of bushels.	Number of engines.																
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
			<i>12000</i>	<i>\$9000</i>	<i>12000</i>	<i>\$3000</i>	<i>300</i>	<i>\$12300</i>	<i>2000</i>			<i>500000</i>	<i>312000</i>			<i>\$152000</i>	
			<i>16640</i>	<i>13912</i>	<i>\$8000</i>	<i>2500</i>	<i>350</i>	<i>15612</i>	<i>3328</i>			<i>400000</i>	<i>280960</i>			<i>17400</i>	

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.				
1	2	3	AVERAGE NUMBER OF HANDS EMPLOYED			WAGES				11	12	13	14	15	16	17	18	19	20	21	22	23	24
			Males above 16 years.	Females above 16 years.	Children and youth.	Average day's wages for a dairyman.	Average day's wages for ordinary labor.	Total amount paid in wages during the year.	Total value of labor employed in the year.														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1																							
2																							

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

INQUIRIES APPLICABLE TO BUTTER FACTORIES ONLY—Continued.		INQUIRIES APPLICABLE TO COMBINED BUTTER AND SKIM-CHEESE FACTORIES ONLY.						INQUIRIES APPLICABLE TO CONDENSED MILK FACTORIES ONLY.		POWER USED IN MANUFACTURE															
Price per 100 pounds paid for making.	Cost of furnishing per 100 pounds.	Value of buttermilk and skimmed milk sold.	Number of pounds of butter made.	Number of pounds of cheese made.	Average pounds of milk used for each pound of butter produced.	Average pounds of milk used for each pound of cheese produced.	Average price per pound at which butter was sold for the season.	Average price per pound at which cheese was sold for the season.	Price per 100 pounds paid for making butter.	Price per 100 pounds paid for making cheese.	Cost of furnishing per 100 pounds of butter.	Cost of furnishing per 100 pounds of cheese.	Value of buttermilk and skimmed milk sold.	Number of pounds of condensed milk produced.	Value of condensed milk produced.	On what river or stream? (See note below.)	Height of fall, in feet.	Number.	Kind.	Revolutions per minute.	Horse-power.	Number of trailers.	Number of engines.	Horse-power.	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50

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 material and of product are of prime importance. Great 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. POWER USED IN MANUFACTURE.—If the stream is a very small one, mention also the larger stream or river into which it flows. Only serviceable boilers and engines are to be reported. HORSE-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 38 have reference to those factories that manufacture both cheese and butter.
 COLUMNS 39 and 40 have reference to manufacturers of condensed milk.

L. Johnson

Received July 28

Supervisor's Dist. No. 4
Enumeration Dist. No. 114

Special Schedules of Manufactures—Nos. 7 and 8.

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

Products of Industry in Looney Township, in the County of Polk, State of Missouri
during the twelve months beginning June 1, 1879, and ending May 31, 1880, as enumerated by me.

Jno. M. Smith

FLOURING AND GRIST-MILLS.

Table with 26 columns: 1-6 (General info), 7-11 (Wages and hours), 12-16 (Months in operation), 17-19 (Capacity and custom work), 20-26 (Power used in manufacture). Includes handwritten entry for 'Walter's Mill'.

FLOURING AND GRIST-MILLS—Continued.

Table with 16 columns: 27-29 (Steam power), 30-34 (Materials), 35-44 (Products). Includes handwritten entries for various flour and product values.

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

Table with 24 columns: 1-10 (General inquiries), 11-15 (Inquiries for cheese), 16-24 (Inquiries for butter). Includes handwritten entries for various factory metrics.

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

Table with 27 columns: 25-27 (Inquiries for condensed milk), 28-38 (Inquiries for combined butter and skim-cheese), 39-40 (Inquiries for condensed milk), 41-50 (Power used in manufacture). Includes handwritten entries for various factory metrics.

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 material and of product are of prime importance. Great 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. POWER USED IN MANUFACTURE.—If the stream is a very small one, mention also the larger stream or river into which it flows. Only serviceable boilers and engines are to be reported. HORSE-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 38 have reference to those factories that manufacture both cheese and butter. COLUMNS 39 and 40 have reference to manufacturers of condensed milk.

20. Johnson

Received July 19, 1880.

Supervisor's Dist. No. 4
Enumeration Dist. No. 113

Special Schedules of Manufactures—Nos. 7 and 8.

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

Products of Industry in Jackson, P.P., in the County of Polk, State of Missouri during the twelve months beginning June 1, 1879, and ending May 31, 1880, as enumerated by me.

A. J. Early

FLOURING AND GRIST-MILLS.

Table with 26 columns: 1. NAME OF CORPORATION, COMPANY, OR INDIVIDUAL PRODUCING TO THE VALUE OF \$500 ANNUALLY. 2. CAPITAL (REAL AND PERSONAL) INVESTED IN THE BUSINESS. 3. Greatest number of hands employed at any one time during the year. 4-6. AVERAGE NUMBER OF HANDS EMPLOYED (Males above 16 years, Females above 15 years, Children and youth). 7-11. WAGES AND HOURS OF LABOR (NUMBER OF HRS. IN THE ORDINARY DAY OF LABOR, Average day's wages for a skilled mechanic, Average day's wages for an ordinary laborer, Total amount paid in wages during the year). 12-16. MONTHS IN OPERATION (On full time, On three-quarter time only, On half time only, Idle, Number of runs of stone). 17. Estimated maximum capacity per day in bushels. 18. Do you do custom work or make any other product? If so, what proportion of your product is custom grinding? 19. Is there an elevator connected with your establishment? If so, state capacity in bushels. 20. On what river or stream? (See note below.) 21-26. POWER USED IN MANUFACTURE (IF WATER-POWER IS USED: Height of fall, in feet, Number, Kind, Breadth, in feet, Revolutions per minute, Horse-power; IF STEAM-POWER IS USED: Number of boilers, Number of engines, Horse-power).

FLOURING AND GRIST-MILLS—Continued.

Table with 16 columns: 27-30. POWER USED IN MANUFACTURE (IF STEAM-POWER IS USED: Number of boilers, Number of engines, Horse-power). 31-35. MATERIALS (Number of bushels of wheat, Value, Number of bushels of other grain, Value, Value of mill supplies, Total value of all materials). 36-40. PRODUCTS (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 food, Number of pounds of laundry, Value of all other products, Total value of all products).

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

GENERAL INQUIRIES APPLICABLE TO ALL FACTORIES NAMED ABOVE.

Table with 24 columns: 1-6. NAME OF CORPORATION, COMPANY, OR INDIVIDUAL PRODUCING TO THE VALUE OF \$500 ANNUALLY. 7-10. CAPITAL (REAL AND PERSONAL) INVESTED IN THE BUSINESS. 11-15. AVERAGE NUMBER OF HANDS EMPLOYED (Males above 16 years, Females above 15 years, Children and youth, Average day's wages for a skilled mechanic, Average day's wages for an ordinary laborer, Total amount paid in wages during the year, Total value of labor employed in the year). 16-21. INQUIRIES APPLICABLE TO CHEESE FACTORIES ONLY (Date when manufactory season opened, Date when manufactory season closed, Average number of cows furnishing milk during the year 1879, Average cost of milk per 100 lbs. if bought at the factory, Total number of pounds of milk used at the factory during the year, Number of pounds of cheese made, Kinds of cheese, Average pounds of milk used per pound of cheese produced, Average price per pound at which cheese was sold for the season, Price per 100 pounds paid for making, Cost of furnishing per 100 pounds). 22-24. INQUIRIES APPLICABLE TO BUTTER FACTORIES ONLY (Number of pounds of butter made, Average pounds of milk used per pound of butter produced, Average price per pound at which butter was sold for the season).

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

Table with 20 columns: 25-27. INQUIRIES APPLICABLE TO BUTTER FACTORIES ONLY (Price per 100 pounds paid for making, Cost of furnishing per 100 pounds, Value of buttermilk and skimmed milk sold). 28-38. INQUIRIES APPLICABLE TO COMBINED BUTTER AND SKIM-CHEESE FACTORIES ONLY (Number of pounds of butter made, Number of pounds of cheese made, Average pounds of milk used per pound of butter produced, Average pounds of milk used per pound of cheese produced, Average price per pound at which butter was sold for the season, Average price per pound at which cheese was sold for the season, Price per 100 pounds paid for making butter, Price per 100 pounds paid for making cheese, Cost of furnishing per 100 pounds of butter, Cost of furnishing per 100 pounds of cheese, Value of buttermilk and skimmed milk sold). 39-40. INQUIRIES APPLICABLE TO CONDENSED MILK FACTORIES ONLY (Number of pounds of condensed milk produced, Value of condensed milk produced). 41-50. POWER USED IN MANUFACTURE (IF WATER-POWER IS USED: On what river or stream? (See note below.), Height of fall, in feet, Number, Kind, Breadth, in feet, Revolutions per minute, Horse-power; IF STEAM-POWER IS USED: Number of boilers, Number of engines, Horse-power).

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 material and of product are of prime importance. Great 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. POWER USED IN MANUFACTURE.—If the stream is a very small one, mention also the larger stream or river into which it flows. 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. HORSE-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 38 have reference to those factories that manufacture both cheese and butter. COLUMNS 39 and 40 have reference to manufacturers of condensed milk.

24 Johnson

Supervisor's Dist. No. 4
 Enumeration Dist. No. 112

Special Schedules of Manufactures—Nos. 7 and 8. Received July 19, 1880.

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

Products of Industry in _____, in the County of Pell, State of N.Y.
 during the twelve months beginning June 1, 1879, and ending May 31, 1880, as enumerated by me
Wm. J. Evans

FLOURING AND CRIST-MILLS.

NAME OF CORPORATION, COMPANY, OR INDIVIDUAL PRODUCING TO THE VALUE OF \$500 ANNUALLY.	CAPITAL (REAL AND PERSONAL) INVESTED IN THE BUSINESS.	Greater 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, the custom work, or make any other product? If so, what is the proportion of your product is custom grinding?	Is there an elevator connected with your establishment? If so, state capacity in bushels.	POWER USED IN MANUFACTURE.					
			Males above 16 years.		Females above 16 years.		Children and youth.		Total amount paid in wages during the year.			On full time.			On three-quarter time only.	On half time only.	Idle.				On what river or stream? (See note below.)	IF WATER-POWER IS USED.				
			Males above 16 years.	Females above 16 years.	Children and youth.	May to November.	November to May.	Average day's wages for a skilled mechanic.	Average day's wages for an ordinary laborer.	Total amount paid in wages during the year.	On full time.	On three-quarter time only.	On half time only.	Idle.	Number of runs of stone.	Height of fall, in feet.	Number.					Kind.	Breadth, in feet.	Revolutions per minute.	Horse-power.	
1 <u>Shagle, Thomas &</u>	2 <u>3000</u>	3 <u>4</u>	4 <u>2</u>	5 <u>—</u>	6 <u>—</u>	7 <u>10</u>	8 <u>10</u>	9 <u>1.00</u>	10 <u>4.00</u>	11 <u>—</u>	12 <u>10</u>	13 <u>—</u>	14 <u>—</u>	15 <u>2</u>	16 <u>2</u>	17 <u>300</u>	18 <u>custom</u>	19 <u>no</u>	20 <u>Sac River</u>	21 <u>—</u>	22 <u>—</u>	23 <u>—</u>	24 <u>—</u>	25 <u>—</u>	26 <u>—</u>	

FLOURING AND CRIST-MILLS—Continued.

POWER USED IN MANUFACTURE—Continued.			MATERIALS.							PRODUCTS.									
IF STEAM-POWER IS USED.			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 feed.	Number of pounds of hominy.	Value of all other products.	Total value of all products.		
Number of boilers.	Number of engines.	Horse-power.																	
37 <u>1</u>	38 <u>1</u>	39 <u>—</u>	30 <u>15000</u>	31 <u>\$12000</u>	32 <u>20000</u>	33 <u>\$6000</u>	34 <u>100</u>	35 <u>\$18000</u>	36 <u>3000</u>	37 <u>—</u>	38 <u>—</u>	39 <u>600000</u>	40 <u>600000</u>	41 <u>250000</u>	42 <u>—</u>	43 <u>—</u>	44 <u>21650</u>		

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

NAME OF CORPORATION, COMPANY, OR INDIVIDUAL PRODUCING TO THE VALUE OF \$500 ANNUALLY.	CAPITAL (REAL AND PERSONAL) INVESTED IN THE BUSINESS.	Greater number of hands employed at any one time during the year.	AVERAGE NUMBER OF HANDS EMPLOYED.						WAGES.					INQUIRIES APPLICABLE TO CHEESE FACTORIES ONLY.					INQUIRIES APPLICABLE TO BUTTER FACTORIES ONLY.										
			Males above 16 years.		Females above 16 years.		Children and youth.		Total amount paid in wages during the year.			Total value of labor employed in the year.		Date when manufacturing season opened.	Date when manufacturing season ended.	Average number of cows furnished during the year 1879.	Average cost of milk, per 100 lbs., if bought at the factory.	Total number of pounds of cheese manufactured during the year.	Number of pounds of cheese made.	Kind of cheese.	Average pounds of milk used per pound of cheese produced.	Average price per pound at which cheese was sold for the season.	Price per 100 pounds paid for making.	Cost of furnishing per 100 pounds.	Number of pounds of butter made.	Average pounds of milk used per pound of butter produced.	Average price per pound at which butter was sold for the season.	Average price per 100 pounds paid for making.	
			Males above 16 years.	Females above 16 years.	Children and youth.	Average day's wages for a dairyman.	Average day's wages for ordinary labor.	Total amount paid in wages during the year.	Total value of labor employed in the year.	Date when manufacturing season opened.	Date when manufacturing season ended.	Average number of cows furnished during the year 1879.	Average cost of milk, per 100 lbs., if bought at the factory.	Total number of pounds of cheese manufactured during the year.	Number of pounds of cheese made.	Kind of cheese.	Average pounds of milk used per pound of cheese produced.	Average price per pound at which cheese was sold for the season.	Price per 100 pounds paid for making.	Cost of furnishing per 100 pounds.	Number of pounds of butter made.	Average pounds of milk used per pound of butter produced.	Average price per pound at which butter was sold for the season.	Average price per 100 pounds paid for making.					
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	27	28	29	30

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

INQUIRIES APPLICABLE TO BUTTER FACTORIES ONLY—Contd.			INQUIRIES APPLICABLE TO COMBINED BUTTER AND SKIM-CHEESE FACTORIES ONLY.										INQUIRIES APPLICABLE TO CONDENSED MILK FACTORIES ONLY.		POWER USED IN MANUFACTURE.														
Price per 100 pounds paid for making.	Cost of furnishing per 100 pounds.	Value of butter and skimmed milk sold.	Number of pounds of butter made.	Number of pounds of cheese made.	Average pounds of milk used per pound of butter produced.	Average pounds of milk used per pound of cheese produced.	Average price per pound at which butter was sold for the season.	Average price per pound at which cheese was sold for the season.	Price per 100 pounds paid for making butter.	Price per 100 pounds paid for making cheese.	Cost of furnishing per 100 pounds of butter.	Cost of furnishing per 100 pounds of cheese.	Value of butter and skimmed milk sold.	Number of pounds of condensed milk produced.	Value of condensed milk produced.	On what river or stream? (See note below.)	IF WATER-POWER IS USED.					IF STEAM-POWER IS USED.							
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		41	42	43	44	45	46	47	48	49	50			

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 material and of product are of prime importance. Great 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. POWER USED IN MANUFACTURE.—If the stream is a very small one, mention also the larger stream or river into which it flows. Only serviceable boilers and engines are to be reported. HORSE-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 and 40 have reference to manufacturers of condensed milk.

Wm. J. Evans

Supervisor's Dist. No. 4
Enumeration Dist. No. 111

Special Schedules of Manufactures—Nos. 7 and 8.

Revised August 2, 1880.

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

Products of Industry in Johnson Townships in the County of Polk, State of Missouri during the twelve months beginning June 1, 1879, and ending May 31, 1880, as enumerated by me.

Geo. W. Williams

FLOURING AND GRIST-MILLS.

Table with 26 columns: 1. NAME OF CORPORATION, COMPANY, OR INDIVIDUAL PRODUCING TO THE VALUE OF \$500 ANNUALLY. 2. CAPITAL (REAL AND PERSONAL) INVESTED IN THE BUSINESS. 3. Greatest number of hands employed at any one time during the year. 4-6. AVERAGE NUMBER OF HANDS EMPLOYED (Males above 16 years, Females above 15 years, Children and youth). 7-11. WAGES AND HOURS OF LABOR (Average day's wages for a skilled mechanic, Average day's wages for an ordinary laborer, Total amount paid in wages during the year). 12-15. MONTHS IN OPERATION (On full time, On three-quarter time only, On half time only, Idle). 16. Number of runs of stone. 17. Estimated maximum capacity per day in bushels. 18. Do you do custom work or make only for a market? 19. Is there a flour connected with your establishment? 20. POWER USED IN MANUFACTURE (On what river or stream?). 21-26. WHEELS (Height of fall, Number, Kind, Breadth, Revolutions per minute, Horse-power).

FLOURING AND GRIST-MILLS—Continued.

Table with 16 columns: 27-29. POWER USED IN MANUFACTURE (Number of boilers, Number of engines, Horse-power). 30-35. MATERIALS (Number and Value of bushels of wheat, Number and Value of bushels of other grain, Value of mill supplies, Total value of all materials). 36-44. PRODUCTS (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 feed, Number of pounds of hominy, Value of all other products, Total value of all products).

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

GENERAL INQUIRIES APPLICABLE TO ALL FACTORIES NAMED ABOVE.

Table with 24 columns: 1-6. NAME OF CORPORATION, COMPANY, OR INDIVIDUAL PRODUCING TO THE VALUE OF \$500 ANNUALLY. 7-10. CAPITAL (REAL AND PERSONAL) INVESTED IN THE BUSINESS. 11-15. AVERAGE NUMBER OF HANDS EMPLOYED (Males above 16 years, Females above 15 years, Children and youth). 16-20. WAGES (Average day's wages for a dairyman, Average day's wages for ordinary labor, Total amount paid in wages during the year, Total value of labor employed in the year). 21-24. INQUIRIES APPLICABLE TO CHEESE FACTORIES ONLY (Date when manufacturing season opened, Date when manufacturing season ended, Average number of cows furnished with milk during the year, Average cost of milk per 100 lbs., Total number of pounds of milk produced during the year). 25-28. INQUIRIES APPLICABLE TO BUTTER FACTORIES ONLY (Number of pounds of cheese made, Kind of cheese, Average pounds of milk used per pound of butter produced, Average price per pound at which cheese was sold for the season, Price per 100 pounds paid for making). 29-32. INQUIRIES APPLICABLE TO COMBINED BUTTER AND SKIM-CHEESE FACTORIES ONLY (Number of pounds of butter made, Number of pounds of cheese made, Average pounds of milk used per pound of butter produced, Average price per pound at which cheese was sold for the season, Price per 100 pounds paid for making). 33-37. INQUIRIES APPLICABLE TO CONDENSED MILK FACTORIES ONLY (Price per 100 pounds paid for making, Cost of furnishing per 100 pounds of butter, Cost of furnishing per 100 pounds of cheese, Value of butter and skimmed milk sold, Number of pounds of condensed milk produced, Value of condensed milk produced).

No Cheese or Butter factory

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

Table with 25 columns: 38-40. INQUIRIES APPLICABLE TO COMBINED BUTTER AND SKIM-CHEESE FACTORIES ONLY (Average price per pound at which butter was sold for the season, Average price per pound at which cheese was sold for the season, Price per 100 pounds paid for making). 41-44. INQUIRIES APPLICABLE TO CONDENSED MILK FACTORIES ONLY (Price per 100 pounds paid for making, Cost of furnishing per 100 pounds of butter, Cost of furnishing per 100 pounds of cheese, Value of butter and skimmed milk sold, Number of pounds of condensed milk produced, Value of condensed milk produced). 45-50. POWER USED IN MANUFACTURE (On what river or stream?, Height of fall, Number, Kind, Breadth, Revolutions per minute, Horse-power, Number of boilers, Number of engines, Horse-power).

in this Township

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 material and of product are of prime importance. Great 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. POWER USED IN MANUFACTURE.—If the stream is a very small one, mention also the larger stream or river into which it flows. 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. HORSE-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 38 have reference to those factories that manufacture both cheese and butter. COLUMNS 39 and 40 have reference to manufacturers of condensed milk.

25 Johnson

Supervisor's Dist. No. H
Enumeration Dist. No. 117

Special Schedules of Manufactures—Nos. 7 and 8.

Received July 28, 1880.

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

Products of Industry in Polwar, in the County of Polk, State of Missouri
during the twelve months beginning June 1, 1879, and ending May 31, 1880, as enumerated by me.

P M Burns

FLOURING AND GRIST-MILLS.

Table with 20 columns: 1. NAME OF CORPORATION, COMPANY, OR INDIVIDUAL PRODUCING TO THE VALUE OF \$500 ANNUALLY. 2. CAPITAL (REAL AND PERSONAL) INVESTED IN THE BUSINESS. 3. GREATEST NUMBER OF HANDS EMPLOYED AT ANY ONE TIME DURING THE YEAR. 4-6. AVERAGE NUMBER OF HANDS EMPLOYED (Males above 15 years, Females above 15 years, Children and youth). 7-11. WAGES AND HOURS OF LABOR (NUMBER OF HRS. IN THE ORDINARY DAY OF LABOR, Average day's wages for a skilled mechanic, Average day's wages for an ordinary laborer, Total amount paid in wages during the year). 12-16. MONTHS IN OPERATION (On full time, On three-quarter time only, On half time only, Idle, Number of runs of stone). 17. ESTIMATED MAXIMUM CAPACITY PER DAY IN BUSHELS. 18. Do you do custom work or make only for market? If the former, is custom grinding? 19. Is there an elevator connected with your establishment? If so, what capacity in bushels. 20. POWER USED IN MANUFACTURE (IF WATER-POWER IS USED: On what river or stream, Height of fall in feet, Number, Kind, Breadth in feet, Revolutions per minute, Horse-power).

FLOURING AND GRIST-MILLS—Continued.

Table with 16 columns: 27. IF STEAM-POWER IS USED (Number of boilers, Number of engines, Horse-power). 28-31. MATERIALS (Number of bushels of wheat, Value, Number of bushels of other grain, Value). 32-35. PRODUCTS (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 feed, Number of tons of hominy, Value of all other products, Total value of all products).

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

GENERAL INQUIRIES APPLICABLE TO ALL FACTORIES NAMED ABOVE.

Table with 24 columns: 1. NAME OF CORPORATION, COMPANY, OR INDIVIDUAL PRODUCING TO THE VALUE OF \$500 ANNUALLY. 2. CAPITAL (REAL AND PERSONAL) INVESTED IN THE BUSINESS. 3. GREATEST NUMBER OF HANDS EMPLOYED AT ANY ONE TIME DURING THE YEAR. 4-6. AVERAGE NUMBER OF HANDS EMPLOYED (Males above 15 years, Females above 15 years, Children and youth). 7-10. WAGES (Average day's wages for a day laborer, Average day's wages for ordinary labor, Total amount paid in wages during the year, Total value of labor employed in the year). 11. Date when manufacturing season opened. 12. Date when manufacturing season ended. 13. Average number of cows finishing milk during the year. 14. Average cost of milk per 100 lbs. if bought at the factory. 15. Total number of pounds of milk used at the factory during the year. 16. Number of pounds of cheese made. 17. Kinds of cheese. 18. Average pounds of milk used per pound of cheese produced. 19. Average price per pound at which cheese was sold for the season. 20. Price per 100 pounds paid for making. 21. Cost of furnishing per 100 pounds. 22. Number of pounds of butter made. 23. Average pounds of milk used per pound of butter produced. 24. Average price per pound at which butter was sold for the season.

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

Table with 25 columns: 25. Price per 100 pounds paid for making. 26. Cost of furnishing per 100 pounds. 27. Value of buttermilk and skimmed milk sold. 28. Number of pounds of butter made. 29. Number of pounds of cheese made. 30. Average pounds of milk used per pound of butter produced. 31. Average pounds of milk used per pound of cheese produced. 32. Average price per pound at which butter was sold for the season. 33. Average price per pound at which cheese was sold for the season. 34. Price per 100 pounds paid for making butter. 35. Price per 100 pounds paid for making cheese. 36. Cost of furnishing per 100 pounds of butter. 37. Cost of furnishing per 100 pounds of cheese. 38. Value of buttermilk and skimmed milk sold. 39. Number of pounds of condensed milk produced. 40. Value of condensed milk produced. 41. On what river or stream? (See note below). 42. Height of fall in feet. 43. Number. 44. Kind. 45. Breadth in feet. 46. Revolutions per minute. 47. Horse-power. 48. Number of boilers. 49. Number of engines. 50. Horse-power.

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 material and of product are of prime importance. Great 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. POWER USED IN MANUFACTURE.—If the stream is a very small one, mention also the larger stream or river into which it flows. Only serviceable boilers and engines are to be reported. HORSE-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 38 have reference to those factories that manufacture both cheese and butter. COLUMNS 39 and 40 have reference to manufacturers of condensed milk.

24 Johnson