



TILLAMOOK, OREGON, FEBRUARY 19, 1920.

TILLAMOOK PRODUCED 6,091,259 lbs. CHEESE. 53,522,289 lbs. Milk, Valued at \$2,007,475.

Notwithstanding the scarcity of labor caused by the absence of many Tillamook young men, who were not discharged from the army and navy until the middle of the year, there was an increase of 20 per cent in production of the famous Tillamook cheese in 1919. Had all other farm and agriculture products increased in like proportion throughout the country, the much mooted problem of the high cost of living would have been materially solved.

Last year, Tillamook county produced 53,522,289 pounds of milk, which, when manufactured made 6,091,259 pounds of cheese. This, including the whey cream, and whey butter, sold for \$2,007,475.80. The corresponding figures for 1918 were: 45,100,158 pounds of milk; 5,036,900 pounds of cheese; receipts, \$1,228,218.37. Therefore 1919's gain over 1918 is 8,422,131 pounds of milk, 1,054,357 pounds of cheese, and in receipts \$679,257.33. In 1918 the average price paid for 100 lbs. of milk was \$2.66, and that paid for cheese was 25.25 cents, while in 1919 cheese brought 32.4 cents per pound, and 100 pounds of milk netted farmers \$3.31.

Back of these cut and dried figures is a story that is unique in the annals of these labor-troubled times. The Tillamook County Creamery Association could not have accomplished this greater production had there not been splendid team work between the various workers in these organizations. Employer and employed worked as a unit, mutual interests centered in a common goal. When the United States was at war and there was urgent demand for increased production, the dairymen of Tillamook County failed to take advantage of the fashionable custom of striking, established by their fellow workers in the big cities. They asked for no eight-hour day or wages not commensurate with their value and usefulness. Rather than spend their day in threatening and drawing up petitions and resolutions, they preferred to keep their hands instead of their tongues busy. And by dint of hard work and long hours (Sundays included) they achieved the desired improvement of twenty per cent in the output of their product. Tillamook County dairymen, without complaint, responded to the demands of the government with sincere endeavor, and the remarkable increase in milk and cheese is a fitting tribute to their patriotism during a national crisis.

Tillamook Creamery Heads List Again.

Again the Tillamook Creamery heads the list with a record of 6,117,821 lbs. of milk, and 719,683 lbs. of cheese. Maple Leaf runs a close second, with 5,675,817 lbs. of milk and 676,929 lbs. of cheese. Both these factories show improvement over the previous year. The receipts of the Tillamook Creamery surpassed the Maple Leaf by \$13,167.34 in 1918, and last year by \$13,175. The Holstein Creamery retaining its former position on the list as third, made a very creditable showing, having manufactured 335,627 lbs. in 1918, and in 1919, 580,773 lbs. South Prairie Creamery remains at fourth place; Red Clover has forged ahead from seventh place to fifth, crowding Fairview Dairy Association back into seventh.

The Yield.

To the co-operation of the dairymen and the cheesemakers is due the fact that last year's yield was higher than in any previous year in the history of the cheese industry in the county. The average yield per 100 lbs. of milk was 11.38 pounds of cheese.

Whey Cream and Whey Butter.

There are eleven creameries equipped with separators, that save the surplus butter fat which otherwise goes into the whey. The whey cream sold for \$32,305.12 and whey butter for \$2,506.68, a total of \$34,811.70. The reports of these sales from the individual factories are:

South Prairie Creamery... \$3,402.52
The Tillamook Creamery... \$2,213.31
Maple Leaf Creamery... 5,321.70
Holstein Creamery... 5,460.07
Red Clover Creamery... 3,118.43
Fairview Dairy Ass'n... 3,134.16
Three Rivers Creamery... 2,905.01
Long Prairie Creamery... 2,173.50
Clover Leaf Creamery... 1,137.55
Beaver Creamery Ass'n... 638.33
Elwood Creamery Co... 1,288.22

Eight Factories Produce 100 Percent High Grade Cheese.

The report of Inspector F. W. Christensen reveals some commendable facts, one of which is very encouraging to the consumer as well as to the producer. During the year, 234,889 triplets, 23,255 Young Americans and 17,179 long horns were manufactured. Eight factories making one half the cheese in the county, produced nothing but 100 per cent high grade cheese. Mr. Christensen reports that "over two thirds of the seconds were made in five factories. Five makers had less than 200, seven less than 100, and eight had no seconds for the year. These eight makers made over one half of the triplets, two-fifths of the Y. A.'s and

three fourths of the long horns or equal to 5700 triplets, over half of all cheese made in the county. This shows interest and well directed energy and it is going to be hard to beat, showing that with proper team work it is possible to eliminate this off-grade cheese."

Mr. Christensen inspects and grades all the cheese manufactured in the county, and it is largely due to his long years of experience, his superior standards, and sincere efforts that there has been a notable and constant betterment of the quality of Tillamook cheese. The negligence of the dairymen or the carelessness of the cheesemakers usually results in a poor grade of cheese, and while the inspector might not be able to detect the defects, Mr. Christensen's training in this line enables him to judge accurately the grades that are not deserving of his stamp of approval. Those that fall short are sold as seconds, and as this makes a difference of six cents per pound in the value of the cheese, it is a loss to the dairymen. By this system, the public is thereby protected from paying fancy prices for a poor article.

Dairy Cows and Dairy Farms.

To insure strict sanitation in the production of Tillamook cheese, D. R. Tinnerstet, deputy state dairy and food commissioner, visits the dairy farms and inspects their barns and milk houses. His report states that there are 13,280 dairy cows and 682 dairy farms in the county. He has classified them according to their hygienic condition, the average score highest 91.2 and the lowest 27.4. Mr. Tinnerstet's tests are thorough and severe, and as commissioner he has power to condemn any building, fence or system of plumbing connected with the dairy farm, that is detrimental to the welfare of the cow or the production of pure milk. He concludes his interesting report by saying: "The dairymen of Tillamook county deserve to be commended on the reputation they have made and hold as clean, careful dairymen. Let us still continue to improve conditions in and around the dairy, so that every pound of milk that is delivered at the factory is exactly what the cheesemaker is looking for to make a No. 1 cheese. A good slogan for every dairymen and cheesemaker to adopt this coming year is, 'No seconds or No. 2 cheese in 1920.'"

Mr. Tinnerstet co-operates with Dr. E. L. Glaisyer, the county veterinarian, who tests every dairy herd in Tillamook county, and has eliminated all cows suffering from tuberculosis. The state veterinarian has issued a proclamation prohibiting the shipping of cattle until they have been tested for tuberculosis and other diseases, and can present a clean bill of health. These measures and the regulations that dairymen cannot supply milk to the cheese factories unless their herds have undergone Dr. Glaisyer's rigorous examination, are among the most important features in connection with the manufacture of Tillamook cheese. They insure the wholesomeness of this high grade product and are a protection to the consumer.

Pure Bred Dairy Stock.

For several years the dairymen of the county have been weeding out scrub sires and poorly producing cows, replacing them with registered stock. To quite an extent this has been instrumental in increasing the supply of milk. Such genuine interest was stimulated by this movement that the formation of the Tillamook Holstein Breeders' Ass'n., The Tillamook Jersey Cattle Club and the Guernsey Breeders' Ass'n. resulted. It is claimed that Tillamook county has more blooded stock than any other county in the state, and the time is not far distant when breeders will be deriving as much remuneration from their pure bred calves as from the milk. Although favor is about equally divided between the Holstein, Jersey and Guernsey, there are still quite a number of dairymen who still retain their confidence in the general purpose cow.

A Prominent Executive.

Carl Haberlach, secretary-salesman for all the cheese associations in the county, is largely responsible for the publicity which Tillamook Cheese has gained not only throughout the entire Northwest, but also in the East. His constant search for new markets, his keen business faculties and his conscientious manner of application, during fifteen years of service, have accomplished the present flattering results. Backed by the fine and splendid spirit of his co-workers, Mr. Haberlach has succeeded in making the Tillamook County Creamery Ass'n. one of the strongest institutions in the state. During Mr. Haberlach's administration he has handled \$10,000,000 of money belonging to the dairymen of the county, and probably has sold more cheese than any other person in the United States. With the help of one assistant E. J. Clausen, Mr. Haberlach does the selling, the clerical and office work of 25 cheese factories, acts as secretary of the

Tillamook County Creamery Ass'n., and does the work in a thorough business manner.

Coos and Clatsop exemplify the interest which Tillamook's neighbors are taking in the manufacture of cheese. Coos county obtained some of Tillamook's best organizers and chasers, and is now achieving most favorable results. Last year a delegation of Clatsop County dairymen visited Tillamook to gain first hand information as to the method of conducting this business, and were so well impressed that Clatsop county now plans to establish like organizations.

At present a very small proportion of land suitable for dairying is under cultivation, but the building of the proposed road should open up sections that would enable the coast counties alone to produce from \$10,000,000 to \$25,000,000 worth of cheese annually.

Cheese Factories in Tillamook County Creamery Association.

There were 25 factories in the Tillamook County Creamery Association most of the year, Upper Nestucca coming in during the late summer and Blaine dropping out in the fall. Counting the cheese estimates as having been made in all the factories for the entire year, brings the total of cheese produced to 6,091,259 lbs.

Name of factory.	Lbs. Milk	Lbs. Cheese	Amount
Tillamook Creamery	6,117,821	719,683	\$231,900.00
Maple Leaf Creamery	5,675,817	676,929	218,725.00
Holstein Creamery	5,422,233	580,773	188,363.00
South Prairie Creamery	3,617,227	410,753	133,176.00
Red Clover Creamery	3,256,159	360,092	117,198.00
Mohler Creamery	3,187,765	353,713	115,682.00
Fairview Dairy Ass'n.	2,491,477	298,135	97,062.00
Three Rivers Creamery	2,909,707	247,739	85,935.00
Cloverdale Cheese Co.	2,901,950	250,912	83,268.00
Central Creamery	2,031,576	226,644	72,536.00
Long Prairie Creamery	1,926,864	219,714	71,122.00
Oretown Cheese Co.	1,850,611	209,209	67,712.00
Clover Leaf Creamery	1,509,422	176,340	56,959.00
Cold Springs Factory	1,500,675	169,433	54,370.00
Beaver Creamery	1,272,765	146,775	47,333.00
Meda Creamery	1,223,848	140,021	45,236.00
Elwood Creamery	1,176,812	138,083	45,083.00
East Beaver Cheese Co.	1,026,817	119,704	38,897.00
Pleasant Valley	984,353	110,145	35,836.00
Miami Creamery	887,957	102,751	33,431.00
Neskovin Association	822,031	90,405	29,362.00
Alder Vale Creamery	753,861	80,988	25,861.00
Blaine Creamery	595,084	66,759	21,410.00
Sand Lake Creamery	489,426	54,412	17,536.00
Upper Nestucca (Est)	550,000	63,892	19,227.00
Association Totals	52,972,289	6,031,259	\$1,954,039.00
Small Dairies (Estimated)	550,000	60,000	18,635.00
Grand Total	53,522,289	6,091,259	\$1,972,674.00
Received from whey cream			32,305.12
Received from whey butter			2,506.68
Total Amount Received			\$2,007,475.80

The following totals show in a striking way some of the interesting figures connected with the work:

50,888 lbs. cream sold.
4,016 lbs. whey butter sold.
\$2,305.12 received for whey cream.
\$2,506.68 received for whey butter.
\$1,972,689.00 estimate for the county's cheese.
\$2,007,500.00 total of county of all dairy products.
2,217,925 lbs. butter fat in milk.
\$6,100 boxes cheese produced.

Amounts for the Past Eleven Years.

Year	Lbs. Milk	Lbs. Cheese	Amount	Yield
1909	23,416,524	2,506,612	\$386,135.81	10.70
1910	23,639,644	2,541,057	400,044.84	10.75
1911	24,131,802	2,619,229	358,206.29	10.85
1912	29,139,514	3,211,094	524,718.61	11.02
1913	31,566,888	3,505,455	541,748.46	11.10
1914	32,292,518	3,694,458	568,395.53	11.32
1915	36,577,206	4,043,875	557,596.00	11.05
1916	38,693,101	4,335,817	726,911.00	11.23
1917	44,901,303	4,974,328	1,188,052.13	11.23
1918	45,100,158	5,036,900	1,352,694.38	11.16
1919	53,522,289	6,091,259	2,007,500.00	11.38
	393,800,965	42,561,055	\$8,612,003.05	

Summary of Cheese Factory Reports.

Alder Vale Creamery
Factory received 753,861 lbs. milk during 1919.
29,748 lbs. butter fat in milk.
Average test, 3.945 per cent.
89,882 lbs. cheese produced, making 1,125 boxes.
Cheese sold for \$25,861.68.
Average price, 32.04c. Mohler.
Association received \$4,049.40 for making cheese.
Expenses for the year were \$3,055.23.

Blaine Creamery Company.
Factory received \$95,084 lbs. of milk during 1919.
25,729 lbs. of butter fat in milk, average test 4.323 per cent.
66,759 lbs. cheese made, making 958 boxes.
Average yield 11.234 lbs. cheese per 100 lbs. milk.
Average 2,595 lbs. cheese per lb. of butterfat.
Cheese sold for \$21,410.78.
Average price 32.07c. Tillamook.
Factory received \$2,607.51 for making cheese.
Expenses were \$2,905.61.

Sand Lake Creamery Company.
The factory received 489,426 lbs. of milk for 1919.
21,144.08 lbs. butterfat in milk, average test of 4.32 per cent.

Cloverdale Cheese Company.
Factory received 2,261,950 lbs. of milk in 1919.
87,593 lbs. butterfat in milk.

Cloverside Cheese Company.
Factory received 1,223,848 lbs. of milk in 1919.
138,083 lbs. butterfat in milk.
Average test of 4.241 per cent.
140,021 lbs. cheese made, making 2,006 boxes.
Average yield, 11.441 lbs. cheese per 100 lbs. milk. Average of 2.699 lbs. of cheese made per lb. of butterfat.
Cheese sold for \$45,336.94. Average price 32.37c. Tillamook.
Factory received \$5,666.28 for making cheese.
Expenses for the year were \$4,901.10.

Elwood Creamery Co.
Factory received 1,176,812 lbs. of milk during 1919.
117,683 lbs. butter fat in milk, an average of 4.29 per cent fat.
138,083 lbs. cheese manufactured and sold, making 1,967 boxes.
11,734 lbs. cheese made on an average per 100 lbs. milk.
Cheese sold for \$45,068.65, an average price of 32.64 cents Tillamook.
Yield of cheese was 2.736 per lb. butter fat.
2,028 lbs. whey cream sold for \$1,288.22.
Factory received 4c. the lb. for making cheese or \$5,523.58.
Expenses for the year were \$5,108.75.

East Beaver Cheese Company.
Company received 1,026,817 lbs. of milk during 1919.
45,493 lbs. butter fat in milk.
Average test, 4.43 per cent, the highest average in the county.
119,704 lbs. cheese manufactured, making 1,675 boxes.
Average yield, 11.66 lbs. cheese per lb. butter fat.
\$38,897.45 received for cheese.
Average price, 32.49c. Tillamook.
\$4,993.79 received for making cheese.
Expenses for the year were \$4,789.51.

The Tillamook Creamery.
Factory received 6,117,821 lbs. of milk for 1919.
719,683 lbs. of cheese made, making 10,279 boxes.
Average yield 11.76 lbs. of cheese per 100 lbs. of milk. Average 2.798 lbs. of cheese per lb. of butterfat.
Cheese sold for \$231,900.00. Average price 32.22c. Tillamook.
The factory received \$2,774.46 for making cheese.
The expenses for the year were \$2,747.22.

Three Rivers Creamery Co.
Company received 2,909,707 lbs. of milk for 1919.
267,789 lbs. of butterfat in milk, an average test of 4.211 per cent.
267,789 lbs. of cheese made, making 3,745 boxes.
Average yield 11.159 lbs. cheese per 100 lbs. milk.
Average 2,649 lbs. of cheese per lb. of butterfat.
Cheese sold for \$86,695.26.
Average price 32.35c. Tillamook.
Factory received \$10,616.79 for making cheese.
The expenses for the year were \$8,863.39.

Cloverdale Cheese Company.
Factory received 2,261,950 lbs. of milk in 1919.
87,593 lbs. butterfat in milk.

Average test, 3.973 per cent.
250,912 lbs. cheese produced, making 3,468 boxes.
Average yield, 11.39 lbs. cheese per 100 lbs. milk.
Cheese sold for \$83,268.40.
Average price, 32.36c. Tillamook.
Company received \$10,946.31 for making cheese.
Expenses for the year were \$7,303.57.

Central Creamery Company.
Company received 2,031,576 lbs. milk for 1919.
\$5,399.14 lbs. butterfat in milk, an average test of 4.203 per cent.
226,644 lbs. cheese made, making 3,200 boxes.
Average yield 11.15 lbs. cheese per 100 lbs. milk.
Average 2,654 lbs. cheese per lb. butterfat.
Cheese sold for \$72,536.71.
Average price 32c. Tillamook.
The factory received \$8,402.00 for making cheese.
The expenses for the year were \$7,958.86.

Long Prairie Creamery.
Company received 1,926,864 lbs. of milk for 1919.
78,124.67 lbs. butter fat in milk, an average test of 4.054 percent.
219,714 lbs. of cheese made, making 3,222 boxes.
Average yield 11.402 lbs. cheese per 100 lbs. milk.
Average 2,812 lbs. cheese per lb. butterfat.
Cheese sold for \$71,122.63.
Average price 32.37c. Tillamook.
3,495.88 lbs. whey cream sold for \$2,173.50.
Factory received \$9,457.21 for making cheese.
Expenses for the year were \$8,536.84.

Meda Creamery Company.
Company received a total of 1,223,848 lbs. of milk for 1919.
138,083 lbs. of butterfat in milk, an average test of 4.241 per cent.
140,021 lbs. cheese made, making 2,006 boxes.
Average yield, 11.441 lbs. cheese per 100 lbs. milk. Average of 2.699 lbs. of cheese made per lb. of butterfat.
Cheese sold for \$45,336.94. Average price 32.37c. Tillamook.
Factory received \$5,666.28 for making cheese.
Expenses for the year were \$4,901.10.

Elwood Creamery Co.
Factory received 1,176,812 lbs. of milk during 1919.
117,683 lbs. butter fat in milk, an average of 4.29 per cent fat.
138,083 lbs. cheese manufactured and sold, making 1,967 boxes.
11,734 lbs. cheese made on an average per 100 lbs. milk.
Cheese sold for \$45,068.65, an average price of 32.64 cents Tillamook.
Yield of cheese was 2.736 per lb. butter fat.
2,028 lbs. whey cream sold for \$1,288.22.
Factory received 4c. the lb. for making cheese or \$5,523.58.
Expenses for the year were \$5,108.75.

East Beaver Cheese Company.
Company received 1,026,817 lbs. of milk during 1919.
45,493 lbs. butter fat in milk.
Average test, 4.43 per cent, the highest average in the county.
119,704 lbs. cheese manufactured, making 1,675 boxes.
Average yield, 11.66 lbs. cheese per lb. butter fat.
\$38,897.45 received for cheese.
Average price, 32.49c. Tillamook.
\$4,993.79 received for making cheese.
Expenses for the year were \$4,789.51.

Beaver Creamery Association.
The factory received 1,272,765 lbs. of milk during 1919.
150,975 lbs. butter fat in milk, an average of 4.149 per cent.
410,753 lbs. cheese made, making 5,850 boxes.
Average yield, 11.3 55 lbs. cheese per 100 lbs. milk.
Average of 2.737 lbs. cheese made per lb. butter fat.
Cheese sold for \$133,176.57.
Average price 32.42c. Tillamook.
5,326 lbs. whey butter fat shipped for which was received \$3,403.52.
Company received \$16,351.08 for making cheese.
Expenses for the year were \$12,451.73.

Maple Leaf Creamery Co.
Company received 5,675,817 lbs. of milk for 1919.
243,717 lbs. of butter fat in milk.
Average test 4.294 per cent.
676,929 lbs. of cheese made, making 9,642 boxes.

Oretown Cheese Co.
Company received 1,850,611 lbs. of milk for 1919.
78,124.67 lbs. butter fat in milk, an average test of 4.236 percent.
209,209 lbs. cheese made, making 2,919 boxes.
Average yield, 11.3 lbs. cheese per 100 lbs. milk.
Average 2,666 lbs. cheese per lb. butter fat.
Factory received \$67,712.79.
Cheese sold for \$67,712.79.
Average price, 32.36c. Tillamook.
Factory received \$8,261.65 for making cheese.
Expenses for the year were \$6,790.51.

Clover Leaf Creamery Co.
Factory received 1,509,422 lbs. of milk for 1919.
Milk contained 63,500 lbs. butter fat.
Average, 4.206 per cent butter fat in milk.
176,340 lbs. cheese produced, making 2,468 boxes.
Cheese sold for \$56,959.01, an average price of 32.3c. Tillamook.
Average yield, 11.68 lbs. cheese per 100 lbs. milk.
1,767 lbs. whey fat produced, which sold for \$1,137.55.
Company received \$7,131.91 for making cheese.
Expenses for the year were \$6,964.41.

Cold Springs Cheese Factory.
Factory received 1,500,675 lbs. of milk during 1919.
60,344 lbs. of butter fat in milk, an average of 4.02 per cent fat.
Estimating small amount of Dec. cheese in the factory brings the year's make of cheese to 169,494 lbs. making 2,375 boxes.
Average yield, 11.29 lbs. cheese per 100 lbs. milk. 1918 yield was 11.03.
Cheese sold for \$54,370.73.
Average price, 32.08c. Tillamook.
Factory received \$6,779.76 for making cheese.
Expenses for the year were \$6,053.84.

Beaver Creamery Association.
The factory received 1,272,765 lbs. of milk during 1919.
150,975 lbs. butter fat in milk, an average of 4.149 per cent.
410,753 lbs. cheese made, making 5,850 boxes.
Average yield, 11.3 55 lbs. cheese per 100 lbs. milk.
Average of 2.737 lbs. cheese made per lb. butter fat.
Cheese sold for \$133,176.57.
Average price 32.42c. Tillamook.
5,326 lbs. whey butter fat shipped for which was received \$3,403.52.
Company received \$16,351.08 for making cheese.
Expenses for the year were \$12,451.73.

South Prairie Creamery Co.
Factory received 3,617,227 lbs. of milk during 1919.
150,975 lbs. butter fat in milk, an average of 4.149 per cent.
410,753 lbs. cheese made, making 5,850 boxes.
Average yield, 11.3 55 lbs. cheese per 100 lbs. milk.
Average of 2.737 lbs. cheese made per lb. butter fat.
Cheese sold for \$133,176.57.
Average price 32.42c. Tillamook.
5,326 lbs. whey butter fat shipped for which was received \$3,403.52.
Company received \$16,351.08 for making cheese.
Expenses for the year were \$12,451.73.

Red Clover Creamery Co.
Factory received 3,256,159 lbs. of milk during 1919.
383,167 lbs. of butter fat in milk, an average test of 4.176 per cent.
353,713 lbs. of cheese made, making 4,886 boxes.
Average yield 11.10 lbs. cheese per 100 lbs. milk.
Average 2,656 lbs. of cheese per lb. of butter fat.
Factory received \$115,682.20 for cheese.
Average price 32.69 Mohler.
Expenses for the year were \$117,164.20.

Mohler Creamery.
Factory received 3,187,765 lbs. of milk for 1919.
383,167 lbs. of butter fat in milk, an average test of 4.176 per cent.
353,713 lbs. of cheese made, making 4,886 boxes.
Average yield 11.10 lbs. cheese per 100 lbs. milk.
Average 2,656 lbs. of cheese per lb. of butter fat.
Factory received \$115,682.20 for cheese.
Average price 32.69 Mohler.
Expenses for the year were \$117,164.20.

Fairview Dairy Association.
Company received 2,491,477 lbs. of milk during 1919.
110,146 lbs. butter fat in milk, an average of 4.421 per cent butter fat.
298,135 lbs. cheese made making 4,359 boxes.
Average yield, 11.966 lbs. cheese per 100 lbs. milk.
Average yield of 2.706 lbs. cheese per lb. butter fat.
Cheese sold for \$97,062.24.
Average price 32.56c. Tillamook.
\$3.55 average price paid per 100 lbs.
4,983 lbs. whey cream butter fat sold for \$3,134.16.
Company received \$11,768.69 for making cheese.
Expenses for the year were \$10,989.79.

Red Clover Creamery Co.
Factory received 3,256,159 lbs. of milk during 1919.
383,167 lbs. of butter fat in milk, an average test of 4.176 per cent.
353,713 lbs. of cheese made, making 4,886 boxes.
Average yield 11.043 lbs. cheese per 100 lbs. milk.
Average yield of 2.706 lbs. cheese per lb. butter fat.
Cheese sold for \$117,198.80, estimating cheese on hand at 32c.
Average price received, 32.59c. Tillamook.
4,951 lbs. whey cream shipped and sold for \$3,134.16.
Factory charged \$14,317.02 for making cheese.
Expenses for the year were \$11,765.90.

Effective Remedies.
There are waves of crime, waves of prosperity, waves of reform and "sad sea waves"—and now Tillamook is engulfed in a wave of sickness. The doctors trot hither and yon swinging their little black bags; grim forbidding placards glare at one from familiar front porches; friends' faces are absent from store, office and schoolroom, and the indications are that Undertaker Hinkle will glory in a busy and rosyent spring.
Following close upon this comes a wave of hunger. Tom Hamilton's illness, and that of his cook and his dishwasher, have put the Royal Hash House on the blink. Business has been suspended there all day.
Medical authorities differ on the flu question. Some say that those in a run-down condition are more susceptible to contagion than those in good health; others say "Poof! if a flu bug has your name written in his tummy he'll get you somehow, some way, sick or well!" All the same, we think nine hours sleep, a daily walk and a swallow of good old fashioned castor oil, a pretty good preventative. That failing, try extract of vanilla—you'll forget you were ever drowned in a wave of sickness. Oh Boy.

Notice.
Owing to the great amount of sickness prevailing throughout the county, the meeting of the Tillamook Jersey Cattle Club has been postponed until further notice.
Joe Donaldson, Pres.
Rose Crawford, Secy.

Expenses for the year totaled \$3,922.95.
Miami Valley Creamery Company.
Factory received 337,957 lbs. of milk for 1919.
38,414 lbs. butterfat in milk, an average test of 4.326 per cent.
102,751 lbs. of cheese made, making 1,429 boxes.
Average yield 11.571 lbs. of cheese per 100 lbs. milk.
Average 2,674 lbs. of cheese per lb. butterfat.
Cheese sold for \$33,431.73.
Average price 32.536c. Tillamook.
The company received \$4,375.43 for making cheese.
Expenses for the year were