WINNIPEG

11

were plowed to a great depth. In place is low temperature at the creammany cases the preparation for a seed bed has been made with cultivators, in the fall for fall wheat and rye, or in the spring for spring crops, and as good and often better crops have been the result. For a catch of grass and clover seed the firm under soil with the fine tilth on top is almost ideal.

For all light soils shallow plowing and working is preferable. With heavier soils, however, the question of drainage and the mechanical texture of the soil have something to do with the depth to which plowing should be done. For keeping weed seeds near the surface the shallow plowing of the soil is preferable. ****************

Creamery Department

Butter Makers are invited to send contributions to this department of the contribution to the department of the contribution to the department of the contribution of

Better Cold Storage in Creameries Needed

A crying need in the creamery business at the present time, is bet-ter cold storage facilities at the creameries. From investigations made last season, by Mr. Frank Herns, chief instructor, we learn that the average temperature of the cold storages at creameries in western On-tario, was 52 degrees. This is too storiages at createries in western or tario, was 52 degrees. This is too high for the proper cooling and keeping of butter. Mr. Herns also states that 29 of these cold storages are in good condition, 18 in fair conditions. dition, and 13 in very poor condition. This accounts for only 60 of the 77 creameries in operation in western Ontario last season. There must therefore, be 17 creameries which therefore, be 17 creameries which have no cold storages at all for keeping butter. At any rate, only a little over one third of the creameries have cold storages that are in good condition

The conditions which apply in western Ontario, will apply in other parts parts of Ontario. Just as better curneeds of the cheese industry, so better cold storages or means for keeping and "curing" butter are urgently needed in the creamery business. It seems difficult to get people to understand that anything more is needgerstand that anything more is needd, after a good quality of cheese
or butter has been turned out. They
are slowly learning, however, and at
considerable cost, too. No article of
food produced will deteriorate more
quickly under unfavorable conditions
to butter. It is safe to say that a than butter. It is safe to say that a large proportion of the defects in Canadian creamery butter is due to the unfavorable conditions surroundthe uniavorable conditions surrounding it after it is made. Butter should be kept as near to the freezing point after it is made, as possible. Mr. Hern's investigation shows that the Hern's investigation shows that the average temperature in creamery cold storages is about 20 degrees above that point. We may infer that the 29 creameries, with good cold storage facilities, have kept the temperature down to near that point, or below 40 degrees at any rate. If this be true, then the temperature at which butter was kept in the remainder of the creameries must have been very high to bring the average up to 52 degrees.

The lack of proper storage for but-The lack of proper storage for butter is shown by the experience with the refrigerator, no cold water or in a cellar. Head of the carriage of butter. There was some improvement the past season, but the temperature at which butter is loaded on these cars is far too high to get the fullest benefit from the transportation facilities provided. The ideal

eries, and low tempearture while the butter is in transit to the consumer. This ideal has not been reached yet, and will not be till every creamery has proper facilities for cooling butter and keeping it at a low temperature until it is put on board the train. The refrigerator car facilities provided last season were as good as could be reasonably expected under the circumstances. It is up to the creamcumstances. It is up to the cream-eries to do their part, and supply those cars with butter properly cured and in a condition to be carried to its destination without any danger of deterioration in quality.

Creamery Butter-makers' Salaries in Denmark

They have been wrestling with the makers' salary question in Denmark makers' salary question in Denmark and endeavoring to establish a basis to work on. Owing to the increasing and endeavoring to establish a basis to work on. Owing to the increasing interest in this question in Canada, the following from one of our ex-changes will be of interest. It is the scale of salaries recommended at a recent meeting of the Jutland Cream-ery Association. ery Association:

Creameries with million pounds of milk								Gross salary of manager including salary and board									Of this is supposed to be used for help						
pou	".	•	7	*	•	•	•	•	•				•				help		C	sh		B	oard
1																5	420		\$	97		\$	54
2																	634		1	162	3		108
3																	870		5	270)		135
4																	1,052		1	324	1		162
5																	1,136		1	367			189
6			0					Ĺ	ĺ			ĺ.					1,203		1	394	1		216
7																	1,283		4	121			243
8					ĺ,												1,391		4	178	5		270
9			ĺ														1,510		1	513	}		297
10																	1,618		1	540)		324
																						. 4	

In the gross salary is calculated in cash value all supplies, such as income from garden, fuel, light, milk, cream, etc., only not the dwelling which is provided free. The salary which is provided free. The salary is calculated to be normal for creameries where no cheese is made and where extensive retail sales are not made. The labor cost of making up 1,000 lbs. of milk will thus vary from 42 cents for the one million creamery down to 16.2 cents for the ten million

This table would indicate that Dar This table would indicate that Daniah butter-makers are not over paid in the way of salaries. In a creamery receiving 10,000,000 lbs. of milk, 884 has to be paid out of the gross amount the manager receives for help and board, leaving a balance of \$750 out of which he salaries conner with what makers receive in

Care of Milk by the Householder

At the New York State Fair prizes were given for the best essay on the care of milk by the consumer. The first prize was won by Mr. B. Publow. The following are some hints from his essay worth noting:

1. Bottle milk is practically free

from outside contamination and is the preferable form for purchasing it. 2. Can milk is liable to contamina-tion from dust, from heat, and from strong-smelling substances in the re-

3. The top and outside of the bot-tle should be rinsed off with warm water before being opened, as the milkman usually carries the bottles y the top or neck, and more or less dirt and bacteria are certain to be transferred to the outside of the bot-

4. Place the milk at once in a

Your Old Machine Cannot compare with The New Model A fair allowance is made for the old Separator. Be ready for any Dairy emergency-USE THE DE LAVAL DE LAVAL SEPARATOR CO

Dairymen's Association

173-177 William St. MONTREAL

42nd Annual Convention and Winter Dairy Exhibition

BRANTFORD

JANUARY 13th AND 14th, 1909

\$360.00 IN CASH FOR PRIZES FOR BUTTER AND CHEESE Cheese Buyer's Trophy valued at \$150.00 for Sweepstakes Cheese Splendid List of Speakers

\$100.00 in Cash Prizes for Dairy Herd Competition Silver and Bronze Medals by Ryrie Bros. Toronto

Special prizes by Holler and Merz Co.; New York, R. M. Ballantyne Limited, Stratford; C. H. Slawson & Co., Ingersoll; J. B. Ford Co., Wyandotte, Mich.; The Canadian Sait Co., Windsor; The Western Salt Co., Mooretown.

THREE SESSIONS EACH DAY

Wednesday afternoon session specially for patrons of cheese factories and creameries and all milk producers. Reduced rates on all railroads. For programs and all information apply to

FRANK HERNS, Sec.-Treas., London, Ont.

These should have tight fitting cov-

7. Never mix fresh and stale milk as all becomes tainted or sour in a

short time.

8. Milk slightly sour can be sweet

VANCOUVER

Dish-cloths should never be used around dairy utensils. They are too hard to clean. Use a stiff brush instead.—J. N. Paget, Haldimand Co..