Re Transportation of Dairy

The Dairy and Cold Storage branch of the Dept. of Agriculture, Ottawa, has been working for better trans-portation facilities for perishable pro-duce, both on the railways in Canada and on the ocean-going steamships engaged in the Canadian trade. In pursuance of this policy, they have recently sent out a circular to own-ers and captains of river boats, in-structing them as to the best methods of handling dairy produce. During the season of navigation, inspec s are employed at Montreal in ord-that the special iced car services for butter, cheese and fruit, may be kept under constant supervision and that the loading of perishable produce in the ship may be watched and rough adling checked.

During warm weather, the inspec-tors at Montreal frequently report the arrival of heated butter and cheese that has been shipped on river boats. In almost every case, this has been caused by storage close to the boiler and engine room. The circular warns those engaged in the carrying trade against stowing butter, cheese or eggs in proximity to the boiler, engine, or cooking range. It points out to the managers and companies concerned that they should make it their busi-ness to see that on every trip, dairy produce and eggs are carried in the coolest parts of the boats.

essive factorymen are convinced of the importance of a cool curing room for cheese and proper cold storage for butter, and as a consequence, the majority of factories in our best

FOR SALE AND WANT ADVERTISING TWO CENTS A WORD, EASH WITH ORDER

EXPERIENCED BUTTER MAKER; wishes situation. Best references. E. Carlis, 155 Aylmer St., Peterboro, Ont. 6-24

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GWNERS OF CHEESE FACTORIES AND
CREAMERIES desiring to make direct
shipments to Great Britain, will have
an opportunity of the control of the control
lars may be obtained by writing Box F.
Canadian Dairyman and Farming World.
D. tf

CLEAN MILK—By S. D. Belcher, M.D. In this book, the author sets forth practi-cal methods for the exclusion of bac-teria from milk, and how to prevent contamination of illustrated, set noise. The pages. Gloth \$1.00. The Canadian Dalryman and Farming World. Our complete catalog of dairy books sent free on request.

dairy districts are now well-equipped in these two respects. The factory from the row of the cost of building a find the cost ware somewhat the cost ware the cost of building a to every ten miles up to 300 miles, two costs for discussion. The factory the cost ware somewhat the cost of the average cost is given. It was to every ten miles up to 300 miles, two costs of the average cost is given. The cost ware somewhat the cost of the average cost is given. The cost ware somewhat the cost of the average cost is given. The cost wares somewhat the cost of the wavers cost of the average cost is given. The cost wares somewhat the cost of the average cost is given. The some ware for the cost of the cost of the average cost is given. The cost wares somewhat the cost of the cost of the average cost is given. The cost wares somewhat the cost of the cost of the average cost is given. The cost wares somewhat the cost of the average cost is given. The cost wares somewhat the cost of the ave

of the goods on delivery at Montreal.

High Priced Butter in England
Prof. G. L. McKay writing in
Hoard's Dairyman about the English
butter market says:
"The highest selling butter that I
found in the English market was the
famous B. F. blue print, what is
famous B. F. blue print, what is
it an unsalted butter made from raw
cream. This butter is sold for four
cents higher per pound than any
butter in the London market. Following this in price I found what is
called the Danish selected and then is an unsured common that any cents higher per pound than any butter in the London market. Following this in price I found what is called the Danish selected and then the Irish. I believe it is the uniform quality of the Danish butter that has enabled the Danes to get the hold on the English market that they have at the present time.

nave at the present time.

"The English people are not, now I speak in regard to the dealers, unanimous in favor of pasteurizing. I have heard some dealers say the pasteurizing would cost the Danes the English market. However, among the large dealers, they seem to favor the Danish butter. I examined a lot of butter in the dairy markets of England. I examined some butter to find out if possible how much butterfat or how much water, butter should contain to be water, butter should contain to be suited to that market. The driest butter found in that market was made in New York, 29 per cent. fat, while the high selling Daniah and French butter showed 86. I spoke to a leading Daniah authority on this subject. I asked him concerning the amount of water in their butter. He amount of water in their butter. He are the subject of the subject the past five years. I am not an advocate of selling water. The Irish advocate of selling water. The Irish butter contained more water than any butter sold in the English market. It is like some of our American butter, it contains a lot of water and shows it. The Danish butter contained a lot of water and out of water and did not show it."

The Cost of the Creamery

In a press bulletin recently sent out by the U. S. Departement of Agri-culture some valuable information is

retrigerator machine), coal room, re-frigerator, store-room and office.

"Machinery for a hand separator plant, consisting of 15 horse-power boiler, 10 horse-power engine, com-bination churn with a capacity of 600 pounds of butter, and other necessary pounds of butter, and other necessary apparatus will cost approximately \$1,200. Machinery for a whole milk plant will cost about \$18.50. This equipment will handle from 1,000 to 1,200 pounds of butter per day. If a refrigerator machine is included the cost will be from \$600 to \$1,000 more. "The total cost of a resumer, would

"The total cost of a creamery would berefore vary from \$2,000 for a simple hand-separator plant without arti-ficial refrigeration, where material and labor are cheap, to \$4,250 for a whole milk plant, including artificial refrigeration and a higher cost of labor and material."

Official Referee Withdrawn

There will be no official referee of There will be no official referee of cheese and butter at Montreal' this senson, Mr. George H. Barr, who acted in that capacity, having been removed from the work by Hon. Sydney Fisher, Dominion Minister of Agriculture. Last year, Mr. Barr examined only 200 lots of cheese. The Department feels, therefore, that the demand for the services of an official referee is too small to warrant one being continued. Many will regret this action, especially the Dairy Instructors throughout Ontarlo, who by keeping in touch with Mr. Barr at Montreal, have been able to gain much valuable information about the defects of cheese passing through that port. Mr. Barr will undertake new work for the Department, including ome experiments in cheese making.

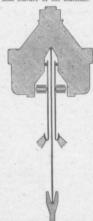
As farmers, we are apt to neglect our cows. We are apt to think, "Well, they are only cows and we have got to get this harvesting done, and these roots off, and this plowing done, and we will look after the cows the best way we can." That is a relic of the old times. If the cows come at night to be milked, they would be milked and if they didn't, they would be milked in the morning. In many parts of the province, there are remnants of that old doctrine of taking the cows when you can get them; work away till nine our get them; work away till nine trine of taking the cows when you can get them; work away till nine o'clock and then rush in and milk the cows. If we would succeed as dairying country, we must get rid of these old relics.—J. H. Grisdale, Ottawa, Ont.

The Nebraska Railway Commission has established new rates for the carhas established new rates for the ear-riage of cream on railways that puts this business on a straight distance trail basis. Starting at 15 cents for transporting a ten-gallon can of cream up to twenty miles, the new card ad-vances one cent for every five miles

quicker in consequence. Cleanliness and cold are the two necessities for keeping milk sweet.

The New Danish Invention in Separators

The illustrated article published in the issue of The Canadian Dairyman the issue of The Canadian Dairyman and Farming World for June 10th, de-scribing a new Danish invention in Separators that has been introduced in Canada recently, and that has done excellent work under test at some of the leading Canadian Agricultural Colleges, has created a great deal of interest. One of the illustrations published in the article referred to, was inserted incorrectly and we therefore, reproduce it here with a description reproduce it here with a description of that feature of the machine.



The Principle of the Ma

The Principle of the Machine.
The chief principle and novel.y of Messrs. Burmeister and Wain's Separator is that the suspension of the cylinder (which is without a fixed shaft) is placed a considerable distance above the centre of gravity, while a small supporting bearing replaces the neck-bearing usually emplaces the neck-bearing usually emplaces the neck-bearing usually ending the cylinder (See 'Hig. 2 which roughly in the control of the cylinder is loosely suspended on the end of an upright standing aske, which is likewise loosely connected with the worm, and thus the cylinder rests upon its bottom ly connected with the worm, and thus the cylinder rests upon its bottom step. At the centre of gravity the cyl-inder is, as already mentioned, sup-ported by a little ball train (with 6 balls), which transfers the oscillation to a tube, superported by a friction plate, sandwiched between two other plates. This friction plate works a training the plates of the control of the con-traction as the tube does not move with-out impulse from the cylinder.

THE WHEY PUMP THAT DID IS THE WHEY PUMP THAT WILL



This cut shows the inside of Machanism Box of the

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A Check may be seen ready to pass through the Guide Channel, which is so constructed that it is impossible to remove the Check may be that it is impossible to remove the Check may be parts are fully protected and have no contact whatever with the Whey, and therefore can-not clog but will work perfectly under all conditions.

conditions.

It is an entirely new and distinct Check Pum, differing in construction from any other Measuris Pump for sale. These pumps have been in constant guaranteed to give satisfactory results and say trouble with patrons of the cheese factory. Ear patron is bound to obtain the exact quantity of whey or milk he is entitled to.

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