

### Milk and its Products

1. **Milk**, unless otherwise specified, is the fresh, clean and unaltered product, obtained by the complete, uninterrupted milking, under proper sanitary conditions, of one or more healthy cows, properly fed and kept, excluding that obtained within two weeks before and one week after calving, and contains not less than three and one quarter (3.25) per cent. of milk fat, and not less than eight and one half (8.50) per cent. of milk solids, other than fat.

2. **Skim Milk** is milk from which a

part or all of the cream has been removed, and contains not less than eight and one half (8.50) per cent. of non-fat, milk solids.

3. **Pasteurized Milk** is milk that has been heated below boiling, but sufficiently to kill most of the active organisms present; and immediately cooled to 45° F., or lower, and kept at a temperature not higher than 45° F., until delivered to the consumer, at which time it shall not contain more than 10,000 bacteria per cubic centimetre.

**NOTE.**—Pasteurization should be effected by heating in a closed vessel

for not less than 20 minutes at a temperature of 140° to 145° F.; or, for not less than 15 minutes at a temperature of from 145° to 150° F. When milk is heated above 150° certain ferments and other constituents of the milk are more or less altered, and the digestibility of the resultant milk is injuriously affected.

4. **Sterilized Milk** is milk that has been heated at the temperature of boiling water, or higher, for a length of time sufficient to kill all organisms present; and must be delivered to the consumer in a sterile condition. Sterilized milk shall not be sold, or offered for sale, except in hermetically closed containers, bearing the words "This milk should be used within twelve (12) hours after opening the container."

not less than 26 per cent. of milk

solids, and not less than 7.20 per cent. of milk fat.

7. **Condensed Milk** is milk from which a considerable portion of water has been evaporated, and to which sugar has been added. It contains not less than 28 per cent. of milk solids, and not less than 7.7 per cent. of milk fat.

8. **Condensed Skim Milk** is skim milk from which a considerable portion of water has been evaporated with or without the addition of sugar.

9. **Buttermilk** is the product that remains when butter is separated from ripened cream, by the usual churning processes; or a similar product, made by the appropriate treatment of skimmed milk.

10. **Goat's Milk**, **Ewe's Milk**, and

### The Simplest Engine You Can Buy

No expert engine knowledge needed—so simple a child can operate them. Get one to run your machinery and pump water all over your place. Heat fire protection you could have.

Write NOW for FREE Engine Facts and Experiences.

And learn all about gasoline engines. Address office nearest you.

ONTARIO WIND ENGINE & PUMP CO., Limited  
Windsor TORONTO Calgary



Chapman  
and  
Stickney  
Gasoline  
Engines

### CANADIAN PACIFIC RAILWAY

#### UPPER LAKES NAVIGATION

Steamers leave Port McNicoll Mondays, Tuesdays, Wednesdays, Thursdays and Saturdays at 4 p.m. for SAULT STE. MARIE, PORT ARTHUR and PORT WILLIAM.

The Steamer Manitoba, sailing from Port McNicoll Wednesdays will call at Owen Sound leaving that point 10:30 a.m.

#### Steamship Express

leaves Toronto 12:45 p.m. on sailing days making direct connection with Steamers at Port McNicoll.

TICKETS AND FULL INFORMATION FROM ANY C.P.R. AGENT.

#### King's Birthday SINGLE FARE

Between all stations in Canada, Port Arthur and East. Good Going May 31. June 1, 2, 3. Return Limit, June 5. (Minimum Rate of \$5.)

#### Home-seekers' Excursions

June 11, 12, and every Second Tuesday until Sept. 17 inclusive.

WINNIPEG and RETURN - \$34.00  
EDMONTON and RETURN - \$47.00  
Proportionate rates to other points.

Return limit 60 days.

THROUGH TOURIST SLEEPING CARS  
Ask nearest C.P.R. Agent for Home-seekers' Pamphlet.



## First Annual Sale

under the auspices of the

District of Beauharnois Live Stock Breeders' Association

will be held in connection with the Spring Show, June 12, 13, 14 (14th Sale Day) at

Ormsdown, Que., June 14

### 100 Ayrshires 30 Holsteins

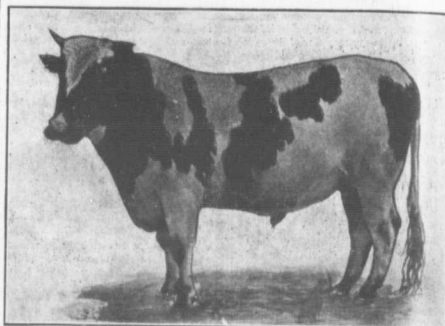
These are showyard winners and Record of Performance animals consigned by the foremost breeders and importers in Canada. If you need something for your show herd or a foundation for a new one, here is your opportunity to secure them at your own price. TUBERCULIN TESTED.

### 20 Registered Clydesdales

J. P. CAVERS, Chairman, Sales Committee  
NEIL SANGSTER, President

L. G. BRYSON, Sec.-Treas., Ormsdown, Que.

Don't fail to write the Secretary-Treas. for a Catalog.



A Richly-Bred Bull with Great A.R.O. Backing

Sir Sadie Cornucopia Clothide, here shown, and owned by P. D. Ede, of Centre and Hill View Farms, Oxford Centre, Ont., is backed by a dam and sire's dam and grand-dam averaging 2608 lbs. butter in 7 days; his dam has record exceeding 10 lbs. eight months after calving. See Mr. Ede's advertisement this week for bull calf, from this bull, and 26.16 lb. heifer, he is offering.

5. **Certified Milk**. Milk sold as certified milk, shall comply with the following requirements:

(a) It shall be taken from cows semi-annually subjected to the tuberculin test and found without reaction.

(b) It shall contain not more than 10,000 bacteria per cubic centimetre from June to September; and not more than 5,000 bacteria per cubic centimetre from October to May inclusive.

(c) It shall be free from blood, pus, or disease-producing organisms.

(d) It shall be free from disagreeable odor or taste.

(e) It shall have undergone no pasteurization or sterilization, and be free from chemical preservatives.

(f) It shall have been cooled to 45° F., within half an hour after milking, and kept at that temperature until delivered to the consumer.

(g) It shall contain 12 to 13 per cent. of milk solids, of which, at least, 3.5 per cent. is fat.

(h) It shall be from a farm whose herd is inspected monthly by the veterinarian, and whose employees are examined monthly by a physician.

**NOTE.**—It is evident that the weight carried by the term "certified" will depend upon the character of the organization which assumes responsibility. Doubtless this will usually be a local medical association; but there is nothing to prevent any responsible body of properly qualified persons from undertaking the production of certified milk.

6. **Evaporated Milk** is milk from which a considerable portion of water has been evaporated, and contains

so forth are the fresh, clean, lactated secretions, free from colostrum, obtained by the complete milking of healthy animals other than cows, properly fed and kept, and conforms in name to the species of animals from which they are obtained.

#### Items of Interest

The Cobourg Horse Show will be held August 13 to 17 this year.

The Canadian Pacific Railway will run a Better Farming Special, similar to those they conducted in Ontario recently, through the eastern provinces of Canada, starting at Montreal. A start will be made on June 3, and completed on June 20.

### GRAND TRUNK RAILWAY SYSTEM

#### KING'S BIRTHDAY SINGLE FARE FOR ROUND TRIP

Between all Stations in Canada  
Good going May 31, June 1, 2, 3  
Return limit June 5, 1912.  
(Minimum charge 25c.)

**FAST MUSKOKA EXPRESS.**—Leave Toronto 10:15 a.m. daily, ex. Sundays, making direct connection at Muskoka Wharf for Muskoka Lake points.

**Home-seekers' Excursions to Western Canada.**—June 11 and 12, July 9 and 12, and every second Tuesday thereafter until Sept. 17. Via Barrie or Chicago, Winnipeg and return \$24.00. Edmonton and return \$42.00. Tickets good for 60 days. Trains will leave Toronto 10:30 p.m. on above dates, carrying Through Coaches and Pullman Tourist Sleeping Cars.

**NO CHANGE OF CARS.**—Tickets will also be on sale via Barrie and Northern Navigation Company. Full particulars and tickets from Grand Trunk Agent.

Why Farm and Dairy?

Editor, Farm and Dairy: I have been reading your issue of May 27, and I am glad to see that you are giving the standard of the dairy business at different points. I am glad to see that you are giving the standard of the dairy business at different points. I am glad to see that you are giving the standard of the dairy business at different points.



Fros  
mor  
prog

F

"fair-  
and  
down  
watch  
anyw  
the  
are no  
T  
simple  
runni  
of lan  
again  
—are  
main  
A