

## A ROOF OF SOLID METAL

Locked tight on four sides, Preston Shingles become a solid plate of metal that cannot open with the sagging of the roof. Make your crops weather proof, fire proof, lightning proof.

Build with

**PRESTON SAFE SHINGLES  
ACORN CORRUGATED IRON**

Free Building Service to Farmers. Write.

The METAL SHINGLE & SIDING Co., Limited, Preston, Ont.

## SEED OATS

Yellow Russian won 1st Toronto Ind. on 3 bus and 1st on shof, won 3rd at Ottawa and 4th at Brookville. Price, \$1.00 per bus. bags 30c extra.

THOS. COSH - BOBCAYGEON, ONT.

## FORD STARTER



Exclusive agents wanted to sell the "Ford" Starter. Differs from all others. Every Ford owner a live prospect. Get your proposition today. Write Dept. 6.

GEO. W. MACNEILL CO.  
85 Richmond W., Toronto



# SARNIA FENCE



## PRICES TO JULY 1st, 1915

Sarnia Fence is not only the best known fence in Canada today, but **THE BEST MADE FENCE**. It is made from full Government gauge No. 9 wire, and is galvanized to the highest possible standard. Compare our fence with any other fence made, in any detail, whether it be the size of the wire, the knot, the uniform length of the line wires, the way it is woven or the way it stretches up. Try this for yourself, and you will readily see we are thoroughly justified in every claim we make for our fence.

### GUARANTEE

We guarantee our fence to be made from the best galvanized hard steel wire, both stay, line wire and knot, and to be as perfectly woven as any fence on the market, and of full Government gauge No. 9 wire.

### MADE IN CANADA

Stock Fences all full No. 9 wire

| No. Line<br>Wire                                | Height<br>inches | Shape<br>per foot | Spacing of Horizontals                                     | Weight per<br>rod | PRICE<br>Less than<br>Canadian<br>Old<br>New Out.<br>Cdn. Provinces | PRICE<br>Less than<br>Canadian<br>Old<br>New Out.<br>Cdn. Provinces |
|---|------------------|-------------------|--|-------------------|---|---|
| 5   | 40               | 9                 | 10, 10, 10, 10, 10, .....                                  | 6 1/2 lbs.        | 20  | 22  |
| 6   | 40               | 9                 | 7, 7, 8, 9, 9, .....                                       | 7 1/2 lbs.        | 23  | 26  |
| 7   | 40               | 9                 | 5, 6, 6, 7, 7 1/2, 8 1/2, .....                            | 8 1/2 lbs.        | 25  | 28  |
| 7   | 48               | 9                 | 5, 6, 7, 9, 10, 11, .....                                  | 9 lbs.            | 26  | 28  |
| 8   | 40               | 12                | 3, 4, 5, 6, 7, 7 1/2, .....                                | 10 1/2 lbs.       | 30  | 33  |
| 8   | 48               | 12                | 4, 5, 6, 7, 8, 9, 9, .....                                 | 11 lbs.           | 32  | 35  |
| 9   | 48               | 9                 | 3, 4, 5, 5, 6, 8, 8, 9, .....                              | 11 lbs.           | 32  | 35  |
| 9   | 48               | 9                 | 6, 6, 6, 6, 6, 6, 6, .....                                 | 11 lbs.           | 32  | 35  |
| 9   | 48               | 12                | 3, 4, 5, 5, 6, 8, 8, 9, .....                              | 12 1/2 lbs.       | 34  | 38  |
| 9   | 52               | 9                 | 4, 4, 5, 5 1/2, 7, 8 1/2, 9, 9, .....                      | 13 1/2 lbs.       | 35  | 38  |
| 10  | 50               | 12                | 3, 3 1/2, 3 1/2, 4 1/2, 5 1/2, 6, 8, 8 1/2, .....          | 13 1/2 lbs.       | 36  | 40  |
| 11  | 52               | 12                | 3, 3, 3, 3 1/2, 3 1/2, 4 1/2, 5 1/2, 6, 7, 8, 8 1/2, ..... | 14 1/2 lbs.       | 40  | 44  |
| <b>Poultry and Hog Fences No. 9 and 12 Wire</b> |                  |                   |  |                   |   |   |
| 7   | 36               | 30                | 3, 3 1/2, 3 1/2, 4, 4 1/2, 5, 5 1/2, 6, 6 1/2, .....       | 6 M lbs.          | 25  | 27  |
| 16  | 50               | 24                | 1 1/2, 1 1/2, 1 1/2, 1 1/2, 2, 2 1/2, 3, .....             | 12 lbs.           | 40  | 44  |
|   |                  |                   | 4, 5, 5, 5, 6, 7, 8, 8 1/2, 9, 9 1/2, .....                |                   |   |   |
| 18  | 58               | 24                | 1 1/2, 1 1/2, 1 1/2, 1 1/2, 2, 2 1/2, 3, 3 1/2, .....      | 13 1/2 lbs.       | 44  | 48  |
|   |                  |                   | 3 3/4, 4, 4 1/2, 5, 5, 5, 6, 6, 6 1/2, .....               |                   |   |   |

### Poultry and Hog Fences No. 9 and 12 Wire

|   |    |    |
|---|----|----|
| 3 3/4, 3 3/4, 4 3/4, 5 3/4, 6 3/4 ... 6 3/4 lbs.                                    | 25 | 27 |
| 1, 1 1/4, 1 1/4, 1 1/4, 2, 2, 2 1/4, 3, 4, 5, 5, 5, 6, 6, 7 ... 12 lbs.             | 40 | 44 |
| 1, 1 1/4, 1 1/4, 1 1/4, 2, 2, 2 1/4, 3, 3 3/4, 4, 4, 4 1/4, 5, 5, 6, 6, 13 1/4 lbs. | 44 | 48 |

### Barb Wire Prices

|                           |        |        |
|---------------------------|--------|--------|
| 2 point, per 80 rod spool | \$2.40 | \$2.65 |
| 4 point, per 80 rod spool | \$2.50 | \$2.75 |

**The Sarnia Fence Co.**  
SARNIA, ONT. LIMITED

## New Dairy Legislation in Quebec

QUEBEC province has achieved by legislative enactment many reforms in the dairy industry that some of the other provinces have striven unsuccessfully to obtain through private initiative for many years. The new laws passed at the last session of the legislature first provide the machinery for enforcing reform. The provinces will be divided into districts. The lieutenant governor in council may then appoint inspectors-general, assistant inspectors-general and an inspector for each district. The functions of the inspector shall be somewhat similar to those of the dairy inspectors of Ontario. They must hold certificates of competency from a board of examiners appointed by the Quebec Dairyman's Association. Their salaries shall be paid by the government, not one-half by the cheese and butter makers' syndicates as is now the case.

The head butter maker in all creameries must hold a diploma from the board of examiners and also a certificate.

eral, their assistants and the inspectors, are to be met in part by a levy of \$15 per year on each butter or cheese factory, condensed milk or processing factory that is in operation at least 30 days in the year.

### Cooperative Law

The number of cooperative associations in Quebec is increasing rapidly and important amendments were made at the last session of the legislature to the provincial cooperative law. Most important of the changes has been the adoption of the "one man one vote" principle to replace the old method of "one share, one vote."

### Testing Density of Syrup

What kind of thermometer, or lactometer, is used in testing maple syrup or sugar to tell when it has been cooked enough—J. A. E. Hastings Co., Ont. Most Canadian makers use the thermometer for judging when the syrup has reached the correct density. The boiling point of liquids varies with their density and with their altitude.

### "Made-in-Canada" Sugar is the Best Sugar.

No question about it. The "Made-in-Canada" article isn't cane sugar. It isn't beets. It's maple sugar. Herewith may be seen a group of Our Folks in the maple bush of J. O. Henderson, Elmwood Co., Ont., producing the primes of all sweetens.

cate as a milk and cream tester. The butter maker shall be compelled to use the cream, brought or sent to the factory by patrons, in two classes. In class No. 1 shall be all cream suitable for making first-class butter; all other cream accepted in class No. 2. The two classes of cream must be churned separately and sold separately and the proceeds apportioned to the patrons according to quality. The cream tank wagon shall be done away with, the cream of each patron being brought to the factory in a separate receptacle.

It is further provided that each cooperative agricultural society owning a butter factory or cheese factory, must pass by-laws providing for the classification of milk and cream, and if such by-laws are not passed the inspector-general may himself make such by-laws, they to be approved by the Dairyman's Association. The societies are empowered to take action against any person bringing to the factory unwholesome or sour milk, skimmed or adulterated milk for all damages suffered. The damages collected shall be apportioned between the members in proportion to the quantity of milk and cream supplied by each.

Better care of the by-products is provided for. Managers are obliged to sterilize skin-milk, buttermilk and whey. These products must be held in vats of metal, not of wood. Exceptions are provided in this latter case at the discretion of the inspector-general. The expenses of the inspectors-general

above the sea level. At sea level water boils at 212, syrup at 210, soft sugar at 208 to 240, and hard sugar at 242 to 243 degrees Fahrenheit. The boiling point for each of these is lowered one degree for about 500 ft. altitude. Since sugar growers are usually at some height above sea level, it is necessary for accuracy to test the boiling point of the thermometer. At whatever degree water boils there should be added for syrup seven degrees, for soft sugar from 36 to 28 degrees, and for hard sugar 30 to 33 degrees.

The saccharometer or hydrometer is used for testing the density of syrup. For testing boiling syrup the liquid is poured into a vessel six inches in diameter and nine inches deep, and the saccharometer promptly placed therein. When the syrup is of standard weight the instrument will register 30 1/2 degrees. If it registers less the syrup is too light. If cold syrup of proper density, at say 70 degrees, the saccharometer should settle to 36 1/2 degrees. In making syrup the use of an instrument is necessary for accuracy, but for sugar making, experienced men can readily determine by observation when the correct density is reached, for removing from the fire.—J. B. Spencer, B.S.A., Ottawa.

Silos seem expensive, but do not forget that they will house feed, not for ton, cheaper than any other form of farm construction, except the outside stack.



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