

Always the Largest and Strongest, and
Now Stronger and Better Than Ever!

THE WESTERN CANADIAN HAIL INSURANCE CO.

HEAD OFFICE: WAWANESA, MANITOBA

Authorized Capital, \$500,000.00.

A FEW THINGS WORTHY OF CONSIDERATION BY
FARMERS:

We are the only Joint Stock Company in Canada doing an exclusive Hail Insurance business. We have no side lines, such as Fire or Live Stock—all our funds are held to pay Hail Losses. There is no possible danger of our being drawn upon to pay losses caused by disastrous fires, which so often occur in towns and cities, or by death to Live Stock, the loss from which no one can estimate and which in the past has been so appalling, especially in cases of contagious diseases among animals.

We have more Cash Assets

than all other Companies in Canada combined doing Hail Insurance, no matter whether they do other lines of Insurance or not, and must therefore give better security to our Policy-holders. We have always paid our losses in full and within 30 days from date of notice of loss. Insure early and be protected during the whole growing season. Not more than 4,000 acres will be accepted in any one township.

C. M. VANSTONE, M. D.,
President.

R. J. NEITHERCUT,
Secretary.

A. BLAIN,
Manager of Agencies.

Experienced Shippers.

MANY farmers who have had experience in shipping their grain, now consign and sell through us. Why? Because they get careful attention and the best results. Let us handle yours. Write for information.

THOMPSON, SONS & CO.,
Grain Commission Merchants,
Licensed and Bonded. WINNIPEG.

SHOPPING BY MAIL is coming more and more into the favor of all classes of people. Especially is this true of such articles as music, where only the name is necessary to bring a copy of the newest thing to the home. Keep well acquainted with the piano or other instruments by keeping well supplied with the newest music from Whaley, Royce & Co., 356 Main St., Winnipeg.

A JOY IN THE HOME

Is a good

Piano or 'Organ

We buy direct from the factories, and save you 10 to 20 per cent. middlemen's profits.

Best makes always in stock.

Bell, Karn, Newcombe and Evans are Leaders.

Write at once, or call on

C. KINNIBURGH & CO., SOLE REPRESENTATIVES,
CALGARY, ALTA.

Latest Sheet Music and Musical Supplies.

The second annual sale, on May 19th, of Shorthorns from the herd of Mr. E. S. Kelly, Yellow Springs, Ohio, was an attractive one, the cattle being of a superior class and presented in fine condition. The 34 head sold made an aver-

age of \$409 each. The top price of the sale was \$855, for Imp. Fair Morn, a roan five-year-old cow by Star of Morning, purchased by J. A. Gerlaugh, Harshman, Ohio. Twenty head sold at \$400 and upwards.

In answering any advertisement on this page, kindly mention the FARMER'S ADVOCATE

GOSSIP.

Adamson Bros., of Gladstone, own a fine herd of Shorthorns, as will be seen by the photo-engraving on another page of this issue. Their stock bulls are: Marquis of Longburn, a roan, standing in foreground of photo, and Imperial Hero, a fine large red bull, standing on the left side. The Marquis of Longburn was sired by the famous Marquis of Zenda. He is a thick, straight-lined bull, with splendid heart-girth, strong back, good hind quarters, fine head and neck, and a smooth, good handler. Imperial Hero, sire Village Duke, dam Rosetta, is a long, straight, strong bull with good heart-girth, and, although only in working condition, weighs 2,250 lbs. He has the best of arched ribs, a fine chest, and is a splendid sire. Another very good bull is Advocate, sire Prairie Sportsman, dam Julia, one of Walter Lynch's cows. This young bull has extra good hind quarters, and is an all-round, straight-lined, strongly-made animal. The cows are all with calf to Marquis. Julia, a sixteen-year-old cow, is in good form and heavy with calf. She was sired by Silverskin. Village Heroine, sire Village Hero, is a two-year-old heifer, smooth and growthy, also with calf to Zenda's Son. Prairie Rose is a large, well-made cow, with calf to the same bull, and also sired by Village Hero. Jubilee Gem, sire Windsor 24th, dam Prairie Rose, is a very promising young cow. Ladysmith and Diadem, both sired by Prairie Sportsman, are a pair of very smooth, growthy heifers, both with calf to the Marquis of Longburn.

The Paris Plow Co., Paris, Canada, write as follows: "About twelve years ago the first mechanical refrigerating plant was installed for an eastern plow concern. The illustration on another page shows our plant as constructed by the same American concern. We show the compressor and brine-cooling pipes only. The ammonia condenser and tempering tanks are in different departments. The question is often asked: 'What connection has an ice plant with the manufacture of plows?' Our experience dates back to the time when we attempted to temper moldboards in a barrel of water cooled with ice. After tempering a few boards the temperature of the brine was changed and the molds were soft. More ice was then added, and the process continued. This was a very unsatisfactory method. To-day many concerns are using this same process, only on a larger scale, the brine being cooled by pumping through pipes surrounded by blocks of ice. The coils of pipes shown here are composed of two pipes, one inside of the other, and connected at the ends, making a complete circuit for the brine and ammonia. The ammonia in its liquid state occupies the inner pipe. The outer pipe surrounding the ammonia is where the brine passes during the cooling process. Ammonia boils at 28° below zero. When the pump is started and the brine is drawn from the tank and forced into the pipes around the ammonia, the ammonia commences to boil from coming in contact with the warm brine, which is about 35° above zero, just as water boils when placed upon a fire. The heat is absorbed from the brine in boiling the ammonia just as the heat is absorbed from the fire while boiling water. The cold brine then passes back to the tank and is kept in constant circulation by the pump. The ammonia after it boils and becomes vapor is drawn from the pipes by the big compressor and forced into the condenser, which is not shown, under heavy pressure. There it is cooled by running water, and returns to the receiver in the liquid state, ready to flow into the pipes and continue the process. By simply operating a valve the temperature can be changed to any desired degree. With the plant we have installed we are in a position to temper from six to eight tons of plow steel per day without the least perceptible change in the brine temperature. This has been a very expensive plant to install, but when we take into consideration the number of molds and shares that are found soft and useless and returned to the manufacturer we feel that it is money well invested."