

THE GATE THAT SERVES YOU BEST



IS THE Peerless Extra Long Gate

Gates should no longer be looked upon as mere holes in the fence where a bar or any makeshift of an obstruction sufficient to keep the stock will do. A good gate is as essential as a good fence.

Insecure gates are a menace to the lives of stock and crops and should be promptly replaced with Peerless Wire Mesh Gates.

These gates are built of the best materials. Have a frame-work of extra heavy pipe filled with the very best grade of wire mesh. The frames are electrically welded and are air tight so no water can get in and rust out. They are braced with one diagonal and a short horizontal brace and two vertical ones, thus making a very strong rigid gate which will not sag.

Frame strong. Mesh is heavily galvanized and will not chip, flake or rust.

Peerless Gates are strong, durable and satisfactory. Will look best, wear best, and serve you best. We especially recommend their use with Peerless Wire Fencing.

Write for our Catalogue

We also manufacture a large and reliable line of farm and poultry fencing, walk and ornamental gates and fencing.

Agents almost everywhere.

Want live agents in unoccupied territory

Banwell-Hoxie Wire Fence Co.
Winnipeg, Man. Hamilton, Ont.

Fertilizers with High Percentage of Potash Increase Yields and Promote Maturity

This is a very important fact for the Western Farmer to note, since it often means the difference between SUCCESS and FAILURE to have his crops ripen one or two weeks earlier than they otherwise would, besides obtaining larger yields of superior quality. Another important point to note is that FERTILIZERS ARE EFFECTIVE FOR SEVERAL SEASONS AFTER THEIR APPLICATION, a feature which should never be lost sight of.

Properly balanced fertilizers, containing adequate supplies of Nitrogen, Phosphoric Acid and Potash, in the proper proportion demanded by the various crops, should be used in order to obtain the best results.

When one considers that in Great Britain and Germany, where fertilizers are most largely used, the average yield of wheat is more than 30 bushels per acre, even allowing for differences in climatic conditions, there seems every reason to believe that the yields of the wheat lands of the Dominion could be enormously increased by the judicious use of fertilizers.

In order to meet the increasing demand for information on this subject, a number of treatises on the fertilization of the various crops have been prepared by agricultural experts, amongst them are:

- "Artificial Fertilizers; Their Nature and Use"
- "Potash in the Prairie Provinces"
- "Fertilizing Grain and Grasses"
- "The Potato Crop in Canada"
- "Farmer's Companion," etc.

FREE copies of these publications as well as expert advice on soil and fertilizer problems may be obtained from

German Potash Syndicate

1105a TEMPLE BUILDING
TORONTO, ONT.

WHEN WRITING TO ADVERTISERS
PLEASE MENTION THE GUIDE

Farming for Profit

Continued from Page 8

The great breeding horse, Apukwa (145-67), a son of the famous Hiawatha (10067), comes second on the list, with 11 animals and 32 prizes. This is remarkably good work for an animal of his age. Dunure Footprint (15203), the five-year-old son of Baron of Buchlyvie, is in the third place, with 10 animals and 27 prizes. He gives promise of rivalling his great sire some day. Baron's Pride (9122), the great old champion which died more than a year ago, is fourth, with 18 animals and 25 prizes. Following him there is Hiawatha, with 9 animals and 18 prizes; Revelant (11876), with 18 animals and 17 prizes; Scotland Yet (14839) with 8 animals and 13 prizes; Everlasting (11331), with 7 animals and 12 prizes; Auchenflower (12007), with 5 animals and 11 prizes; Oyama (13118), with 6 animals and 10 prizes; Royal Favorite (10630), with 5 animals and 9 prizes, and Bonnie Buchlyvie (14032), with 6 animals and 8 prizes. Among these twelve sires there are six winners of the Cawdor cup.

A HOME-MADE HORSE POWER

The worst disposition which can be made of a worn-out farm machine of any kind is to lay it up by the fence in the doorway or barn-yard, to be an eyesore for years and a possible source of danger to domestic animals, or even to persons passing hastily or carelessly near it. The better plan is to take the machine to pieces, set aside any unsound or broken wood for fuel, sell whatever iron is not likely to be useful in its present shape, and carefully store away, in a suitable place, the remaining parts, whether of wood or iron, particularly bolts, gearing, etc. With a little ingenuity and perhaps a slight outlay of money, wheels and shafts from disabled reapers, mowers or other machines may be put together to form a light horse-power, which will be found very serviceable in driving feed-cutter, corn-sheller, or farm-mill. In the construction of a horse-power, certain general principles must be kept in mind, otherwise failure, more or less complete, will be the result. The different parts must be sufficiently strong to bear the strain to which they will be subjected; the bearings need to be true, and the whole so securely braced and held together that any slipping of cogs will be impossible. The rate of speed must be from seventy-two to one hundred and sixty revolutions of the cutting-box shaft for every one of the horse, the first being rather low for a six-foot, and the second rather high for an eight-foot sweep. Since some portion of the force employed is always lost thru friction, the fewer wheels to secure the required speed and direction, the better. Hardwood boxes are cheaper and are more easily adjusted than those made of metal, and if they are kept properly greased, last, perhaps, quite as long.

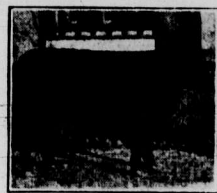
An excellent portable power can be made by taking a bevel-gearing from an old discarded brick-machine, a pair of spur-wheels from an ancient reaper, two or three shafts and a band-wheel from other sources—all odds and ends picked up cheaply here and there—arranging them to suit the purpose and fitting all but the band-wheel and one shaft in a stout frame. The odd shaft extends from the end of the frame some distance and carries the band-wheel at its further end, above which a feed-cutter stands on a loft and is run by a belt. From a pulley on the same shaft, power is conveyed to a grindstone and corn-sheller, which require a much lower rate of speed than the cutter. The crown wheel has fifty-four cogs, its pinion, eighteen; the spur-wheel has seventy-two cogs, its pinion, fifteen; the band-wheel is thirty-six inches in diameter, and the pulleys on the cutting-box six inches. The number of revolutions of the cutter-shaft to one of the horse are, therefore, eighty-six and two-fifths. A six-inch leather belt will seldom or never slip; a four-inch belt is quite too light. Two horses, attached to this power, cut cornstalks very rapidly. The crown-wheel has a tendency to rise and allow the cogs to slip. It must be kept down by friction wheels placed above the rim, or by a collar on the axle, working against the underside of the upper cross-piece, which, in turn, must be kept in place by a bolt or rod at each end, running up through the bed-piece, and secured at the top by means of a broad washer and stout nut.

AUCTION SALE Pure Bred Stallions and Mares

Nine Head—4 Stallions 5 Mares—at Wetaskiwin, Alta., on Thursday, 12th February, 1914. The Horses were purchased from one of the best breeders in Belgium and all guaranteed young and sound. The Stallions are guaranteed 65% Foal-getters. There will also be sold 25 head of Grades, consisting of Colts, Fillies and Work Horses. TERMS—On Pure-Breds, one-third cash; on Stallions and Mares three years time will be given on furnishing approved security on three equal payments. Interest at 8%—5% discount for cash. Terms on Grade horses will be arranged on date of sale.

GEO. L. OWEN, Auctioneer
Wetaskiwin, Alta.

JOSEPH F. SUYS, Owner
R.R. No. 1, Duhamel, Alta.



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Champion Steer
Chicago 1913

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Champion Producing Holstein Blood

A few choicely bred bull calves sired by prize-winning bulls and dams who are from the best blood to be found. Also a number of young cows, good milkers and in calf to our herd bull, who won first at the Dominion Fair, and who headed the dairy herd which won the cup at Dominion Fair this year. GLENLEA STOCK FARM, Office: 702 Grain Exchange, Winnipeg

The Great Canadian Annual Shorthorn Sale

WILL BE HELD AT

The Union Stockyards, Toronto On Wednesday, February 4, 1914

When Robert Miller, Stouffville; J. A. Watt, Elora; John Miller, Jr., Ashburn; Capt. T. E. Robson, London, and Kyle Bros., Ayr, Ont., will sell SIXTY-SIX PURE SCOTCH SHORTHORNS—24 Bulls and 42 Cows and Heifers. Every one a good one, but amongst them First Prize Winners in both sexes at our best Shows. The Grand Champion Bull at the Canadian National Show in Toronto, the First Prize Jr. Yearling, and several others that won first and second prizes there and at other good shows in Canada and the United States. There are numbers of high-class show animals in the offering. It is better than ever before in quality. The bulls are the best lot that have ever been sold in Canada. They come from the best herds in the country. All are young and valuable and they consist of Lavenders, Missies, Nonpareils, Butterflies, Augustas, Village Blossoms, Minas, Jenny Linds, Glosters, Miss Ramsdens, Kilblean Beauties, Golden Drops, Wedding Gifts and others.

Every animal in the sale is straight and smooth and attractive. They are valuable, but they will be sold. In past years many have been sold very cheap and resold for three times the price in some cases, but always at a profit. We want you to be there to get some of the bargains this year.

Ask for Catalog at once and mention The Guide

Col. JONES, Col. REPPERT and Capt. ROBSON, Auctioneers

ROBERT MILLER, Stouffville, Ont.
Manager of Sale