



THE UNION STOCK-YARDS Horse Exchange

WEST TORONTO, CANADA.

Auction sales of Horses, Carriages and Harness every Monday and Wednesday.
Private sales every day.
Come and see this new Horse Exchange. It will interest you. Also the quarter-mile track for showing and exercising.

HERBERT SMITH, Manager.
(Late Grand's Repository.)

Clydesdale Stallions and Mares!



A fresh lot has just arrived, including many prizewinners. Some extra big ones. Prices right. Inspection invited.

DALGETY BROS., LONDON, ONTARIO.
Stables Fraser House. Address correspondence to Dalgety Bros., Glencoe, Ont.

Shires, Shorthorns and Lincolns

At present we are offering a very choice consignment of imported stallions, mares and fillies received from the great Shire stud of R. Moore & Sons, Beeston Fields, Nottingham, England. They are a grand lot, and will be sold at right prices.
In Shorthorns we have a number of choice young bulls, three of them show animals; also an excellent lot of females—all ages.

JOHN GARDHOUSE & SONS, Highfield, Ontario.
Toronto, 14 miles; Weston, 3½ miles.



Long-distance phone.

CLYDESDALES AND SHORTHORNS.—Both imported and Canadian-bred, at Columbus, Ont., the Home of the Winners. Our last importation landed in August. They include the pick of Scotland, from such renowned sires as Baron's Pride, Everlasting, Baron o' Bucklyvie, Hiawatha, Marsells, Sir Everest, and Prince Thomas. We have on hand over 30 head to choose from, from the above noted sires, from 1 to 6 years old, and including stallions and mares. Correspondence solicited. Call and see them at our barns, Columbus, Ont., before purchasing elsewhere. Our prices are right. Long-distance phone in houses. Phone office, Myrtle station. Myrtle station, C.P.R.; Brooklyn station, G.T.R.; Oshawa station, G.T.R. **Smith & Richardson & Sons, Columbus, Ont.**



NEW CLYDESDALE IMPORTATION.



My new importation of 24 Clydesdale stallions is now in my stables. I invite inspection and comparison. I think I have the best lot for size, style, character, quality and action ever imported. 27 Clydesdale stallions and 8 Hackney stallions to select from. Prices right, and terms to suit.

T. H. HASSARD, MARKHAM, ONT.
POST OFFICE, PHONE AND STATION.

Clyde Park Imp. Clydesdales I have on hand for sale several imported Clydesdale stallions and fillies, also 3 foals. Parties wanting something extra well bred and of the big-quality kind should write me. They will be sold at a right price, and on terms to suit.
ALEX. F. McNIVEN, ST. THOMAS, ONTARIO.



IMPORTED CLYDESDALES, SHORTHORNS AND SHROPSHIRE!
I have on hand several Clydesdale stallions, as choice a lot as ever crossed the ocean. Missie, Stamford, Claret and Gem of Balcin Shorthorns; up-to-date in type and quality. 50 imported Shropshires, 30 ewe and 30 ram lambs from imported stock. Look me up at Toronto Exhibition horse barns. **THOS. L. MERCER, MARKDALE, ONT., P. O. AND STA.**



IMPORTED CLYDESDALES
My new importation for 1908 has now arrived—stallions and fillies—personally selected. Richest in breeding; highest in quality; with abundance of size and character. Sold on terms to suit. **GEO. G. STEWART, HOWICK, QUE.**



IMPORTED CLYDESDALES My new importation of Clydesdale stallions and fillies, landed a short time ago, are an exceptionally choice lot, full of flashy quality, style and character, and right royally bred. I will sell them at very close prices, and on terms to suit. **C. W. BARBER, Gatineau Point, Quebec.** "Close to Ottawa."



Clydesdales Imported and Canadian-bred. Our mares all are bred to Acme (imp.), the 8th best breeding horse in Scotland in 1907. Four male foals and one filly, all from high-class (imp.) mares, for sale right.
R. M. HOLBY, Sta. & P.O. Manchester, Ont., G.T.R.; Myrtle, Ont., C.P.R.



Clydesdales and Hackneys We have for sale a few choice Clydesdale mares, imported and Canadian-bred; also some Canadian-bred Clydesdale stallions. Hackney stallions and mares for sale always. **HODGKINSON & TISDALE, BEAVERTON, ONTARIO.** G. T. R. and C. N. R. Long-distance phone.



Imported Clydesdales I have still on hand 1 stallion, black, rising 4 yrs., by Carthusian, a Toronto winner; 1 rising 2 yrs., by Baron's Pride, 1 rising 2 yrs., by Danure Castle; 4 fillies, a Toronto first and second prizewinner among them. Every one of these is an extra good animal, and the price and terms are right.
T. D. ELLIOTT, Bolton, Ont.



Oak Park Stock Farm Co., Ltd., have at present for sale a choice selection of young **HACKNEYS** broken to harness, well worth the attention of the best buyers. A grand selection of pedigree **BERKSHIRE BOARS** and **SOWS** at moderate prices. Also 70 choice **SHROPSHIRE RAM** and **EWES** all bred from imported ewes, and sired by the best imported rams. Will be sold at times prices.
JAS. J. BROWN, Manager, BRANTFORD



IMPORTED SHIRES At their St. Thomas stables, the John Chambers & Sons Co., of England have for sale stallions and fillies from their noted Shire stud, high-class representatives of the breed. Correspondence solicited. Address: **DR. C. K. GEARY, St. Thomas, Ont.**

IMP. CLYDESDALE STALLIONS AND FILLIES.—Our new importation of stallions and fillies are the best we could select in Scotland, particularly well bred, with the size, smoothness and quality that Canadians admire. Show-ring stuff. Come and see them. Will sell on terms to suit. **JOHN A. BOAG & SON, Queensville P. O. Ont.; Newmarket Sta., G. T. R.** Telegraph and telephone one-half mile from farm. Metropolitan Street Ry. from Toronto crosses the farm.



All the pure-bred cattle have been raised under the ordinary conditions which obtain on any stock farm in this country.

All graze for the greater part of the year on the veld, night and day, with no other feed, but care is taken that the progress of the young cattle is not retarded, as is so often the case out here on account of the bad seasons, the supply of fodder grass on the farm being ample to counteract the deficiencies of nature in that respect. Special attention is, as a matter of fact, devoted to the early development of young stock in order to ensure their growing out into robust animals of good size.

The South Devons have proved themselves exceptionally hardy under the conditions which prevail in the northern part of the Orange River Colony, all the characteristics of the breed being well maintained, and the youngsters all being true to type. A special point is made that no "coddling" in any shape or form shall enter into the care of either the imported bulls or dams, which, although nearly always on the veld, have proved themselves practically immune against the many diseases which are the bane of the stock-breeder in the sub-continent. The herd presents a fine picture with its deep red coloring. There are a number of exceptionally fine young bulls bred from specially-selected cows, which give promise of rivaling the grand imported animals.

J. K. Evans, the general manager of the Pilgrims Mining and Estate Co., who has charge of Mr. Bourke's extensive landed interests in the Orange River Colony, is also a great believer in the utility of the South Devons, and he is grading up his large herd of mixed stock by using pure-bred South Devon bulls with very satisfactory results.

SHEEP AND HORSES.

While so much attention has been devoted to the cattle, sheep have not been neglected. Mr. Bourke at present possesses a flock of 700 Merinos, of which a good number are imported Australian ewes, the sires during the last three years being imported rams of the best class. One ram in particular, which has been in use for the past two seasons, has won a high place in the show-yards of the Antipodes on account of his superior qualities in wool and size. The flock at Karookom certainly gives the idea that great things may be expected from it.

Horses, too, come in for a share of attention. A few specially-selected mares are running on the farm, the well-known Natal Thoroughbred stallion, Conservator, reared by Sir T. K. Murray, being used as sire. Several of the foals look likely to maintain the reputation of the Orange River Colony as the horse-breeding colony of South Africa.

BERNARD BOURKE.

[Note.—The foregoing interesting description of agriculture in the Orange River Colony has been especially prepared for "The Farmer's Advocate" by a gentleman who is at present a student at the Ontario Agricultural College, Guelph, and who appears to be thoroughly familiar with the conditions of which he writes.—Editor.]

GOSSIP.

CANADA AND CANADIAN FRUIT IN BRITAIN.

The many thousands of excursionists who went up to London from all parts of England, have been practically unanimous on their return in stating that the Canadian Pavilion was the best at the Franco-British Exhibition, and this is the verdict that one hears re-echoed on every hand and from all sources, writes W. A. McKinnon, Canadian Trade Commissioner, in Bristol.

It is satisfactory to remark, he adds, that at the Royal Horticultural Society's exhibition of colonial fruit, the Provinces of Nova Scotia, Ontario and British Columbia were well represented, and obtained awards of gold medals. One notes with regret the absence of a display from Quebec, for Quebec has certain varieties of fruit which cannot be surpassed, if they can be equalled by any from the sister provinces. Individual exporters or co-operative associations might, with great advantage, provide exhibits of export fruit in commercial packages, such as they are prepared to furnish in quantities direct to buyers.

Formalin as a Disinfectant.

There is much popular misconception as to the value and limitations of the various disinfectants which are sold in this country, says U. S. Farmers' Bulletin 315, entitled Some Common Disinfectants. For this reason the following very brief description of some of the more common of them has been prepared. Full and complete descriptions of these substances may be found in the very excellent treatises of Rosenau, Rideal, and others.

Formaldehyde in Various Forms.—Formaldehyde (formic aldehyde) is available on the market as paraform (a sort of condensed formaldehyde, which is sold as a white powder or in the form of pastils), and also in aqueous solution generally known under the name of formalin. The solution is supposed to contain 40 per cent. of formaldehyde, though in reality the amount of formaldehyde present rarely exceeds 37 to 38 per cent. Formaldehyde may be used for disinfection in either a liquid or gaseous form.

Liquid Formaldehyde.—Solutions of formaldehyde are best prepared by making a 5 per cent. solution of formalin in water. This is applied directly to substances that require disinfection, and in the case of refuse, excreta and similar substances should be thoroughly mixed with them. A 5-per-cent. solution of formalin is generally regarded as superior to carbolic acid of the same strength as a general disinfectant.

Gaseous Formaldehyde.—In disinfecting with formaldehyde gas it is essential that the compartments to be disinfected be tightly closed so that a sufficient concentration of the gas may be held in contact with the infected substances a sufficient length of time. The temperature of the air is an important factor in securing efficient action, the formaldehyde being much more energetic in a warm atmosphere than in a cold. The best authorities state that gaseous formaldehyde disinfection should not be attempted if the temperature of the air is below 50 degrees F. The gas is most conveniently secured by liberating it from the concentrated aqueous 40-per-cent. solution or from the solid paraform. A number of methods for accomplishing this in practice have been devised.

The advantages and disadvantages of formaldehyde are summarized as follows: (1) It is one of the most powerful germicides known.

(2) Its action is not interfered with by albuminous substances.

(3) It is not poisonous and may therefore be used for disinfecting hay and grain without destroying these for food purposes.

(4) It is not injurious to delicate fabrics, paint, or metals. (Formalin solutions will attack iron, but not other metals.)

The disadvantages are, briefly, as below:

(1) The gas has a strong tendency to condense in cold weather and is not reliable as a disinfectant when the air temperature is below 50 degrees F.

(2) It is necessary to seal tightly all compartments which are to be disinfected with the gas in order that penetration may be secured and that the required concentration may be maintained for a sufficient length of time.

A hearty laugh had gone almost around over the story of the fisherman who, to locate the place on the lake where he had had good luck, cut a nick in the side of his boat.

"Almost around," for the Englishman sat solemn and silent. About five minutes later, however, he awoke with a roar of laughter, and when asked the trouble, replied: "Well, wouldn't it be a corking good joke if that fisherman got a different boat the next time he went out?"

"Ah," exclaimed Gritty George as he spruced up his mustache, "de chap that got up this summer booklet must have seen us campin' here."

"Why so, pard?" asked Sandy Pikes. "Why, on de very first page he says 'Here are many beautiful tramps hereabouts.'"

The New Minister—"Do you know who I am, my little man?"

John—"Billie—"Certainly. Don't you know who you are?"