

NOTICE TO STALLION OWNERS

The inspection of stallions under the Stallion Enrolment Act will commence October 18th. The Enrolment Report just issued gives date and time of inspection. Stallion owners will present horses promptly. For information write,

R. W. WADE
Secretary, Ontario Stallion Enrolment
Board, Parliament Buildings, Toronto.

AUCTION SALE OF Pure-bred Stock

*Under instructions from the Minister of
Agriculture, there will be held at the*

Ontario Agricultural College
Guelph, Ontario

ON
THURSDAY, OCTOBER 26th, 1916
at one-o'clock p.m.

A Public Sale of Surplus Pure-bred Stock

belonging to the Ontario Government, and comprising:—Shorthorn (beef and dairy), Holstein and Ayrshire cattle; Leicester, Shropshire, Oxford and Southdown Sheep; Yorkshire and Berkshire swine.

For Catalogues apply to

G. E. Day or A. Leitch, Ont. Agricultural College, Guelph, Ont.

Escana Farm Shorthorns

FOR SALE: Two imported bulls, proven valuable sires; 12 bulls, 10 to 20 months old, all by imp. sires and from high-class dams; also for sale 20 heifers and young cows, several with calves at foot, all of very choicest breeding and especially suitable for foundation purposes.

Mail orders a specialty. Satisfaction guaranteed.
MITCHELL BROS., BURLINGTON P.O., ONT.
Jos. McCrudden, Manager. Farm ¼ mile from Burlington Jct.

Robert Miller Still Pays the Freight—And he is offering in Shorthorns some of the best young bulls and heifers that can be produced. Young bulls fit for service, some younger still; heifers ready to breed and younger, and some in calf. They are of the best Scotch families and some of them from great milking families. They are in good condition and made right, just what you want to make a proper foundation for a good herd, and suitable to improve any herd in the land. They will be priced so that you can afford to buy, if you will tell me what you want. Our business has been established 79 years, and still it grows. There is a reason.
ROBERT MILLER, Stouffville, Ont.

Questions and Answers. Miscellaneous.

Concrete Posts—Dutch Sets.

1. What are the proper dimensions of a mould for making concrete fence posts? How are they made, and what is the proportion of cement and gravel to use? What should be used for reinforcement? Would coloring in the concrete be injurious to it?

2. What are the details in the production of Dutch sets? Are they produced from seed? If so, in what manner?

3. What preparation is used on cotton to be used on hot-beds to take the place of glass?

A. J. S.

Ans.—1. The size of mould would depend altogether on the use to be made of the posts. If they are for anchor posts, they should taper from 15 to 18 inches square at the bottom to about 12 inches at the top. Some make them even larger than this. Smaller posts would prove satisfactory for holding the fence. Posts eight inches square at the bottom and five inches at the top are sometimes used. A mould of the desired size is made out of ordinary lumber, the two sides and bottom being held firmly in place by clamps, or nails. A little concrete is placed in the bottom and reinforcement then laid in. For this some use heavy wire, bent in U-shape; others use angle iron and again a straight bar of iron or steel is sometimes used. The mould is then filled with concrete and thoroughly tamped. The one surface can be smoothed off and does not require a board. Staples should be inserted in one face of the post to hold the wire and care should be taken to space them according to the strands of the wire. Concrete is mixed in the proportion of one of cement to five of sand or gravel. In making these moulds it is only necessary to cut the board wider at the bottom than at the top. The sides are held against this and nothing is required on top. It must be remembered that a concrete post the same size as a cedar post, will not stand the same strain, unless well reinforced. However, if properly made

Canada's Grand Champion Shorthorns of 1914-1915

are headed by the great "Gainford Marquis" Imp. Write your wants.
J. A. WATT, ELORA, ONT., G.T.R. & C.P.R.

Scotch Shorthorns, Yorkshires, and Oxford Downs

Our Shorthorns are of the most noted Scotch families and the Scotch (imp.) bulls, Joy of Morning (imp.) = 32070 =, Benachie (imp.) = 69954 =, and Royal Bruce (imp.) = 80283 = have been used in succession. Two choice bulls of breeding age and heifers for sale. Also sheep and swine.

Erin Station, C. P. R. L.-D. Phone Geo. D. Fletcher, Erin, R. R. 1

OAKLAND SHORTHORNS 51 to select from. 20 breeding cows and as many choice heifers, many of them bred, also a lot of choice young bulls, all of the dual-purpose strain. All sired by choice bulls and registered and offered at prices to live and let live.
JOHN ELDER & SONS, HENSALL, ONT.

SPRING VALLEY SHORTHORNS

Herd headed by the two great breeding bulls, Newton Ringleader (imp.) 73783, and Nonpareil Ramsden 83422. Can supply a few of either sex.

KYLE BROS., DRUMBO, ONT. Phone and telegraph via Ayr

Spruce Glen Shorthorns

When in want of Shorthorns visit our herd. We have 70 head to select from. Minas, Fames, Miss Ramsden, Florences. Also several young bulls of breeding age—level, thick, mellow fellows and bred just right.

James McPherson & Sons, Dundalk, Ont.

GLENGOW SHORTHORNS AND COTSWOLDS
Pure Scotch in breeding, we have an exceptionally choice lot of bulls for this season's trade, ranging in age from 8 to 15 months, big mellow fellows and bred in the purple. Also ram and ewe lambs of first quality.
Wm. Smith & Son, Columbus, Ont. Myrtle, C.P.R., Brooklin, G.T.R. Oshawa, C.N.R.

ROYAL BREEDING SCOTCH SHORTHORNS

of high-class, fashionably-bred Scotch Shorthorns in calf to Sittytan Sultan's Dale, a Mina-bred son of Avondale, dam by Whitehall Sultan is of interest, come and examine my offering.

A. J. HOWDEN, COLUMBUS, ONT. Myrtle, C.P.R., Brooklin, G.T.R.

SHORTHORNS AND SHROPSHIRE—T. L. Mercer, Markdale, Ont.

Have sold all the Shropshires I can spare this season. Present offering in Shorthorns—ten really choice young bulls, sired by Broadhooks Golden Fame = 50018 = Imp. and out of such noted families as Campbell-bred Claretts, Nonpareils, Marr Missies, Stamfords, Crimson Flowers, Village Girls and Charming Jems, ranging from 9 to 16 months old. All good reds and roans.

IMPORTED SHORTHORNS 40 more imported Shorthorns have arrived home from quarantine. We now have 15 heifers in calf and 19 cows with calves at foot, also a few good imported bulls. They are all good individuals and represent the choicest breeding.
We can meet visitors at Burlington Jct. at any time if notified.
J. A. & H. M. Pettit, Freeman, Ont.

For Sale

2 imported Clydesdale Stallions, one French coach and two Hackneys ranging in price from \$500 to \$1,200, on easy terms. All are show horses. Warranted sound and sure, good workers and quiet to handle.

HENRY M. DOUGLAS, ELMVALE, ONTARIO

Choice Breeding SCOTCH SHORTHORNS High Quality

We are offering this fall the choicest lot of young herd headers we ever bred, several are of serviceable age, high in quality, rich in breeding. Also a number of heifers.

GEO. GIER & SON, WALDEMAR, R.M.D. Grand Valley Sta.

Maple Grange Shorthorns

Pure Scotch and Scotch-topped. Breeding unsurpassed. A nice selection in young bulls, and a limited number of thick, mossy heifers.

R. J. DOYLE, Owen Sound, Ontario

they will last practically a lifetime. Coloring matter can be used without any detrimental effect on the concrete.

2. There is nothing complicated about the growing of Dutch sets. However, it is necessary to have the ground in good tilth before attempting to sow the seed. As soon as the soil is prepared the seed should be sown in rows three to four inches wide, with about ten inches of space between the rows for cultivation. The seed is sown very thickly in these wide rows, some growers using from 80 to 100 pounds of seed per acre. This prevents the bulbs from growing very large. In early fall the sets are harvested and dried in small heaps in the field and cured on trays in storage houses which permit of an ample circulation of air. It is important that the soil be free from weeds, and that it contain plenty of plant food. The seed should be tested for germination before sowing, as it is necessary that the plants be thick in the rows. Growing sets requires a lot of labor, but the returns are fairly remunerative.

3. Unbleached heavy cotton cloth may be used as a substitute for glass on hot beds and the material used for dressing it is three pints linseed oil, one ounce acetate of lead, and four ounces of white resin. Grind the acetate in a little oil, then add the resin and the rest of the oil. Melt in an iron kettle over a fire until it is well mixed and apply it to the cloth while warm.

King Ferdinand of Roumania was born Aug., 1865, a son of Prince Leopold of Hohenzollern-Sigmaringen. He is a Roman Catholic. His wife, Queen Marie, is an English Princess, a daughter of the Duke of Edinburgh, brother of King Edward. . . The Prime Minister, who is also Minister of war, is M. Jou. J. C. Bratiano, a member of the Liberal party. The Liberal-Conservative leader, M. Take Jonescu, is one of the most prominent leaders of the Irredentist party, and is a most brilliant orator. He, as well as M. Filipescu, the former conservative war minister, have always been strongly on the side of the Allies. Roumania's Commander-in-Chief of the army is Gen. Hiesco, a man still in his early forties.