

BRUCE'S RECLEANED FARM SEEDS

The Seed Control Act of 1905, an Act respecting the inspection and sale of seeds, which took effect on the 1st of September last, makes it a criminal offence to sell or have in possession for sale, for the purpose of seeding in Canada, any seeds of Cereals, Grasses, Clovers, and Forage Plants, unless they are free from the seeds of certain noxious weeds, which are enumerated in the Act. The Act admits that absolute purity in respect to the seeds of the weeds named is not possible of attainment, and provides a minimum standard of purity under which seeds cannot be sold without the seller being held liable to the penalties imposed by the Act. Under the conditions named we have been scrupulously careful in selecting the best qualities obtainable, and with our excellent facilities for recleaning our seeds, our patrons' interests will be carefully safeguarded. Our Clovers and Timothy Seeds will be sent out in sealed bags, and samples of the seeds we offer have been tested in the laboratory of the Seed Department at Ottawa.

We offer for immediate orders, as market fluctuates, subject to being unsold, prices here, as follows:

SEED GRAINS, ETC.		SEED GRAINS, ETC.		CLOVER SEEDS.	
	Per bushel.		Per bushel.		Per bushel.
Barley, Improved, 6-rowed.....	\$0 70	Oats, Mortgage Lifter	\$0 65	Alsike, Extra Fancy	\$10 00
do Mandscheuri	75	do New Silver Mine	65	do Fancy	9 50
do Success	80	do Waverley	65	do Choice	9 00
do Hulless, white	1 20	do American Banner	60	do and Timothy, Mixed	4 50
do Hulless, black	1 20	do Australian White	65	do and White Clover, Mixed	8 00
Beans, white, hand-picked.....	2 10	do Giant Swedish	65	Crimson, Fancy	7 50
do Marrowfat, hand-picked.....	2 40	do Holstein Prolific	65	Lucerne, Fancy	9 00
do Soja or Soy	3 60	do Ligowo	65	do Choice	9 50
Buckwheat, Common	85	do Siberian	60	Red, Extra Fancy	9 25
do Silverhull	85	do Sensation	65	do Fancy	9 00
Corn, Compton's Early	1 25	do 20th Century	65	do Choice	9 50
do Angel of Midnight	1 25	Peas, Blue Prussian	1 20	Mammoth, Fancy	9 00
do Canada Yellow	1 25	do Golden Vine	1 00	do Choice	9 00
do White Flint, North Dakota	1 25	do Grass, Bug-proof	1 00	White, Extra Fancy	15 00
do Longfellow	1 25	do Potter	1 15	do Fancy	13 50
do King Philip	1 25	do Marrowfats	1 50	Yellow, Fancy	7 50
do Mortgage Lifter, New.....	1 10	Potatoes, Extra Early, Ohio	1 10		
do Butler Dent	1 10	do Bruce's White Beauty	1 10		
do Improved Laming	1 10	do Early Six Weeks	1 10		
do Cloud's Dent	1 10	do Pride of Aroostook, New	2 00		
do Cuban Giant	1 10	do Noroton Beauty, New.....	5 00		
do Mastodon	1 10	do Early Bovee	1 10		
do White Cap Dent	1 10	do Sir Walter Raleigh	1 00		
do Wisconsin White Dent.....	1 10	Rye, Spring	1 25		
do Selected Red Cob	95	do Speltz, per 40 lbs.....	90		
do do Mammoth White.....	90	Tares, Black	1 75		
do do Yellow Dent	85	Vetch, Hairy	5 50		
do Evergreen Ensilage, 40 lbs. ..	1 60	Wheat, Wild Goose	1 25		
Cow Peas, Whippoorwill	2 10	do Manitoba Red	1 40		
do do Mixed	1 85				
Oats, Scotch, Black Tartarian ..	1 20	Flaxseed, Screened	Per 100 lbs. \$3 00		
do Canadian Black Tartarian ..	70	do Meal, pure	3 25		
do Black Goanette	80	Oil Cake, fine ground	1 75		
do Daubeney	85	Rape, Dwarf Essex	6 00		
do New Scottish Chief	85	Sugar Cane, Amber	6 00		
		Kafir Corn	5 00		

Remit 20 Cents Each for Two-Bushel Cotton Bags; 25 Cents Each for Clover Seed Cotton Bags.

Our Beautifully Illustrated Catalogue of Seeds, Implements, and Poultry Supplies—96 pages—mailed free to all applicants.

LITTLE GIANT GEARED HAND SEED SOWER—The best seeder offered; gives universal satisfaction; \$1.75 each; smaller size, \$1.50 each.

JOHN A. BRUCE & CO., SEED MERCHANTS Established 1850 HAMILTON, ONTARIO.

6 Shorthorn Bulls 6

One two-year-old from imported Mayflower cow, and by an imported Archer bull. Also **BERKSHIRES**, 4 to 5 months old, bred from large show stock and prolific strains.

S. J. PEARSON, SON & CO.,
Meadowdale, Ont.
Stations: Streetsville and Meadowdale, C. P. R.

BELMAR PARK SHORTHORNS

10 bull calves.
16 heifers under two years.
All of the choicest breeding and practically all of show-yard quality. You can buy anything in the herd at a reasonable figure.

JOHN DOUGLAS, PETER WHITE, JR.,
Manager, Pembroke, Ont.

PLEASANT VALLEY SHORTHORNS

Herd headed by imp. Old Lancaster—50068—Grand champion, Toronto, 1905, and consisting of females of the leading Scotch families; can spare a few young cows bred to imp. Old Lancaster.

GEO. AMOS & SON, Moffat Stn. and P.O., C.P.R.

Glen Gow Shorthorns—Our present offering is 9 bulls, from 6 to 14 months of age, sired by Imp. Ben Loman and Imp. Joy of Morning, and out of imp. and Canadian-bred cows. Also a number of very choice heifers. No fancy prices asked. Long-distance telephone.

WM. SMITH, Columbus, P.O.
Brooklin and Myrtle Stns.

Oak Grove Shorthorns—Present offering is: Several imp. females, several heifers and several young bulls, all sired by Imp. Nonpareil Duke and out of imp. dams; also the stock bull, Imp. Nonpareil Duke, a choice offering. Prices right.

W. J. ISAAC, Cobourg Sta., Harwood P. O.
Co. Northumberland

SCOTCH-TOPPED SHORTHORNS.
Three young bulls, from nine to thirteen months old; also several young heifers by Scottish Baron (Imp.) for sale. Prices reasonable.

H. GOLDING & SONS, Thamesford, Ont.
Stations, Thamesford, C.P.R.; Ingersoll, G.T.R.

Sunnyside Stock Farm—8 superior young Shorthorn bulls for sale. All from imp. bulls, four from imp. cows. Good enough to place at head of any herd. Apply

JAMES GIBB, Brookside P.O. and Telephone.

Brown Lee Shorthorns—Present offering is 3 young bulls from 9 to 15 months old, a nice straight, good-doing lot, sired by Blenheim Stamp; also females of all ages, daughters of Imp. Sir Christopher and Imp. Beauchamp. Prices very reasonable.

DOUGLAS BROWN, Ayr P.O. and Station.

SHORTHORNS

- 2 imported bulls of gilt-edged breeding and of the finest quality.
- 4 bulls from imported sires and dams; thick, sappy, good feeders, from my best cows.
- 4 bulls from imported sires and from straight Scotch cows of the best breeding.
- 4 imported cows with calves at foot, or nearly due, on which I am making an interesting proposition.
- 6 cows and heifers, bred here from straight Scotch parents, a grand lot.

No man has ever been in such form in Canada to offer such **Shorthorns** as the above at such moderate prices. Ask for catalogue and prices, they say a lot, but the cattle will speak for themselves if you come and see them.

Am taking orders now for **SHOW or BREEDING SHEEP** of the following breeds: Shropshires, Oxford, Cotswolds, Southdowns, Dorsets or Hampshire, to be imported in time for the coming show season.

Telephone, telegraph, post office and railway address:

ROBERT MILLER, - Stouffville, Ontario.

GREENGILL HERD of high-class SHORTHORNS



We offer for sale 19 bull calves, 2 yearling bulls, a number of them from imported sire and dam; also high-class females, all ages, either imported or Canadian bred. The herd is headed by (Imp.) Lord Roseberry.

R. MITCHELL & SONS,
Nelson P.O., Ont.; Burlington Junc. Sta.

SHORTHORNS

Imp. Keith Baron 36050. Six young bulls from 10 to 18 months old. A lot of 2-year-old heifers in calf and a few young cows. A bunch of heifer calves, cheap.

CLYDESDALES

Just now: One pair of matched geldings 5 and 6 years old; show team.

JAS. MCARTHUR, Goble's, Ont.

BONNIE BURN STOCK FARM
Offers Scotch and Scotch-topped bulls, cows and heifers, 50 Shropshire rams and ewes, and Berkshire pigs, from imp. dams and sires, not akin. A bargain for quick sale.

D. H. RUSSELL, Stouffville, Ont.

Willow Bank Stock Farm | Established 1855
Shorthorn Cattle, Leicester Sheep.

Imp. Rosierucian of Dalmeny = 45220 = at head of herd. Choice young stock for sale.

JAMES DOUGLAS, - Caledonia, Ont.

HILLVIEW STOCK FARM SHORTHORNS, CLYDESDALES and COTSWOLDS

Present offerings: Choice young bulls and heifers. Also a few good young cows.

Apply to **JOHN E. DISNEY & SON,**
Stations: Greenwood, Ont.
Claremont, C.P.R.; Pickering, G.T.R.;
Brooklin, G.T.R.

1864 + HILLHURST FARM + 1905 SHORTHORN CATTLE

Herd of thirty. Stock bull:

Broad Scotch Hero (Scottish Archer (59893), Missie 134th, by William of Orange.

Butterfly 49th (Prince Horace, bred by W. S. Marr, Butterfly 46th (Sittytton Butterfly).

JAS. A. COCHRANE, o Compton, P. Q.

GLENAVON STOCK FARM. Shorthorns and Berkshires

Will be sold cheap if sold before the 1st of April, the following 3 bulls (Shorthorns) and one Berkshire boar

W. B. ROBERTS, Sparta P. O.
Sta.: St. Thomas, C.P.R., M.C.R., G.T.R.

MAPLE HILL SCOTCH SHORTHORNS
of best families. Herd headed by the grandly bred Lavender bull, Wanderer's Star = 4885 =.

A few choice young bulls.
Box 426. **WM. R. ELLIOTT & SONS, Guelph, Ont.**

QUESTIONS AND ANSWERS. Miscellaneous.

COAL ASHES AS FERTILIZER.

Are coal ashes of any use as a fertilizer? What would I do with them if not? Wishing you good success in the future.

SUBSCRIBER.

Ans.—They are of no use, except, perhaps, to lighten up a heavy clay soil, and for this purpose they have to be applied in considerable quantity. They help to make a good road, if used for that purpose.

DEPTH FOR FOUNDATION.

In building a stone wall for basement under barn, is it absolutely necessary to dig the trench deep enough so that frost will not penetrate to the bottom, or will a less distance do, provided a solid foundation is reached, at, say, 18 or 20 inches?

READER.

Ans.—The depth you mention is quite sufficient, especially if site be well drained.

HOW TO FIND AMOUNTS OF CEMENT AND GRAVEL NEEDED.

Please give the formula for finding out the amount of cement and gravel and stone filling it takes to build a wall. I would like to be able to figure it out. Some people have been asking me what amount of material it would take to build a square cistern to hold twenty barrels of water. How do you figure out how much of the different materials it takes to lay a stable floor under a barn, where the mangers are raised up, also how to find water content of cistern?

D. C. McF.

Ans.—A barrel of cement contains four cubic feet. That is sufficient for ordinary wall purposes, if good Portland cement is used to mix with one-fourth to one-third a cord of gravel (32 to 43 cubic feet). Find the cubical contents, in feet, of wall or floor, divide by 30, and up to 40, according to strength of concrete, and you have the number of large loads of gravel required, and at the same time the number of barrels of cement needed. Estimate for fine surface work has to be made separately. The more stone that is imbedded in the concrete, the less of other material is required. There are about six and one-fourth gallons in a cubic foot. To estimate the capacity of cistern, find cubical contents in feet, multiply by 6½, and you get the number of gallons it will contain.

HOMEMADE LIGHTNING RODS.

Give description how to make homemade lightning rods. You recommend nine strands of No. 9 wire twisted together.

A SUBSCRIBER.

Ans.—Find the total length of lightning rod needed, and run out the nine strands of wire, one after another the required length, allowing for six inches of shrink per 100 feet in the twisting. One end of the wires can be fastened to a stake, driven into the ground and well braced, by being passed through an auger hole, and the ends bent around and made firm; the other ends can be hooked one by one around the spokes of a wagon wheel close to the hub, care being taken to have wires of even length, and all fairly but not very tight. They will tighten and shorten a little while being twisted, so fasten ends securely. Have the wagon braced in some way to stand the draw, raise the wheel off the ground as if for greasing, and turn until the cable is twisted sufficiently. The rod can be attached directly to the building by staples, though some put corks under to give the appearance of being clear of it and separate. In case of an ordinary single barn, it is well to have the rod run along the whole length of the ridge, and descended at either end to the ground, thus having two ground connections. The ends should be buried at least six feet deep, if possible.

The upright points, which should be five feet high and about twenty feet apart, can be attached after the rod is in position, but before it is fastened down. Pieces of the rod for this purpose should have been cut off, each six and a half feet long, the extra foot and a half being for the purpose of being untwisted and wrapped around the main rod. This makes good electrical connection. The wires at the upper end of points should be opened up a few inches and spread apart, each wire end to be filed to a point.

T. B.