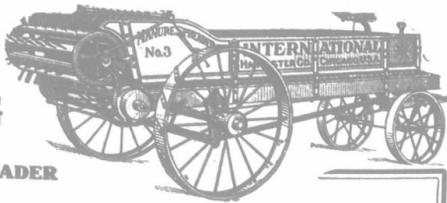


THINGS WORTH KNOWING

If you are going to buy A MANURE SPREADER

NO machine within his reach is capable of doing so much for the farmer as the modern manure spreader. But then it must be a machine with features—features of economy and efficiency. The I. H. C. Manure Spreader has such features. Any man of experience knows that a spreader only works perfectly when the load is level. The I. H. C. Spreader is the only spreader with a vibrating rake in front of the beater or cylinder which levels every load and any load of manure. Any man knows that the apron operates better when power is applied at both sides. The I. H. C. spreader apron is driven at both sides from both hind wheels. This saves all torsion, binding, friction and undue strain, and consequently saves breakages and results in lighter draft. One lever is better than many levers in operating any machine. The I. H. C. spreader is the only spreader which is controlled and operated entirely with one lever.



It has ten different feeds—can be adjusted instantly while in motion to spread three to thirty loads per acre. Large, solid, steel axles front and rear—front wheels cut under—turns very short. Steel wheels—no rotting or drying out. Broad faced tires with turned in flange to keep out dirt, mud, etc. Lightest and strongest. Provided with traction lugs on rear wheels—will work perfectly on hard, frozen or wet ground. Made in various sizes to suit all requirements. The I. H. C. spreader will distribute perfectly manure of all kinds—wet, dry, mixed, straw, full of stalks, frozen, caked, etc. It may be equipped with special features known as lime and drill attachments for distributing broadcast, or in drills, fine manure, commercial fertilizers, lime, ashes, salt, cotton seed hulls, land plasters, etc. Remember what we have told you—it is the manure spreader with special features which all make for success.

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"Bucket bowl" separator makers falsely claim to make separators with light, simple, easy-to-wash bowls. We are the only makers who dare show a picture of our bowl—all others would betray them. Other makers fear pictures. Our handsome Catalog Z. 108 tells these secrets. Write for it today.

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Demand a Look Inside DAIRY TUBULAR BOWL—All Apart

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The famous Reford Herd at St. Anne de Bellevue, Que., now owned by Sir William C. Macdonald.

Several yearling bulls for sale; also a number of bull calves, Quality and appearance extra good, bred from the best milking strains, noted for robust constitution and large teats.

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St. Anne de Bellevue, Quebec.

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Young bulls, 2 Aug., 1904, sired by Prince of Barckeskie (imp. in dam); 1 March calf, sired by Royal Star (imp.). Heifer calves, 2-yr.-old heifers and young cows. Young sows ready to mate. Pigs ready to ship. Prices right. Correspondence solicited.

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Ayrshire Cattle, Shropshire sheep, Berkshire pigs, B. P. Rocks and B. Orpingtons. Young stock for sale.

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Registered Ayrshires—Bright Smile of Maple Grove—1899—5 years old; gave 40 lbs. a day last year on grass alone. Due to calve April 1st. Lady Clare, rising two years; sire Signal of Maple Grove; dam Bright Smile, as above; in calf. Joseph Hudson, Lyn Ont.

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Can now offer one young bull, born last spring, and four bull calves, born in Aug., Sept. and Oct., from select cows, and sired by the great imp. bull, Sir Alta Fosh Beets. Any female in the herd can be secured at their value.

C. J. Gilroy & Son, Glen Buell, Ont.

SPRINGBROOK AYRSHIRES.

Gave over 7,000 lbs. of milk, testing 3.9 per cent. butter-fat, during 1905. For sale: One bull 4 years old, Comrade's Fancy of Glenora 15700; bull calves of this year; also females of all ages.

W. F. STEPHEN, O. Box 163, Huntingdon, Que.

Three prizewinning AYRSHIRE BULLS FOR SALE

One 5-year-old bull, 3rd-prize winner at Central Canada Exposition; one 2-year-old bull, 1st-prize winner at Central Canada Exposition, and one bull calf, 12 months old, 3rd-prize winner at Central Canada Exposition. These bulls are fit to head any herd in Canada. Terms reasonable. Write

A. KENNEDY & SON, Hillview Stock Farm, Winchester Stn., C. P. R. Vernon, Ont.

Ayrshire Bulls

For Sale 12 Ayrshire bulls one to two years old. Bred from deep milking stock, both by sire and dam. Price reasonable. Correspondence and inspection solicited.

W. Owens, Monte Bello, Que. Riverside Farm.

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FOR AYRSHIRES AND YORKSHIRES

Young stock of both sexes for sale from imported stock.

W. H. TRAN, Cedar Grove, Ont.

AYRSHIRES FROM A PRIZEWINNING HERD

Have some nice bull and heifer calves for sale at reasonable prices. For particulars, etc., write to

W. M. STEWART & SON, Campbellford Stn. Menie P.O., Ont.

SPRINGBROOK HOLSTEINS & TAMWORTHS

Two choice bulls, 11 and 12 months old, Toronto prizewinners, rich breeding; yearling Tamworth boar, 2nd prize at Toronto, good stock-getter; Tamworth sows, bred, and young pigs, pairs not skin. All high-class stock. Come and make your own choice. Prices right.

A. C. Hallman, Waterloo Co., Breslau, Ont.

QUEEN CITY HOLSTEINS

If you would like to purchase a young Holstein bull whose sire's dam has an official record of 550 pounds of milk and 26 pounds of butter in seven days, write to R. F. HICKS, Newton Brook P.O., York Co.

Holsteins at Ridgedale—A few choice bull and heifer calves on hand for sale, sired by Prince Pauline DeKol 6th. Ages up to ten months. Write for what you want, or come and see them. Shipping stations: Port Perry, G. T. R., and Myrtle, C. P. R., Ontario Co.

R. W. WALKER, Utica P.O., Ont.

With Cheese at 12c. and Butter at 25c. why not

Buy a Holstein Bull

and Improve Your Dairy Herd? I have them Right in Breeding, Right in Quality, Right in Price. Order early if you want one.

G. W. CLEMENS, ST. GEORGE, ONT. HILL AND CENTRE VIEW HOLSTEINS

95 head. Stock bulls bred on high-producing lines. Official records 15 to 22½ lbs. 20 bulls, 4 to 16 months, by our stock bulls, out of Advanced Registry dams. Females, all ages. Write quick. Guaranteed as represented.

P. D. EDE, Oxford Centre P.O. Woodstock Station.

QUESTIONS AND ANSWERS. Miscellaneous.

WILL CEMENT TILE ROT?

Will cement tile rot where they can't get air, say three feet under ground? A man told me that he heard a man say cement tile will rot where they can't get air. Has anybody had experience to know if that is true?

SUBSCRIBER.

Ans.—We cannot answer this question from experience, as cement tile have not been long in use, but we think it highly improbable that they would be affected by lack of air.

BUILDING ROOT-HOUSE.

I wish to make a root-house in the side of a hill (sandy soil). Should any special kind of wood be used for lining? Should there be bins for the potatoes, apples, etc.? Could you give a plan, and tell how it should be built inside?

W. G. W.

Ans.—For building root-house, cedar, if it can be had, should be used, as the earth outside and the moisture inside tends to rot the lumber or logs used very quickly. Root-houses are often very primitive structures, being made of split or sawn slabs eight feet long, so set up that the lower ends on opposite sides are eight feet apart, and the upper ends resting against each other, and the whole covered with earth. These, though crude, are serviceable, but we presume you wish something better. The walls should be lined with cedar plank, the roof can be of ordinary shingles, but should have a lining a few inches under, and the space filled with sawdust or shavings to keep out frost. The exposed end should also be double and filled between, with double door. Inside it would be well to have center aisle, with bins on either side for the fruit and vegetables to be stored. The floor could be made of cement concrete, which is not costly, and gives good satisfaction. Some provision should be made for ventilating in mild weather. We would recommend if the structure is to be permanent, and especially if it is to be largely underground, not only the floor but the walls also be built of cement concrete. A good cement wall is practically frostproof, and it is clean, strong and indestructible. In this section of country it is also cheaper than a good wooden wall. Roof as before described, or with a cement arch. T. B.

OYSTER-SHELL BARK-LOUSE.

In trimming my apple trees, I found one tree nearly covered with a sort of scale. Am sending sample. What is it? Will it injure the fruit and tree? S. K.

Ans.—This is the oyster-shell bark-louse, for illustrated description of which see "The Farmer's Advocate" of November 9th, 1905. Although destructive in all parts of Canada, the louse is not a particularly hard insect to control where trees are attended to regularly. Invigorate the trees by plowing around them, and feeding them with some quick-acting fertilizer, such as well-rotted manure or a dressing of wood ashes. When trees have been standing in sod, it is well to break this up. Trees which are planted too closely should be pruned and cleaned out, so that they may be easy of access for spraying and other operations. As soon as the winter sets in, the trees should have been sprayed thoroughly with thin lime-wash, one pound of lime in each gallon of water. Two coats must be applied, the second immediately after the first is dry. Where the lime-sulphur or the lime-sulphur-and-salt wash is used to protect trees against fungous and insect enemies, there will never be any trouble with the oyster-shell bark-louse. The young bark lice emerge from their mother's scales during June. The exact date should be watched for, and, immediately the dust-like yellow mites are noticed, the trees should be sprayed without delay with weak kerosene emulsion, or a whale-oil soap solution, using one pound to six gallons of water. In southwestern Ontario excellent work has been done in preventing the spread of this scale by a minute chalcid parasite, *Aphelinus mytilaspidis*. It is bright yellow in color, with golden eyes, and measures one-thirty-sixth of an inch in length, being so small it can hardly be seen with the naked eye. The parasite is sometimes so abundant that it destroys more than half the scales that are formed.

Ring-Bone

There is no case so old or bad that we will not guarantee Fleming's Spavin and Ringbone Paste to remove the lameness and make the horse go sound. Money refunded if it ever fails. Easy to use and one to three 45-minute applications cure. Works just as well on Sledbone and Bone Spavin. Before ordering or buying any kind of a remedy for any kind of a blemish, write for a free copy of Fleming's Vest-Pocket Veterinary Adviser. Ninety-six pages of veterinary information, with special attention to the treatment of blemishes. Durable bound, indexed and illustrated. Make a right beginning by sending for this book.

FLEMING BROS., Chemists, 45 Church Street, Toronto, Ontario

Cows from the ANNANDALE HOLSTEIN HERD

Have won during the past show season at Ottawa first and sweepstakes on cow, first on 3-year-old, first on 2-year-old class. At Guelph (dairy test) first and sweepstakes on cow, first and second in heifers. At Chicago (National) first and sweepstakes on cow, also second-prize cow, second and third on 2-year-olds, second on 1-year-old heifers, and a host of other prizes (different cows at different shows). Bull calves, 4 months and under only, for sale from great dams and greatest of sires. Buy young if you want them from Annandale Stock Farm.

GEO. RICE, Tillsonburg, Ont.

You need a HOLSTEIN BULL

to head your herd, sired by such noted sires as

Plebe De Kol, whose dam and sire's dam records average 619.9 lbs. milk, 37.31 lbs. butter in 7 days, or "Duchess Aegle De Kol Beryl Wayne," grandson of the famous "Beryl Wayne," 99 lbs. milk in one day, 27.57 lbs. butter in 7 days, 17.15 lbs. milk in 10½ months. We have 12 imported and home-bred bulls to offer of such breeding; also heifers and young cows. Just imported, 36 head in the past six months. If head from which to select. It will be to your interest to enquire before buying elsewhere.

H. E. GEORGE, Crampton, Ont. Seven miles from Ingersoll.

RIVERSIDE HOLSTEINS

80 head to select from. Six young bulls, from 4 to 7 months old, whose dams have official weekly records from 16 to 21 lbs. butter; sired by Johanna Bue 4th's Lad, a son of Sarcastic Lad, Grand Champion prize bull at World's Fair, St. Louis, 1904.

MATT. RICHARDSON & SON, Caledonia, Ont.

WOODBINE HOLSTEINS

Herd headed by Sir Mechtild Poesch, absolutely the best official-bred sire in Canada. Dam Ianthe Jewel Mechtild, 25.8 pounds butter in seven days. Champion cow of Canada over all breeds. Sire's dam, Aaltje Poesch 4th, holds the world's largest two-day public test record—8.6 pounds butter. Young bulls of the choicest quality for sale.

A. KENNEDY, Ayr, Ont.

Ayr, C.P.R.; Paris, G.T.R.

Lyndale Holsteins.

For Sale A number of bull calves from one to four months old, out of Record of Merit cows, and sired by Beryl Wayne Paul Concordia, whose four nearest dams have official butter records averaging 22 lbs. 11 ozs. each. We also have three young bulls fit for service.

BROWN BROS., LYN, ONT.

MAPLE GROVE HOLSTEIN-FRIESIANS

For Sale: Three bull calves, sired by Lord Wayne Mechtild Calamity, and all out of Advanced Registry cows. Apply.

WALBURN RIVERS, Folden's Corners.

Grove Hill Holsteins—Herd contains 55 head, in the advanced registry. Our stock bulls have all been backed up by high records. Present offering: Several young bulls and a few females.

F. R. MALLORY, Frankford P. O. and Sta., C.O.R.

"GLENARCHY" HOLSTEINS

We have for immediate sale several young bulls, and a number of young females, that for ideal type and superior quality, backed up by gifted breeding, are unsurpassed.

G. MACINTYRE, Renfrew P.O. and Sta.

HOLSTEINS AND CHESTER WHITES.

Our Holsteins are producers and prizewinners. Young bulls and a few choice heifers for sale, also some extra good young Chester White pigs, both sires. D. G. GODERHAM, Thornhill P.O., G. T. R. and street cars.

IMPERIAL STOCK FARM HOLSTEINS

A herd of pure bred herd of imported, officially tested cows. Bulls of all ages for sale, also a few cows. W. H. SIMMONS, New Durham, Ontario.