

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.
HOLSTEINS FOR SALE**



Four imported and one home-bred bulls from 8 to 12 months old; also our entire crop of spring bull calves, from week old up.

Sired by the grandly-bred imp. bull, Sir Howitz B. Pieterje, whose dam record is over 32 lbs. milk in one day, and from great-producing cows of the most fashionable strains. Can spare a few cows and heifers, from one year up; 75 head to select from. Cheese 13c. Don't delay if you want one from this herd.

H. E. GEORGE, Crampton, Ont.

WOODBINE HOLSTEINS

Hard headed by Sir Meethilde Posch, also lately the best official-backed sire in Canada. Dam Ianthe Jewel Meethilde, 25.9 pounds butter in seven days. Champion cow of Canada over all breeds. Sire's dam, Aaltje Posch 4th, holds the world's largest two-day public test record—6.6 pounds butter. Young bulls of the choicest quality for sale.

A. KENNEDY, Ayr, Ont.

A FEW HOLSTEIN BULLS

Fit for service, for sale at reasonable prices. Choice females, all ages. If you are willing to pay good prices for good stuff, write me.

G. W. CLEMENS, St. George, Ont.

Lyndale Holsteins.

For Sale A number of bull calves from Record of Merit cows, and sired by Beryl Wayne Paul Concordia, whose four nearest dams have official butter records averaging 23 lbs. 11 ozs each. **BROWN BROS., LYN, ONT.**

Centre and Hill View Holsteins

We have four yearling bulls left which we will sell at reduced price to quick buyers; from good producing strain: our own raising. Sold out of females at present **P. D. EDE, Oxford Centre P. O., Woodstock Station, C.P.R. and G. T. R.**

MAPLE GROVE HOLSTEIN-FRIESIANS

For Sale: Three bull calves, sired by Lord Wayne Meethilde Calamity, and all out of Advanced Registry cows. Apply **WALBURN RIVERS, Falden's Corners.**

MAPLE PARK HOLSTEINS

Home of the great De Kol Pieterje and Posch families. Schuiling Sir Posch, son of Annie Schuiling, testing over 4% butter-fat officially, and grandson of Aaltje Posch, stock bull. **S. MACKLIN, PROP., STREETSVILLE.**

Greenwood Holsteins and Yorkshires

For sale: A few richly-bred bulls from one to eighteen months old. Also a few choice females of all ages. Yorkshires of either sex. **D. Jones, Jr., Caledonia P. O. and Sta.**

"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 gilt-edged breeding, are unsurpassed. **G. MACINTYRE, Renfrew P. O. and Stn.**

Maple Glen Holsteins—Three sons of Sir Aaltje Posch Beca

whose grandam holds world's largest official record for her age, and grandsire has over 60 tested A. R. O. daughters—the most by any bull on record. Brother of Aaltje Cornucopia. Secure the best. **C. J. GILROY & SON, Glen Buell, Ont.**

Holsteins, Tamworths, Oxford & Dorset SHEEP FOR SALE.

At present we have 1 young bull, 8 Oxford ram lambs, Dorsets, 1 yearling and 1 aged ram. Tamworths, both sexes. **J. A. Richardson, South March P.O. and Stn.**

Glenwood Stock Farm Yorkshires.

Holsteins all sold out. Have a few young Yorkshires, about 2 months old, for sale cheap. True to type and first-class. Bred from imported stock. **THOS. B. CARLAW & SON, Warkworth P.O. Campbellford Stn.**

THE HAYES BULLETIN

DEVOTED TO ASTHMA & HAY-FEVER. Issued quarterly, containing short articles on the origin and cause, and the principles involved in the successful treatment of Asthma and Hay-Fever. Special Hay-Fever and Summer Asthma number now ready. Free on request. **DR. HAYES, Dept. D. D., Buffalo, N. Y.**

QUESTIONS AND ANSWERS. Veterinary.

LUXATION OF PATELLA.

Colt, three months old, seems to walk right, but when he trots there is a hitch in his gait, and one can hear a locking or cracking noise in the stifle. After running considerably the other day, I could move it forward and back with my hand. There is no lump.

Ans.—Apply once daily to stifle, particularly on inside, an astringent wash, as saltpetre, $\frac{1}{2}$ oz., to vinegar, 1 pt., or a strong infusion of oak bark. When taken into winter quarters, would recommend repeated light blisters.

Miscellaneous.

PEA-BUG REMEDY.

What very volatile substance is used to kill bugs in peas—the evaporating fumes doing the work—or any better method you may suggest?

Ans.—Carbon bisulphide is, we believe, the best remedy. The grain is put in air-tight bins or boxes, and the carbon bisulphide is applied either direct, as a fine spray, or placed in shallow pans placed on the grain, $\frac{1}{2}$ to $\frac{3}{4}$ lb. in each, at the rate of 1 to 3 lbs to 100 bushels of grain. The liquid volatilizes rapidly, and the fumes sink through the peas, killing the bugs.

REMOVING WARTS FROM BULL.

I have a Holstein bull, sixteen months old, with warts on its back. Let me know how I can take them off. I have tried castor oil, but it is no good.

Ans.—If warts have a slim base, they may be clipped off with sheep scissors, and touch the wound with caustic potash or butter of antimony, with a feather, carefully, once a day. Some veterinarians advise applying glacial acetic acid once per day to the warts. Try, and report results.

CURING CORN WITHOUT SILO.

Would corn keep all right if cut and put into a mow of a barn?

Ans.—Unless shocked up and well cured for a couple of weeks, or more, in the field, the corn would mould and spoil if put in a mow. Even after curing it must be put in with the stalks erect, not lying horizontally. The best plan will be to cut, and set up in shocks of about thirty-six or forty hills. Then, when dry, husk, if worth husking, and tie the stalks in bundles of convenient size. Then stand these up in large shocks, either in the field or near the barn, combining half a dozen or more of the original shocks. Tie well with twine, drawing the tops close together. A similar plan can be followed with unhusked shocks. It is, perhaps, better than putting them in a mow to feed rats and mice. Some stand a long row of corn shocks along a straight rail fence. It may be stood up thus when green, but we prefer the more compact shocks, which will weather with less waste, and be handier to get at for daily feeding.

FILTERING ROOF WATER.

I have a large round tank in the chamber of my house, which is elevated over three feet from the floor, and the water from the roof, which is a metal one, is conducted into said tank. Can this water be filtrated so as to make it fit for table uses, and, if so, can you give me information I require to get a filter made, and how to work it? I think said filter should be independent of tank and on the outside.

Ans.—The necessity for filtering water, and the method by which it is to be accomplished, depend upon the character of the substances held in suspension or solution by the water. The first to be mentioned are mineral sediments, consisting of gravelly pebbles, disintegrated rock and sand. It is not likely that there would be any of this to be filtered from the water in this instance. In any event, a condition of separation of mineral substances is, generally, quietude for a short time, during which the substances will settle to the bottom. Other mineral impurities consist of fine silt and clay, so fine that the process of separation by gravity is very slow. The filter about to be described below will generally remove substances of this character. Next come organic impurities, consisting of animal leaves and other

vegetable matter. These have so nearly the same specific gravity as water that the process of separation by gravity cannot be waited for, and, besides, these substances, being partially soluble, leave the water tainted even after their solid parts have been removed.

It must be borne in mind that the finest filters, acting mechanically, can remove only solid impurities. Impurities that have passed into solution yield only to chemical treatment. If the water be strongly impregnated with vegetable solutions, it would be wise to let it alone and seek a supply from some other source for table use. In this instance, the rain water falling upon a metal roof, unless it is situated close to a factory, is not likely to have anything objectionable contained in it that cannot be removed by mechanical filter.

A filter of this sort should consist of a basin or tank containing about 4 square feet of surface; that is, if square, should be 2 feet square; and should be 7 to 8 feet in depth; the filter so placed that the top of it is as nearly as possible level with the top of tank which supplies it. As to the material of the filter, it should consist, from the bottom upward, of, first, a drain pipe, having joints or perforations for receiving the water; second, one foot of coarse gravel; third, one foot of fine gravel; then from one to two feet of medium sand. Care should be taken to have the material of these layers of uniform grade. Each grade should be sifted, and the finer, as well as the coarser, grades removed. Any want of uniformity in the size of the particles composing each layer will interfere seriously with their permeability. In order to furnish a sufficient head to force the water through the filter, there should be a depth of about 3 feet of water above the filter.

If there is much solid material in suspension in the water, it will be caught in the top layer of the filter, and will gradually clog the filter. The top layer should, therefore, be occasionally examined and renewed when required, by scraping off until clean sand is reached, and replacing to the required depth with fresh sand.

J. B. REYNOLDS.

Ontario Agricultural College.

GOSSIP

GEO. MILLER'S SALE.

This is the last call for Mr. Geo. Miller's sale of Shorthorns and Southdowns, announced in our last week's issue. This sale will be held on Tuesday, Sept. 25th, at the farm, lot 19, con. 10, Markham, four miles from Markham, G. T. R., and Locust Hill, C. P. R. This is positively the last chance that will ever be offered to get, at your own prices, blood representative of the strain that won so many prizes and did so much good for the late Mr. George Miller, of Rigfoot Farm, one of the earliest importers of Shorthorns. They are a big, heavy-fleshed lot, in prime condition, and are nearly all topped with Scotch imported bulls. The Southdowns have few equals as a flock, having always been kept up with fresh imported blood. There will positively be no reserve, as Mr. Miller has sold the farm, and is moving to Texas. There will also be offered 20 head of grade cattle. Geo. Jackson, of Port Perry, will wield the hammer. Remember the date, Tuesday, Sept. 25th, at 1 p. m.

The attention of dairy farmers throughout the Dominion is called to the advertisement in this paper of the dispersion sale of the grand herd of Ayrshire cattle belonging to Hon. W. Owens, to take place on October 17th, at his farm, at Montebello, Quebec, on C. P. R., north shore, between Montreal and Ottawa. Senator Owens has been the purchaser of many high-class animals in recent years. The herd ranks among the best in Canada, and this sale offers a fine opportunity to secure first-class dairy stock. Send for the catalogue.

Mr. J. B. Hogate, Weston, Ont., the well-known importer of heavy-draft horses, writes us from France, under date of Aug. 23rd, in which he says: "I have purchased 20 Percheron stallions, and am leaving today for England and Scotland to buy 10 Clydesdales and Shires, which will be shipped as soon as they can be got together."

IF WOMEN ONLY KNEW

Thousands of women suffer untold miseries every day with aching backs that really have no business to ache. A woman's back wasn't made to ache. Under ordinary conditions it ought to be strong and ready to help her bear the burdens of life.

It is hard to do housework with an aching back. Hours of misery at leisure or at work. If women only knew the cause, Backache comes from sick kidneys, and what a lot of trouble sick kidneys cause in the world.

But they can't help it. If more work is put on them than they can stand it's not to be wondered that they get out of order. Backache is simply their cry for help.

DOAN'S KIDNEY PILLS

will help you. They're helping sick, overworked kidneys—all over the world—making them strong, healthy and vigorous. Mrs. P. Ryan, Douglas, Ont., writes: "For over five months I was troubled with lame back and was unable to move without help. I tried all kinds of plasters and liniments but they were no use. At last I heard tell of Doan's Kidney Pills and after I had used three-quarters of the box my back was as strong and well as ever."

Price 50 cents per box or three boxes for \$1.25, all dealers or The Doan Kidney Pill Co., Toronto, Ont.

GROVE HILL HOLSTEINS—We now offer for sale our stock bull, Verbeke 4th's Count Calamity, Born December, 1902. Only two of his daughters have been tested, and both are in Record of Merit. He is a show animal, and a persistent stock-getter. If you want a bargain write: **F. R. MALLORY, Frankford P. O. and Stn., C. O. R. Trenton Stn., G. T. R.**

HOLSTEINS AND YORKSHIRES
R. HONEY, Brickley,

offers for sale a choice lot of young boars fit for service; also sows ready to mate.

HILTON STOCK FARM—Holsteins, Cotswolds and Tamworths—Present offering: Some young cows; a nice lot of young pigs; few boars six months old, and sows in pig. **F. R. MORROW & SON, Hilton P. O., Brighton Tel. and Stn.**

Pine Ridge Jerseys—Present offering: Some good young cows and a choice lot of heifers, all ages, from 4 months up; also some good Cotswold sheep (registered). **WILLIAM WILLIS, Newmarket, Ont.**

HIGHGROVE JERSEY HERD. Our present offering is: a few choice heifer calves from 2 to 8 months old, which, considering quality, will be sold reasonable. **ROBT. TUFTS & SON, Tweed P.O. & Sta.**

Brampton Jersey Herd For sale: 10 bulls, descended from St. Lambert or imported stock; also females of all ages. For full particulars address: **B. H. BULL & SON, 'Phone 68, Brampton, Ont.**

AYRSHIRES

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.

For particulars apply to

MACDONALD COLLEGE
St. Anne de Bellevue, Quebec.

Wardend Ayrshires We are offering young bulls from 1 to 2 years old; also a choice lot of spring calves from deep-milking dams. Sired by White Prince of Menie No 1825; bred by A. Hume, Menie, F. W. TAYLOR, Wellman's Corners, Hoard's Stn., G. T. R.

Select Ayrshire Bulls—Four choice last Aug. and Sept. calves. Special low price on five March and one May calves. 'Phone to farm. **W. W. BALLANTYNE, Neidpath Farm, Stratford Ont.**