

QUESTIONS AND ANSWERS. Miscellaneous.

COAL ASHES.

Would you be kind enough to answer, in your paper, whether coal ashes are good for trees or strawberries, or are they of any value? L. K. J.

Ans.—No particular good as a fertilizer; are put to a good use on walks or roads, or about yards.

MILK TESTER.

I have a twenty-four-bottle milk-tester, the machine and testing bottles. 1. What more is necessary to make it a complete milk-tester?

2. How long can the milk be kept with bi-chromate of potash for testing purposes?

Please give full particulars how to run. C. A. N.

Ans.—1. In testing milk for fat, one requires: properly-graduated bottles, a 17.6 cc. (cubic centimetres) pipette, a 17.5 acid measure, commercial sulphuric acid, hot water, and the Babcock machine.

2. Generally, milk so kept is tested every month or three weeks. Would advise reading Canadian Dairying, by Prof. Dean; price \$1, through this office.

PUMP IN DRIVEN WELL.

Last summer I put down a drive well, 26 feet, and there is 26 feet of water, but the pump will not lift it out of the pipe. I have tried the pump in a barrel of water, and it works well. What do you think is the matter, or what shall I have to do to get it to work? M. J.

Ans.—The trouble is the air cannot get into the pipe to force the water into the pump. You see, when the pump handle is lowered, it raises the sucker from the bottom of the pump, leaving behind a vacuum. Into this vacuum the air pressure in the well forces the water, but in your well there is no provision for the entrance of air, hence the water is not forced into the pump. You had better make holes in the cap over the pipe, or if the pump is the same size as the pipe, make the hole in the side of the pipe.

VEHICLE AND PURCHASER.

A buys a farm from B, to get possession in a year from time of purchase.

1. Can B cut any standing timber?
2. Can he cut any lying timber, or loose logs in bush, or swamp?
3. Does the straw from this year's crop belong to B?

4. Does the horse-fork and track in barn belong to B? A SUBSCRIBER.

Ans.—If there be no express provision upon the subject in the agreement between the parties, or reservation in B's favor in the deed of conveyance, assuming that there has been a delivery of deed, we think that the questions submitted may be properly answered as follows: 1. No. 2. No, with the exception of such as he may require for his own use on the premises, and while still in possession of same under the agreement.

3. Yes, if harvested during the year from date of purchase.

4. Yes, unless attached to the building, and as though intended, when put in position, to form part of the premises, and be regarded as fixtures.

NON-REPAIR OF ROAD.

Supposing, while driving on the road, I came to a place where the road was impassable. I got my horse down and get it badly cut.

1. Is the township responsible for damages?

2. And what can I collect? The path-master was notified to fix the road, but neglected doing so.

Ont. AN OLD SUBSCRIBER.

Ans.—1. It is probable that the municipality is so liable; but there are so many circumstances to be taken into account in determining the question, and as to which we are not informed by your statement, that we cannot venture any more definite answer. But to hold the municipality to their liability, if any there be, it is necessary to give the municipal corporation very promptly certain notices of injury and action, and a solicitor ought to be seen and instructed in the matter at once.

2. In the event of the municipality being held liable, you would be entitled to such an amount as would fairly compensate you for the lessened value of the animal, the temporary loss of its services, and expenses in respect of veterinary's attendance, medicines, etc.



Burdock Blood Bitters

holds a position unrivalled by any other blood medicine as a cure for

DYSPEPSIA, BILIOUSNESS,
CONSTIPATION, HEADACHE,
SALT RHEUM, SCROFULA
HEARTBURN, SOUR STOMACH,
DIZZINESS, DROPSY,
RHEUMATISM, BOILS,
PIMPLES, RINGWORM, or any disease arising from a disordered state of the Stomach, Liver, Bowels or Blood. Who you require a good blood medicine get BURDOCK BLOOD BITTERS.

Shorthorns and Clydesdales.

We are now offering an extra good lot of young bulls, home-bred and imported; also stallions, and a few young mares which are in foal.

JOHN MILLER & SONS,
Claremont Sta., O.P.R. on Brougham P.O.

OAK LANE STOCK FARM.

Shorthorns Cotswolds
Yorkshires and Barred Rock Fowls.

Imported and Canadian-bred Shorthorns. Open to take orders for N.-W. trade. Write for prices. Satisfaction guaranteed.

GOODFELLOW BROS., MACVILLE, ONT.

JOHN DRYDEN & SON

BREEDERS OF

CRUICKSHANK
SHORTHORNS
AND
SHROPSHIRE
SHEEP.



Catalogue of twelve young bulls of choicest breeding—straight legs, strong bone, thick flesh, good size, splendid quality—sent on application.

Station and Post Office, Brooklyn, Ont.

HUNTLYWOOD FARM SHORTHORNS AND SOUTHDOWNS

We have for sale two fine young bulls of the noted Broadhooks tribe and one Secret. Write for prices.

W. H. GIBSON, Mgr., Point Claire P.O., Quebec

Spring Grove Stock Farm

Shorthorn Cattle and Lincoln Sheep.



HERD prize and sweep stake at Toronto Industrial Exhibition, three years in succession. Herd headed by the Bruce Mayflower bull, Prince Sunbeam, Imp. Present crop of calves sired by Imp. Wanderer's Last, sold for \$2,005. High-class Shorthorns of all ages for sale. Also prize-winning Lincolns. Apply on

T. E. ROBSON, ILBERTON, ONT.

T. DOUGLAS & SONS,

STRATHROY STATION & P.O.,

BREEDERS OF Shorthorns and Clydesdales

85 Shorthorns to select from. Present offering: 14 young bulls of splendid quality and serviceable age, and cows and heifers of all ages. Also one (imp.) stallion and two brood mares.

Farm 1 mile north of town.

Sunnyside Stock Farm. JAMES GIBB, Brookside, Ontario.

Breeder of high-class SHORTHORN CATTLE (Imp.) "Brave Ythan" at head of herd.

Stock for sale.

GOSSIP.

Mr. David Barr, Jr., Renfrew, Ont., makes a change in his advertisement of Large English Yorkshire hogs, bred straight from imported stock, true to type. See the advertisement.

A second-hand De Laval cream separator is advertised for sale by Miss E. Jones, Brockville, Ont. The Jersey herd having been dispersed, accounts for its being offered.

If you want to know how to raise calves cheaply and successfully without milk, address Chas. Cowan, London, Ont., agent for Blatchford's calf meal, which has secured a good reputation for this purpose.

HOLSTEIN MILK AND BUTTER RECORDS.

Following is a brief summary of the official records of Holstein-Friesian cows that have been approved from March 24th to April 4th, a period of eleven days. They were made under the careful supervision of agricultural experiment stations, and the butter estimated on the basis of 85.7 per cent. of a pound of fat to a pound of finished butter—the rule of the American Association of Agricultural Colleges and Experiment Stations.

The phenomenal record of this period was that of a cow that freshened at 4 years 11 months 4 days of age. Eleven days thereafter she commenced a thirty-day record in which she produced 2,640.3 lbs. milk, containing 110,093 lbs. butter-fat, equivalent butter, 128 lbs. 7.1 ozs., an average of 88 lbs. milk, 3.67 lbs. fat, equivalent butter, 4 lbs. 4.5 ozs. per day. Her highest production for seven consecutive days was 659 lbs. milk, 27.459 lbs. fat, butter 32 lbs. 0.6 oz.

A thirty-day record of a two-year-old heifer was also approved. She dropped her calf at 2 years 2 months 14 days of age, and commenced her test twenty-five days thereafter. She produced 1,339.5 lbs. milk, 42.270 lbs. fat, equivalent to 49 lbs. 5 ozs. of butter.

Of the seven-day records twelve full-age cows averaged, age 6 years 10 months 25 days, days from calving, 21: Milk 434.8 lbs., fat 15.011 lbs., equivalent butter 17 lbs. 8.2 ozs. Seven four-year-olds averaged, age 4 years 3 months 28 days, days from calving, 17: Milk, 445.4 lbs., fat 16.435 lbs., equivalent butter 19 lbs. 2.8 ozs. Eight three-year-olds averaged, age 3 years 5 months 16 days, days from calving 53: Milk, 348.2 lbs., fat 11.485 lbs., equivalent butter, 13 lbs. 13.1 ozs. Eleven classed as two-year-olds averaged, age 2 years 5 months 19 days, days from calving 28: Milk, 313.7 lbs., fat 10.306 lbs., equivalent butter 12 lbs. 0.4 oz.—S. Hoxie, Supt. of Advanced Registry.

TRADE TOPIC.

HINT TO MILKMEN.—The Baltimore Sun relates an incident of the visit of some poor children to a dairy in the country. In the course of the inspecting tour about the place the children were treated to a glass of milk. Each of the little fellows drained the glass eagerly, and upon being asked by the proprietor how they liked the milk, one little waif replied, "Gee, fine"; then, after a moment's pause, "wish our milkman kept a cow." The boy was incorrect in his supposition that the poor quality of milk delivered to the city patrons is due to the failure of the dairymen to keep cows. The trouble is in the failure of the milkmen to give the milk care. Unless preventive measures are taken, milk is seriously contaminated at the time it is drawn, by germs. The air, the milk-vessels and the bodies of the animals all contribute a goodly number of injurious germs, unless disinfection is practiced. The remedy is to spray Zenoleum about barns and buildings. It kills germs—it makes pure air. Dirty milk means dissatisfied customers, poor butter and unsatisfactory results all around. Zenoleum has so many uses that it is a necessity. It is made by the Zenner Disinfectant Company, 113 Bates Street, Detroit, Michigan. They have published two booklets which describe fully the various uses for Zenoleum. They are free to readers of this paper who request them. We would suggest that you secure copies of them before the supply is exhausted.

THOROLD CEMENT AND PORTLAND CEMENT

FOR BARN WALLS AND FLOORS,
HOUSES, SILOS, PIGPENS,
HENHOUSES; AND SEWERS,
TILE, ABUTMENTS AND PIERS,
FOR BRIDGES, GRANOLITHIC
SIDEWALKS; IN FACT, FOR ALL
WORK THAT CAN BE DONE
WITH CEMENT.

Estate of John Battle THOROLD, ONT.

WHOLESALE IN CAR LOTS ONLY.

Queenston Heights Shorthorns

Derby (Imp.), a Jamieson-bred "Secret," at head of herd. Write for what you want.

HUDSON USHER, - QUEENSTON, ONT.

o Farm 3 miles north of Niagara Falls.

IMPORTED SHORTHORNS AND CLYDESDALES

15 imported Scotch Shorthorn heifers, all in calf or calves at foot; 2 imp. bulls both in pedigree and individually these animals are gilt-edged. Four three-year-old imported Clydesdale fillies, very large and A1 quality.

ALEX. ISAAC, o Cobourg P.O. and Station

DOMINION SHORTHORN HERDBOOK WANTED.

The Dominion Shorthorn Breeders' Ass'n will pay \$1 each for any of the following volumes of their herdbooks: Volumes 7, 8, 9, 10, 11, 12, 13, 14, 15; also 1st vol. Clydesdale Stud-book, and 1st vol. Dom. Ayrshire Herdbook. Send by express if possible, unpaid (if by post, postage will be returned with price).

HENRY WADE, Sec'y, TORONTO, ONT.

SHORTHORNS AND SHROPSHIRE.
FOR SALE: Young bulls and heifers from best blood. Shearings and lambs bred from imp. stock on side of sire and dam. Prices reasonable.
o E. E. PUGH,
Claremont P.O. and C.P.R. Sta.

W. G. PETTIT & SONS

FREEMAN, ONT.,

Importers and Breeders of

Scotch Shorthorns

110 head in the herd, 40 imported and 20 pure Scotch breeding cows. Present offering: 3 imported and 6 pure Scotch from imported sire and dam; 6 Scotch-topped from imported sires; also imported and home-bred cows and heifers of the most popular type and breeding. A few choice show animals will be offered.

Burlington Jct. Sta. Telegraph & Telephone

HIGH-CLASS SHORTHORNS.

8 heifers, in calf to an imported Scotch bull; 6 bulls ready for service; about 15 heifer and bull calves, from 3 to 12 months old. Prices very reasonable, considering quality. Inspection invited. FRANK W. SMITH, Walnut Farm, Scotland, Ont. o

5 SHORTHORN BULLS

1 red imported bull, coming 3 years; 2 bulls imported in dam, one red and one roan, coming 1 year; 1 red from imported sire and dam; 1 red, sixteen months, from Scotch dam and sire; also heifers of all ages for sale.

ALEX. BURNS, ROCKWOOD P.O. and STATION, G.T.R.

First-class Shorthorns—Young cows and heifers of fashionable breeding. Also Shropshires of different ages. Write for prices, etc., to T. J. COLE, Bowmanville Stn., G.T.R. o Tyrone P.O.

High-class Shorthorns—Two bulls ready for service. Also young cows and heifers of different ages, of the Lavina and Louisa families. For prices and particulars apply to BROWN BROS., Lakeview Farm, Onondago P.O. Newcastle-Station, G.T.R. o

Hawthorn Herd OF DEEP-MILKING SHORTHORNS.

FOR SALE: Five young bulls, also a few females, by Scotch sires. Good ones.

Wm. Grainzer & Son, Londresboro, Ont.

CEDARDALE FARM. For Sale, two richly-bred bulls, 9 months and two years old, one sired by Lord Gloucester 28995, the other by Royal Standard 27131; also some good cows in calf, and heifers, all good Scotch blood. DR. T. S. SPROULE, Markdale P.O. and Station. o

MAPLE LODGE STOCK FARM, 1854

Am offering a very superior lot of Shorthorn Bulls and Heifers as well as something VERY attractive in Leicesters.

Choice ewes got by imported "Stanley" and bred to imported "Winchester." Excellent type and quality. om A. W. SMITH, MAPLE LODGE, ONT.

In answering any advertisement on this page, kindly mention the FARMER'S ADVOCATE.