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Strength and Looks—Price and Wear
Johnson Ideal Halter Co., Sarnia, Ontario

BE AT THE TOP

Aberdeen - Angus Cattle will put you there in beef production.

Why?

1. They are most economical feeders.
2. They produce a well marbled, high quality flesh, with the highest percentage of natural flesh.
3. They dress out the highest percentage.
4. They are potted and there is not any damage from horns.
5. They out sell all others on the Commercial Market.

When the market drops Aberdeen-Angus cattle will save you.
Write for free information and literature just published.

Get your name on our mailing list.

CANADIAN ABERDEEN-ANGUS ASSOCIATION

F. W. Crawford, Secretary, Brandon, Man.

Pure-Bred Breeder Wanted

Wanted: A retired farmer, preferably an experienced pure-bred dairy cattle breeder, to visit pure-bred stock breeders as special representative. Salary \$40.00 per week and expenses. Applicants would be admitted as partner in the business by taking a reasonable amount of stock. This is an old established concern paying splendid profits.

Give full description in first letter, with bank references, and personal interview will be arranged. All information strictly confidential. Apply

Desbarats Advertising Agency
45 Jarvis St. Toronto

Aberdeen - Angus

A few typey young bulls and females to offer, of choice breeding and individuality.

Shropshire and Southdown Sheep

Yearling Rams and Ewes for breeding purposes or fitted for the show ring.

Inspection invited, satisfaction assured.

Larkin Farms - Queenston, Ont.

Sunny Acres

Aberdeen - Angus

Present offering—A few young bulls ready for service.

G. C. CHANNON, Oakwood, Ontario
Telephone—Oakwood. Railway—Lindsay,
G. T. R. and C. P. R.

Aberdeen-Angus

Meadowdale Farm
Forest, Ontario

Alonzo Mathews
Manager

H. Fraleigh
Proprietor

ALLOWAY LODGE STOCK FARM

Angus—Southdown—Collies

Recent addition of Imp. Idealist of Malsmore as junior herd sire. Yearling rams and ewes, all of superior merit, priced to sell.

No Collies at present.

ROBT. McEWEN, R. R. 4, London, Ont

Aberdeen-Angus—Bulls and heifers for sale from a Toronto prizewinning sire. It pays to keep a pure-bred sire.
A. Dinsmore, Mgr., "Grape Grange" Farm, Clarksburg
1 1/4 miles from Thornbury, G.T.R.

Questions and Answers. Miscellaneous.

Material for Silo.

How much cement and gravel will it take to build a silo 12 by 30 feet, with an 11-inch wall at the base and a 6-inch wall at the top? **H. W. M.**

Ans.—It will require approximately 26 barrels of cement and 30 yards of gravel.

Lumber for Silo.

How much lumber will it take to build a silo 12 by 28 feet? What is the usual thickness of lumber? **R. C.**

Ans.—It is usual to build a silo of 2-inch lumber. It would require approximately 2,112 feet to build a silo of the dimensions mentioned.

Developing High Stepping.

I have a carriage horse which has not sufficient action for the show-ring. Can anything be done besides shoeing to make high-steppers, or does it all come through the breeding? **A. F.**

Ans.—While a good deal of it is in the breeding, training is necessary. If the horse is of show calibre, it might be well to place him in the hands of a professional trainer to train and fit.

Tuberculosis.

1. Is there any cure for tuberculosis in poultry? **E. T. H.**

Ans.—Tuberculosis is generally considered to be incurable in poultry. Preventive measures should be taken to ward off the disease. Disinfect the pens frequently, and any birds which you suspect of being infected should be removed from the main flock. This disease is a great deal more prevalent than most people have any idea of, and the loss each year is heavy.

Breeding Diseased Bulls.

In your issue of November the fourth I noticed these few lines, "no penalty is too heavy for the man who deliberately takes a cow that has aborted to a neighbor's bull and does not mention the condition of the cow." What about a farmer who has a bull and takes in his neighbors cows, and does not mention that his bull has the same disease as mentioned above? Is there penalty heavy enough for such. **FARMERS.**

Ans.—The same would apply in this case. It is not to any man's credit that he will deliberately permit disease of this kind to be spread.

Plowing Sod.

Is sod better set up on edge or turned over flat, when plowed in late fall? Which is preferable in the spring? Will the sod rot quicker if turned flat? What width furrow and depth do you recommend in clay-loam soil? **R. C. S.**

Ans.—When the sod is set fairly well on edge it possibly works down better in the spring, but for spring plowing, we like to have it turned flat. In both fall and spring plowing the jointer should be used so that no grass will be showing. Sod will probably rot quicker when turned flat, but this depends quite a bit on the weather. Personally, we like to plow about six inches deep, and the width of furrow depends on the width of share which we are using on the plow. The ground should be all cut and not plowed so wide that part is cut and two or three inches merely broken over.

Gossip.

Volume 103 of the American Shorthorn Herd Book is off the press, and through the courtesy of the Secretary, F. W. Hardy, a copy has been received at this office. It contains the pedigrees numbering from 817001 to 847000.

In strong competition at the American Jersey Cattle Club Show, in Louisiana, a number of Jerseys that had been purchased from B. H. Bull & Son, Brampton, were among the prize winners. Brampton Patricia's Prince won first in the senior calf class and was made junior champion. Brampton Radiant Fanny was sixth in the four-year-old class, and second in the milking contest. Fern's Hawthorne Jess, winner of the grand championship on the Island of Jersey, was second. This cow was showing at a disadvantage, owing to having been in milk since May. Several of the young things that were high up in their class came from the Brampton herd.

ONTARIO PROVINCIAL WINTER FAIR

GUELPH

DECEMBER, 6th, 7th, 8th, & 9th

We will be there, as usual, at our regular stand in the main building, to meet our old friends and all others interested in

Sydney Basic Slag Fertilizer

This is the best value obtainable in fertilizers—the constantly increasing demand for Sydney Basic Slag is the best proof of its merits. During the past season our sales in this country amounted to just 35,057 tons. No other Canadian concern can show anything like this.

Of course, we know the combination of other fertilizer sellers, jealous of our success, eternally disparages our goods. In reply we merely ask intending buyers to allow us to put them in personal touch at the Fair with Ontario farmers who have been using Sydney Basic Slag for years, men of the highest reputation and whose names are household words. The experience of such men should be of more value to you than the statements of any professional agriculturist employed to boost the sale of other goods.

Now is the time to arrange for your spring requirements. If you are not coming to the Fair you should write us at once, and we will gladly send you some interesting literature, which is free.

THE CROSS FERTILIZER CO., LTD., Sydney, Nova Scotia

Address our General Sales Agent

A. L. SMITH, Dept. A, 220 Alfred St., Kingston, Ont.

Premium Clydesdales

—Premium Horses for Sale or Hire—We invite you to inspect our Clydesdale stud before purchasing a stallion or hiring a premium horse for next spring. Give us a chance to show or tell you what we have. Watch this space in future issues.

BRANDON BROS., Forest, Ont.

For Sale—Six head of Pure-bred Aberdeen-Angus Cattle Three cows one yearling heifer, one heifer calf, six months old; one bull calf, six months old. These are an exceptionally fine lot of cattle, in fine condition, and will be sold at a bargain if sold at once as our stables are full and must make room for our next crop of calves. **C. C. KETTLE, Phone 7930, Waterford.** **W. A. WOOLLEY, Manager, Willsonville P.O., R. R. No. 1.**

The Salem Herd of Scotch Shorthorns

HERD HEADED BY GAINFORD MARQUIS, CANADA'S PREMIER SIRE.

Write us about the get of Gainford Marquis. They have won more at Toronto and other large exhibitions than those of any other sire. We still have a few sons to offer, as well as females bred to Canada's greatest sire.

J. A. WATT

Elora, Ontario

Shorthorns

For Sale—One three-year-old herd sire imp. in dam; one good yearling bull, imp. in dam, his breeding and individuality is extra; one yearling bull, imp. sire and dam; two choice red 10-months bull calves. Also offer for sale number of good dual-purpose cows, 2-year-olds and heifer calves, and one yearling bull from extra milking dams.

R. M. MITCHELL, R.R. 1, Freeman, Ont.

Plaster Hill Herd Shorthorns

DANADAS OLDEST DUAL-PURPOSE HERD ESTABLISHED 1859

Herd sires: Green Leaf Record 96115. Sire and dam imported of best English breeding. Commodore 130056, bred by late S. A. Moore. His two nearest dams average 12,112 lbs. Seven young bulls from R.O.P. cows. Tubercular free herd. **ROSS MARTINDALE, R. R. 3, Caledonia, Ont.**

Pleasant Valley Farms

SCOTCH SHORTHORNS OF MERIT Herd headed by Imp. Newton Grand Champion and New Year's Gift—two of the greatest bulls of the breed. Our females comprise the best families obtainable. Young bulls of herd heading type. Also farmers bulls and females bred to above herd sires. Inspection invited.

GEO. AMOS & SONS, Moffat, Ont.

Willow Bank Stock Farm

—Established 1855—Shorthorn Cattle and Leicester Sheep. Bulls in service: Brownale 80112, by Avondale, and Brownale Banner, junior Champion at Toronto, 1919. A special good lot of young bulls and females to offer. Write or information, or come and see.

JAMES DOUGLAS, Caledonia, Ont.

Shorthorn Bulls and Females

Herd headed by Ruby Marquis, a son of the great Gainford Marquis (Imp.). Our calves now coming are all by this sire. We are also offering a few females in calf to him. Get our prices before buying elsewhere.

PRITCHARD BROS., R.R. No. 1, Elora, Ont.

Welland River Shorthorn Offering

—We have at present only two young bulls in the stable, but would price within the next few weeks a half dozen or more young cows or heifers bred to our present herd sire, Sunnyside Model. This is a Cruickshank Lovely-bred son of Right Sort (Imp.). The families are Kiblean Beauty, Missies, Rosemarys, Seaward, Rosebud, Ballenchin Daisy, etc. Fifty head to select from.

W. H. CROWTHER, Fonthill, Ont.

Spring Valley Shorthorns

—Herd headed by Sea Gem's Pride 96365. We have a number of good bulls for sale, including the Champion Ivanhoe 122760, and his full brother also, an extra well-bred Rosewood, and others. Write for particulars.

Telephone and Telegraph by Ayr.

KYLE BROS., Drumbo, Ont.

SPRUCE GLEN SHORTHORNS

Seven choice well bred, thick, deep, mellow, young bulls, from 14 to 22 months; also heifers in calf to Nonpareil Ramsden = 101081 =, a show bull, and a good one.

JAMES McPHERSON & SONS

DUNDALK, ONTARIO

Morrison Shorthorns and Tamworths

—FOR SALE—Seven dandy bulls from 10 to 13 months old, of Scotch breeding, and choice females of the deep-milking strain. Also choice Tamworths of both sexes from prizewinning and champion stock.

CHARLES CURRIE, Morrison, Ont.

Pear Lawn Farm

Offers Three Beautiful Black Percherons For Sale. One Stallion rising three, inspected and enrolled in Form 1; one Stallion rising two years; one Imp. mare rising three, a winner of six first prizes; one Hackney rising two years. These are A1 show horses. A choice lot of Shorthorn heifers in calf and calves at foot.

HERBERT J. MILLER, Peterboro' Co., Keene P.O.

Fairview Pure Scotch Shorthorns

—Our herd is headed by "Royalist" who sired the \$3,109 top-priced bull in the Dryden-Miller Feb. sale and we now have several more of his sons which are ready for service. Our females are all Scotch and comprise the following families: Augustas, Lavenders, Mary Anne of Lancasters, Miss Ramsdens, Duchess of Gloucester, Village Girls, Minas, Missies, etc. We are also offering females and a few choice Clydesdale show mares. **ROBERT DUFF & SON (C.P.R.—G.T.R.) Myrtle, Ont.**

Irvinedale Scotch Shorthorn Heifers

—For the present we are all sold out of bulls of serviceable age, but we have the largest and strongest offering of Scotch-bred heifers and young cows we have ever had on the farm. Call and let us show you our breeding herd of cows, headed by Marquis Supreme, that great son of Gainford Marquis (Imp.).

JNO. WATT & SON, Elora, Ontario.