

LISTEN!

We are offering **Special Bargains in Shorthorns** just now. The **Reason** is that we have a **Large Stock** and **Feed is Scarce**. Most of you know the **Kind of Cattle** we have, so that it is useless repeating the usual formula. In order to **Reduce Our Stock**, so that we may be able to pull through the winter, we **Will Sell at Prices** which will **Well Repay the Purchaser** who has feed to keep them until spring. We have pretty nearly anything **You** want. If you can not come to see, write and tell us as nearly as possible what it is, and we will frankly tell you whether or not we can supply.

John Clancy, Manager. **H. Cargill & Son, Cargill, Ont.**

MILK CANS ROB YOU

Look through a microscope at milk set to cream in pans or cans and you'll see how they rob you. You'll see the caseine—the cheese part—forming a spider web all through the milk. You'll see this web growing thicker and thicker until it forms solid curd. How can you expect all the cream to rise through that? It can't. This



caseine web catches a third to half the cream. You stand that loss just as long as you use pans or cans for they haven't enough skimming force to take out all the cream. But, just the minute you commence using Sharples Dairy Tubular Cream Separator, you stop that loss. Sharples Dairy Tubular Cream Separators have 10,000 times more skimming force than pans or cans, and twice as much as any other separator. They get all the cream—get it quick—get it free from dirt and in the best condition for making Gilt Edge Butter. Caseine don't bother the Tubular. The Tubular is positively certain to greatly increase your dairy profits, so write at once for catalog 1-100 and our valuable free book, "Business Dairying."

The Sharples Separator Co.
West Chester, Pa.
Toronto, Can. Chicago, Ill.

QUESTIONS AND ANSWERS.

Miscellaneous.

TRAINING A COLLIE.

I have a collie pup, three months old. Is it best to keep him tied up or let him run loose? He has the appearance of being a good heeler. How could I train him to go and come off when told?

J. C.

Ans.—No puppy should be kept tied up continuously, it is liable to go wrong on its legs, and to develop intelligence must associate with his master. During the day a young dog should be constantly with his owner about the farm, and at night shut up in the stable. Before a dog is allowed to work he must first be taught to "come to heel" when called.

R. M. E.

OPERATING AN INCUBATOR.

We appreciated very highly the timely information furnished by Prof. W. H. Day, of the O. A. C., in your Jan. 2nd issue, re "The Principles of Artificial Incubation," and would like to ask if the tray of sand was left in the incubator until the chicks were ready to be taken out of the incubator, or was the tray of sand taken out while the chicks came out of the shells at hatching time, and about how thick was the sand in the tray, and should the sand be kept about the same moisture as sand in a sand-pit as near as possible, say, to dampen it each day or so?

W. H. S.

Ans.—The sand tray is removed before the chicks begin to come out of the shell, say on the 19th day. The sand should be kept pretty nearly saturated with water, much wetter than the sand in an ordinary sand-pit.

W. H. DAY.

PROVINCIAL ASSISTANCE FOR COUNTY ROAD-MAKING.

I am an advocate of a covered market in the city of Ottawa, our best produce market, by way of five rows of sheds of 405 feet long, which will mean 2,005 feet of covering for the purchasing public, and over 4,000 feet for the vehicles containing the produce for sale. The cover over the people is to be 18 feet wide, and, over the vehicles, 12 feet wide. The city wants us to give free tolls on all roads for free markets in the city. The Ottawa Citizen says that the Government will pay one-third the cost of all macadamized roads, if the county will pay one-third and the township one-third of the cost in their respective townships. Our county councillors say that the Government will not give any county more than thirty thousand dollars, no matter how much road they build. We would require about three hundred and sixty thousand dollars to make sufficient roads for a by-law to carry in each of our nine townships. Does the Ontario Provincial Government contribute, if the township and county would buy up the toll roads surrounding the city, and, if so, to what extent?

T. J. G.

Ans.—Under the Highway Improvement Act, the Provincial Government pays one-third of the cost of constructing a system of county roads. The county council pays the remaining two-thirds, and must assume charge of the work. Township councils have no obligation in the matter. Where a county council purchases and takes over toll roads as a part of the county system, freeing them from toll, one-third of the cost is paid by the Government. Thus, if in the county of Carleton, a system of county roads were estimated to cost \$360,000, including the purchase of toll roads, the Province would contribute \$120,000, the cost to the county being \$240,000. That the grant to any single county is not restricted to \$30,000 is evidenced by the counties of Simcoe and Wentworth, each of which have received to date about \$100,000. At present there are fifteen counties operating under the Act, and others have the matter under active consideration.

Ontario Department of Agriculture.

Provincial Auction Sales

OF PURE-BRED CATTLE

(Registered).

150 Head, Males and Females, of Beef Breeds

will be held at the following points:

OTTAWA, JANUARY 24; QUELPH, MARCH 4;
PORT PERRY, MARCH 11, 1908.

All stock inspected before being accepted. Only good representatives of the various breeds will be offered.

Special Inducement to Purchasers in Ontario:

Freight Paid: The freight on any animals purchased at these sales by residents of Ontario shipped to purchaser's station in Ontario, will be paid by the Ontario Department of Agriculture. The original receipted freight bill containing the point of shipment and destination, name and registration number of the animal purchased and shipped, the estimated weight for billing, and the rate charged per cwt., should be sent immediately to the Live-stock Branch, Ontario Department of Agriculture, Toronto.

For catalogues and particulars regarding any of the sales, address the Secretary at the point of sale, or make application to:

Live-stock Branch, Ontario Department of Agriculture, Toronto.

Athelstane Shorthorns!

Three choice bulls from 9 to 12 months and heifers from 1 to 3 years; low-down, thick fleshed sort, of families: Rosewood, Butterfly, Rosalind, and Countess, and mostly sired by the Bruce Mayflower bull, Star Prince =58900-. Prices very reasonable. **WM. WALDIE,** Box 324, Stratford, Ont.

SHORTHORN BULLS

FOR SALE.

I have for sale two young bull calves: 1 red, 14 months, reg. in U. S. Herdbook, and one dark roan about the same age—a good one. Also a few females.

Hugh Thomson, Box 556, St. Mary's, Ont.

STONECROFT STOCK FARM, St. Anne de Bellevue, Quebec.

(Adjoining the new Macdonald College.)

Breeders and Importers of High-class

Ayrshire Cattle, Clydesdale Horses, Yorkshire Swine and Collie Dogs

Anything for sale. We offer especially a few select young bulls to clear cheap. Orders booked for spring pigs.

HAROLD M. MORGAN, Prop. **E. BJORKELAND, Manager.**
Bell 'Phone connection.

AYRSHIRES Young bulls from producing dams and same sire, from 7 months up to 2 years. Rare good ones and will speak for themselves. **H. DYMONT, Hickory Hill Stock Farm, Clappison, Ont. Dundas Station and Telegraph**

Neidpath Ayrshires A choice lot of bulls ranging in age from 2, 4, 8 and 16 months. All sired by the world's champion, Imp. Douglas Dale. **W. W. Salantyne, Stratford, Ontario. "Neidpath Farm," Long-distance 'Phone.**

STONEHOUSE AYRSHIRES

On hand for sale: A number of imp. cows and heifers, winners of high honors in Scotland & Canada. 4 young bulls bred from champions and winners themselves. Extra choice offering.

HECTOR GORDON, Howick P. O. & Sta., Quebec

Burnside's Champion Ayrshires



My 1907 importation of 75 head being about all disposed of, I am preparing to import again. Mr. And. Mitchell, the world's most extensive dealer and breeder of Ayrshires, is at present securing for me the best young bulls from the best herds in Scotland. Send in your order now for a choice bull and a female or two. Bulls will be out of quarantine in time for spring service. Correspondence solicited. Long-distance 'phone in house.

R. R. NESS, Howick, Que.

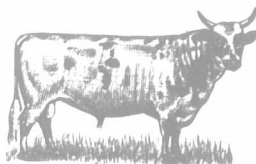
Wardend Ayrshires We have only four spring bull calves on hand for sale. Will sell them at reasonable prices. Sired by White Prince of Meie No 21825, bred by A. Hume, Menie. **F. W. TAYLOR, Wellman's Corners, Hoard's Sta., G. T. R.**

KELSO S. F. AYRSHIRES My winnings at Ottawa this year were: Aged cow in milk, 1st and ch.; dry cow, 1st; Canadian bred cow, 4th; Canadian-bred 3-year-old, 3rd. For sale, anything in herd, both sexes. Extra choice stuff. **D. A. McFARLANE, Kelso, Que., Athelstane Sta., G. T. R.**

Glenhurst Ayrshires Oldest-established herd in Ontario, Imp. and Canadian-bred. Average B. F. test for the whole herd, 4.2; milk yield, 40 to 60 lbs. a day. For sale: females of all ages, and several young bulls; all by Imp. sire and some out of Imp. dams. **James Benning, Williamstown P. O., Lancaster Sta. SPRING BROOK AYRSHIRES.**

Produced nearly 7,000 lbs. of milk each, testing 4.9 per cent. butter fat, during the past three years. 30 head for sale before spring. All ages. Write for prices. **W. F. STEPHEN, Box 163, Huntingdon, Que.**

SPRINGHILL AYRSHIRES



If you want something really good, we have cows and heifers, all ages, imported and home bred. Winners in any company. Out of dams with H. A. S. official milk records. Imported bulls, two- and one-year-old "winners." Three extra good Sept. bull calves (imp. in dam). Prices very reasonable, within reach of all.

ROBERT HUNTER & SONS, Maxville, Ont.

Long distance 'phone, Maxville 33.

Hawthorn Herd of Deep-milking SHORTHORNS

6 YOUNG BULLS.

by Aberdeen Hero, Imp., =28840-. Also females all ages.

Wm. Grainger & Son,
LONDESBORO P. O.

EAST BANK HERDS

Shorthorn Cattle, Yorkshire and Berkshire Swine.

As I must leave farm in March, I am offering 40 sows of choice breeding and quality. Prize-winners and the get of prizewinners. Also cows and calves bred, fed and sold right.

IRA L. HOWLETT, KELDON.

HERD BULL FOR SALE.

Lord Lieutenant (imported) No. =50060=, five-year-old. At stock bull, quiet and sure. 2 bulls just over 1 year. 2 bulls just under 1 year. Half dozen choice 1 and 2 year old heifers. All from imported sires, and some from imported dams. All are from good milking dams. Visitors always welcome.

SCOTT BR. S., Highgate P. O. and Station.
M. C. Ry. and P. M. Ry.

SUNNYSIDE STOCK FARM



Bulls in service: Queenston Archer =48598=, Trout Creek Stamp =67660=. A number of first-class young bulls, red and roan, and a few cows and heifers, for sale. Prices right.

JAMES GIBB,
Brookdale, Ont.

YOUNG SHORTHORN BULLS!

Am now offering 2 grand ones from Scottish Pear (imp.). Will make show animals. Also Leicester sheep. A number of young breeding ewes to sell. **JAS. SNELL, Clinton, Ont.**