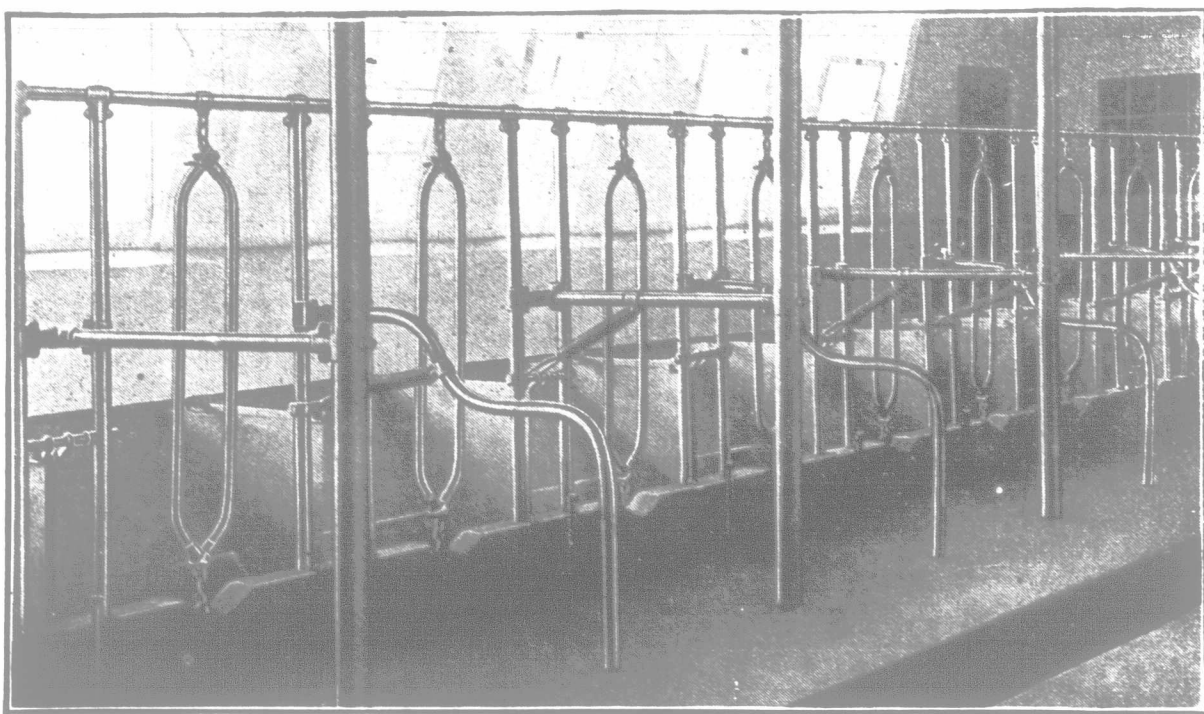


LOUDEN

Sanitary Steel Stable Equipment



What it means to you

MODERN, Sanitary Stables, at a reasonable outlay of time and money.

Convenience in looking after your cows, and a saving of time and labour in tying, feeding and cleaning them.

Increased milk production, no waste feed, and increased profits.

Our catalogue is **FREE**. Write for it to-day. It tells all about the complete LOUDEN line.

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Our Architectural Department will supply Free Barn Plans

LOUDEN MACHINERY CO., Dept. 11 Guelph, Ont.
"Everything for the Barn"

What it means to your Cows

COMFORT, cleanliness, and almost as much freedom as when in pasture.

More sunlight and fresh air, the great germ destroyers.

Holsteins—This time I enter a beautiful bull rising 3 years of age, whose dam is a tr. 3-year-old produced 24 lbs. butter in 7 days and whose sire is a son of 12 days 3rd-butter 24 lbs. This bull's dam is rising two years of age and gives great promise for a 30 lb. record with next calf, which will be in June, 1917. Her two records, 1st as a tr. 2-year-old 17.19 and as a tr. 3-year-old 12.42 stamp her as a sure 40 lb. cow. Have two great yearlings at \$100 each.
James A. Caskey, Madoc, Ontario

CLOVER BAR
Sires From R.O.P. and R.O.M. Dams
We have a fine lot of Holsteins, 2 years of age and over, from the best of the R.O.P. and R.O.M. Dams. The sire of the lot is a son of 12 days 3rd-butter 24 lbs. and the dam is a tr. 3-year-old 17.19. The lot is made up of 10 cows and 10 bulls, all of which are sure 40 lb. cows. Write for catalogue.
P. Smith, R.R. No. 3, Stratford, Ontario

There is a vast difference between keeping Holsteins and just keeping cows. ONE GOOD HOLSTEIN COW WORTH TWO. THE WORK OF TWO or three ordinary cows. No waste feed, no loss of milk, no labor. Holstein cows milk longer, more per year, and are easier to handle than any other breed. There's money for you in Holsteins.

W. A. CLEMONS
Sole H.F. Association, St. George, Ontario
HOLSTEIN BULL—This is a fine bull, 2 years of age, who has won many prizes. He is a son of 12 days 3rd-butter 24 lbs. and the dam is a tr. 3-year-old 17.19. He is a sure 40 lb. cow. Write for catalogue.
Glenora Stock Farm, Rodney, Ont.

Holsteins, Yorkshires and Cotswolds
R. Honey & Sons, R.R. No. 1, Dartford, Ont.
We have a fine lot of Holsteins, 2 years of age and over, from the best of the R.O.P. and R.O.M. Dams. The sire of the lot is a son of 12 days 3rd-butter 24 lbs. and the dam is a tr. 3-year-old 17.19. The lot is made up of 10 cows and 10 bulls, all of which are sure 40 lb. cows. Write for catalogue.
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Riverside Holsteins

Herd headed by KING JOHANNA PONTIAC KORNDYKE, a grandson of PONTIAC KORNDYKE, and a brother of PONTIAC LADY KORNDYKE 38.02 lbs. butter in 7 days, 156.92 lbs. in 30 days—World's record when made
J. W. Richardson, R. R. No. 2, Caledonia, Ontario

SUMMER HILL FARM
Holstein Cattle and Yorkshire Hogs

We are raising a fine lot of Holsteins, 2 years of age and over, from the best of the R.O.P. and R.O.M. Dams. The sire of the lot is a son of 12 days 3rd-butter 24 lbs. and the dam is a tr. 3-year-old 17.19. The lot is made up of 10 cows and 10 bulls, all of which are sure 40 lb. cows. Write for catalogue.
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LAKEVIEW STOCK FARM, Bronte Breeders of High class Holsteins
E. F. OSLER, Proprietor
T. A. DAWSON, Manager

IMPERIAL HOLSTEINS
We are raising a fine lot of Holsteins, 2 years of age and over, from the best of the R.O.P. and R.O.M. Dams. The sire of the lot is a son of 12 days 3rd-butter 24 lbs. and the dam is a tr. 3-year-old 17.19. The lot is made up of 10 cows and 10 bulls, all of which are sure 40 lb. cows. Write for catalogue.
P. Smith, R.R. No. 3, Stratford, Ontario

Ourville Holstein Herd
We are raising a fine lot of Holsteins, 2 years of age and over, from the best of the R.O.P. and R.O.M. Dams. The sire of the lot is a son of 12 days 3rd-butter 24 lbs. and the dam is a tr. 3-year-old 17.19. The lot is made up of 10 cows and 10 bulls, all of which are sure 40 lb. cows. Write for catalogue.
P. Smith, R.R. No. 3, Stratford, Ontario

Constitution That Counts
We are raising a fine lot of Holsteins, 2 years of age and over, from the best of the R.O.P. and R.O.M. Dams. The sire of the lot is a son of 12 days 3rd-butter 24 lbs. and the dam is a tr. 3-year-old 17.19. The lot is made up of 10 cows and 10 bulls, all of which are sure 40 lb. cows. Write for catalogue.
P. Smith, R.R. No. 3, Stratford, Ontario

Questions and Answers, Miscellaneous.

Alfalfa Seed.

I wish to buy some alfalfa seed and thought that I would ask for a little direction to perhaps the best kind to buy of three kinds, viz. Turkistan, Dakota Dry Land, or Ontario grown L. A. B.

Ans.—Buy Ontario grown seed, provided you can get it clean and well matured.

Smut on Oats.

I have some good Banner Oats that always gave me good returns but last year I had some smut.

1. If I sow the same oats this year will I have more smut than last year?
2. What is the treatment for oats to kill the smut germ and how is it applied? E. H.

Ans.—1. Likely, unless you treat your seed for smut.

2. See page 384, issue of March 11.

Harvesting Bean Crop.

Kindly advise me what machinery is necessary for the successful handling of two or more acres of beans. The demand for this crop seems to be improving and under present conditions looks to be a fair proposition. J. C. R.

Ans.—The only extra machinery required on a farm to handle a few acres of beans would be a harvester of some kind. The disk harrow, roller and levelling harrows, are all used and the drill will sow three rows twenty-eight inches apart which is the custom. The cultivator is then brought into service and used frequently. After this the harvester will be required. There is trouble sometimes when threshing comes but where there is no bean separator in the community, the ordinary separator can be manipulated to thresh the beans but it is hard on the machine.

Pine Chips Injurious to Vegetables.

Last fall I manured and turned under a small piece of land for flowers and vegetables. I got manure from a town stable where pine chips and shavings had been used for bedding. I have since heard that these pine chips are injurious to the flowers and vegetables. If this is true, what could be done to remedy it, in the way of rotting the chips. O. D.

Ans.—Gardeners are of the opinion that manure containing pine chips or shavings is injurious to crops and should not be used. One local gardener stated that he had used such manure for some time but ultimately gave it up. The plants would grow to a certain size and then stop. It would probably do for use under field conditions but in case of vegetables or flowers where large quantities are required such manure should not be used. Rotting the woody part would be a long process and the objectionable ingredients would still be in the manure.

Work of Co-operative Associations.

1. Will you kindly inform us through your valuable paper, if you know of any farmer's co-operative association that has undertaken shipping their produce, such as live stock, etc., and if such undertaking proved successful?

2. What is an egg circle and how is it conducted? S. H. L.

Ans.—1. The Metro Farmers' Club, at Harold, Ont., has had considerable experience in selling produce, including live stock, through the medium of a co-operative association. Communications to them would probably secure the desired information. Also the Co-operative and Markets Branch, Parliament Buildings, Toronto, might be able to furnish further information regarding such efforts on the part of associations.

2. An egg circle is the association of poultrymen who combine to sell their eggs through one agent. They agree as to the way the eggs shall be collected and what percentage shall be given for handling, grading and such care as the eggs require. The eggs are usually stamped with the circle's number and date the egg is laid. Expenses for conducting the operations are deducted from the total revenue and the net proceeds returned to the producers. The poultry division of the Live Stock Branch, Ottawa, keeps in close touch with this work and valuable suggestions might be obtained from them.

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