

The Use of Hot Beds and Cold Frames.

A hot-bed is desirable wherever vegetables or flowers are grown in Canada. It is a means by which plants are grown through their earlier stages in a suitable temperature in order to shorten the time of reaching condition for use or of coming into flower. It is the early vegetables which are the most profitable and most appreciated. Furthermore, with a hot-bed it is possible to mature certain vegetables in parts of Canada where, if started in the open, they would not ripen before being killed by frost. Again, with a hot-bed it is possible to mature a large crop when without one the crop would be very small. Certain vegetables also, even if not subjected to actual frost, will not grow if the soil and air are cold, hence must be started in warm soil and warm air such as is afforded by a hot-bed, and the plants grown there are not set out in the open until warm weather.

Such crops as radish, lettuce, spinach, carrots, and other vegetables which will reach marketable size in a relatively short season and are easily handled while the weather is still cool in early spring, reach the stage when they are ready for use much sooner when kept in the hot-bed or cold frame than if one had to wait until the seed were planted in the open and the plants developed there. There is usually greater danger from keeping the hot-bed too hot for these particular vegetables than from its being too cool. Cauliflower also can be grown to maturity in hot-beds, and in places where it is difficult, owing to summer frosts or cool weather, to grow cucumbers and melons, a few plants in a hot-bed will provide a fair supply for the family.

In making a hot-bed the conservation of the heat in it is one of the chief considerations, and to assist in this the hot-bed should be in a protected place, preferably on the south side of a building, wall or close board fence where the cold winds will be broken and all the sunshine possible be obtained. The manure used should be hot when it is put in, and it should be kept hot by thoroughly banking the outside of the frame with manure to prevent the cold getting in and the heat getting out. It is easier to conserve heat in a bed that is low than one that is built high up.

Cold frames are much like hot-beds in outward appearance, but no manure is put inside as cold frames are used later in the spring than the hot-beds and less heat is needed, there being sufficient from the sun shining through the glass, and the glass and frame usually afford

Important Public Sale Forty High-Class Holsteins

DRAFTS FROM THE HERDS OF

W. B. Poole and Alfred Groves
(FIRTH FARM) (BELLEVUE FARM)

Selling at Firth Farm 3 miles South of

Ingersoll, Thursday, Mar. 20th, 1919

The outstanding feature of this sale, aside from the splendid individuality of the offering throughout, is the large number of cows that will be freshening just at sale time. The majority of Mr. Poole's offering are due late in March, all to the service of the chief service sire at Firth Farm, King Johanna Rauwerd. The dam of this great young sire is the former champion R.O.P. cow, Calamity Johanna Nig, with 25,447 lbs. of milk and 1,007.5 lbs. of butter for the year. While his sire, Hill-crest Ormsby Count, is a son of the famous old "Rauwerd," Canada's first 29,000-lb. cow. The heifer calves that arrive before sale day will not be sold, and the 1918 heifers will also be retained.

Mr. Groves' consignment comprises seven mature cows, seven two-year-old heifers, four bull calves and Captain Snow Canary Hartog, the herd sire. With two exceptions the cows are all in full flow of milk and again re-bred to this sire. This bull is one of the strongest sires in the district, and should add much to Mr. Groves' offering. His 1918 and 1919 heifers are the only Holsteins that will be retained in the herd. The mature herd sells in its entirety, and, like the offering listed above it, should appeal to all who are in search of good breeding Holsteins of heavy-producing blood.

All requests for catalogues should be addressed to Mr. Poole.

Conveyances to the farm will start from Atlantic House, Ingersoll.

W. B. Poole, Ingersoll, R.R. No. 5 Alfred Groves, Salford

sufficient protection from light frosts at night should there be such.

Details in regards to making hot-beds will be found in a pamphlet which can be obtained free on application to the Publications Branch, Department of Agriculture, Ottawa. Experimental Farms Note.

Gossip.

The Maple Gore Holstein Dispersion.

In the advertising columns of our last issue there appeared an announcement of the complete dispersion sale of the Maple Gore herd of pure-bred Holsteins owned by Elsworth Plant, of Burford.

As stated in the advertisement, the sale will be held at the farm, one and one-half miles from Burford, on Wednesday, March 5, and the number selling is 30 head. As seen recently by a representative of this paper, we have no hesitancy in saying that the herd is one of the most select small herds in Western Ontario. It is doubtful, too, if the breed has ever brought a better fitted herd into an Ontario sale-ring. In breeding the offering also deserves every consideration. The foundation females were the choice of the noted W. A. Hartley herd, which will be remembered as one of the oldest established herds of Oxford County. Seven females, the best from this herd, was Mr. Plant's first purchase, and from these practically the entire herd now advertised were bred. Although Mr. Plant has done very little official testing he has made several very creditable records, including one 28.2-lb., 7-day record; one 13,666-lb. yearly record (4-year-old), and several more above 20 lbs. of butter in 7 days. A two-year-old heifer going out from the herd last year at the Oak Park sale has also finished a three-year-old, 7-day record of 32 lbs. of butter, and several more of similar breeding will be found in the catalogue. Several of these are freshening around sale time to the herd sire Sir Segis Alcartra, a 27.73-lb.-bred grandson of King Segis Pontiac Alcartra. This is one of the best individual young sires in the district, and his dam, King Segis Walker Pietertje, has 709.6 lbs. of milk in 7 days. He will have eight heifers in the sale and they should, along with their sire, prove a drawing card to all who appreciate a strong combination of breeding and individuality. For catalogues address Elsworth Plant, Burford, and mention the "Advocate."

Two "kilties" from the same Scottish town met in a rest camp "somewhere in France," and started to exchange confidences. "What like a send-off did yer wife gie ye, Sandy, when ye left for France?" asked Jock, presently.

Sandy lit a fresh cigarette before replying. "Says she, 'Noo there's yer train, Jock; in ye get, an' see an' do yer duty. By jingo, ma man, if I thoct ye wad shirk oot yonder I wud see ye was wounded afore ye gang off! That's the send-off she gaed me, Sandy."

Casey—"When ye're licked in a foight ye ought to say ye've had enough."

Dolan—"Shure if Oi can spake at all Oi'm not licked yet."—Boston Transcript.

Thirty High-Class Holsteins

Complete Dispersion Sale

of the entire Maple Gore Herd owned by

ELSWORTH PLANT

Burford, Ont., Wednesday, March 5th, 1919

As to individuality, or pedigree, or condition, Mr. Plant need make no apology regarding any individual animal in his entire herd. As regards to the latter, they are particularly striking. At no time in Ontario has there been a better conditioned herd in a public sale; and at no time, in fact, in Mr. Plant's 6 years of Holstein breeding has the herd been other than fit at all times. A review of the breeding of the foundation females in the herd, as outlined in the regular advertising copy in our issue of February 13th, will reveal to all the splendid breeding carried by each individual family selling. They were selected by Mr. Hartley, from whom they were purchased, to be retained from his herd after 20 years of careful breeding, and while Mr. Plant has done very little testing, a visit to the farm on sale day will show they have, in no way, been neglected. For good individuals for good breeding and for healthy, well-fitted animals you should attend this sale. G. T. R. trains from Toronto and points East will stop at crossing one mile from farm on sale day. Conveyances from there. Trains from the West will be met at Burford station. Sale under cover. At this late date, better wire for catalogues.

ELSWORTH PLANT

Remember there will be no Reserve.

Burford, Ont.

Important Sale of SHORTHORNS FORTY HEAD

The entire herd belonging to John Elder and
selling at the farm near

Hensall, Ontario, Wed., March 19

Shorthorn breeders will recognize in this offering a herd that has retained a high place among the better Western Ontario herds for almost a quarter of a century. The pedigrees are full of both English and Scotch blood, and in no herd can there be found more profitable breeders. The breeding cows, many of which are sired by the noted bull Scotch Grey, are all good milkers, a number having given upwards to 55 lbs. per day on twice a day milking. The present stock bull, Crown Jewel 42nd, by the noted Best Boy, was the top-priced calf in the London sale in 1916. All calves selling with their dams are sired by this bull, as are also the 1918 offspring. These include twelve young bulls, all of which are ready for light service. The cattle are selling in good breeding condition. The farm has been sold. There is no reserve. Write for catalogue.

JOHN ELDER,

HENSALL, ONT.

Watch these columns for further particulars.

When writing advertisers will you kindly mention The Farmer's Advocate.