

LOUDENS Bird-Proof Barn Door HANGER



CLOGGED

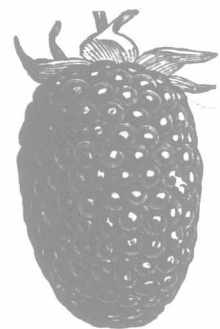
No other barn Door Hanger on the market positively and permanently overcomes all the troubles of clogging by either birds in summer or by snow and ice in winter. There's no opening in the Loudens Bird-Proof Track, except a narrow slit. It is made of one solid piece of steel pressed into shape. Is rust-proof; will last a life time.

LOUDEN'S Bird-Proof HANGER

is the only one on the market having flexible track which prevents gathering of trash between track and barn. If you are going to build a new barn or need new hangers for the old one, get the hanger that will never balk and is always easy to operate. It will ease your barn work greatly and save you time and money to put in Loudens' Tubular Steel Stalls and Stanchions, Feed and Litter Carriers, Hay Carriers and Balance Grapple or Double Harpoon Forks. See them at your dealer's. If he has not our line write us for Free catalog and send your dealer's name.

Louden Machinery Co.
Dept 13 GUELPH, ONT.

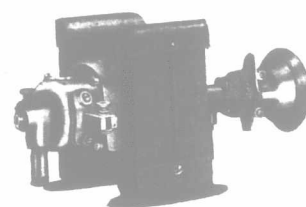
MALLORY'S SEED CORN



\$1.10 to \$1.25 per bushel. Returnable at our expense not at factory. Samples mailed free on request. Strawberry plants \$3.00 per 1,000; Raspberries \$6.00 per 1,000; Blackberries \$2.00 per 100 and up; 150 Strawberry plants \$1.00, or 200 Strawberry and 50 Red Raspberry plants sent post paid for \$2.00. **Gibraltar Black Cap**, greatest yielder at Experimental Farm. Send for price list.

N. E. MALLORY, Blenheim, Ont.

THE "NATIONAL" MAGNETO



will start your gasoline engine without batteries and is guaranteed.
Price only \$11.50
Send for catalogue.

National Machine Co., Brighton, Ont.

BELTING FOR SALE

Over 1,000,000 feet in rubber, canvas, etc.; all sizes and lengths, at 25 to 50% less than regular prices; also large quantities of iron pipe, fencing, etc. Catalogue sent on request. The Imperial Waste & Metal Co., 20 Queen St., Montreal.

MENTION "FARMER'S ADVOCATE."

GOSSIP.

Attention is called to the advertisement in this issue of the dispersion sale of the richly-bred Holstein herd of W. K. Sexton, of Howell, Michigan, to take place on March 6th. The catalogue shows that the herd contains representatives of the most notable families of the breed for big records of performance, among which was the noted Boutsje Pietertje De Kol, who at the O. A. C., at Guelph, made the marvellous record, at just four years old, of 20,788 lbs. milk, and 977.38 lbs. butter in one year. Included in the sale are the two great stock bulls, Pledge De Kol Butter Boy, and Korndyke Pontiac Butter King, scions of such great producing cows as Pontiac Clothilde, with a yearly record of 1,217.6 lbs. butter, and others nearly her equal. The breeding of this herd is of the highest rank, and the sale should attract breeders from all directions.

P. D. EADE'S HOLSTEINS.

Recent events would seem to indicate that to-day the demand for common-bred, non-official-backing dairy cattle is practically over. About the first question asked by intending purchasers, particularly for bulls, is, What is the official record of the dam, and what is the official backing of the sire? With so many richly-bred and high-record herds of all the dairy breeds in this country at the present time, it is simply criminal for a breeder to place at the head of his herd, even though it be but a grade herd, a bull that is not backed up for several generations with official records in milk and butter production. One of the biggest and strongest official producing Holstein herds in the country is that of P. D. Eade, of Oxford Center P. O., Oxford Co., Ont. Numbering about 150 head, practically every cow in milk, is in the official records, and is backed by official record sires and dams. Also the stock bulls in service are bred from high official record stock for generations back, thus ensuring to purchasers of herd foundations or herd-headers, animals bred on such strong, intensive producing lines that a failure is next to an impossibility. Mr. Eade, from so large a herd, is always in a position to meet the demands of purchasers no matter what his wants, and particularly desires the attention of dairy breeders who are looking for a young bull whose producing breeding is such as to ensure success, and whose individuality is strictly high-class as to type and quality.

TRADE TOPIC.

In the County of Renfrew, and in the town which also bears this name, and which is also known as the Creamery town, the "Standard" Cream Separator is made. This separator has for its strong points, self-oiling, close-skimming features, and is convenient in and easy of operation. Farmers and dairymen will do well to look up the advertisement of these machines in this issue, and write the manufacturers for particulars.

SALES HAVE INCREASED MORE THAN ANY OTHER

It is a well-known fact that, during the last three years, the sales of

EMPIRE

Cream Separators

have increased more than the sales of any other cream separator. There must be some reason or reasons for this great showing. These are some of the reasons:

Empire Separators skim to a trace. There isn't a machine made their equal for close skimming under difficult farm conditions.

They are easy to clean. They don't spatter oil. And they have anti-splash steel supply tanks.

So nearly frictionless they almost run themselves. Children delight in operating them, and can easily do so with perfect safety.

They are durable. Years of service have proven their true worth. Their cost per year of service is less than any known separator. Years in advance of competing makes.

Your choice of the two standard methods of cream separation. We make both cone and disc machines. Both are fully explained in our latest catalogue. Send for a copy. Get reliable, accurate information on the subject. 31

EMPIRE CREAM SEPARATOR CO. OF CANADA, LIMITED.
Winnipeg, Toronto, Montreal, Sussex.

Agents everywhere in Canada—Look for the Empire Sign.

Exhaustion of Soil Fertility

Extract from "Artificial Fertilizers: Their Nature and Use," by B. Leslie Emslie, C.D.A. (Glas.), P.A.S.I., F.C.S.

"The fact remains that resource must be had to artificial fertilizers if the requirements of the soil for all the elements of fertility are to be satisfied, and the sooner a farmer becomes cognizant of this, the less trouble will we have in restoring a runout soil.

"Last fall the writer happened to be discussing the fertilizer question with a farmer, who owns a farm of a very light, sandy-loam character, when the latter made the remark that if it were not for artificial fertilizers, of which he uses large quantities annually, his land would not be worth farming.

"The same day, in conversation with another farmer, he happened to inquire whether the farmer used artificial fertilizers, to which question the latter replied to the effect that there was too little money to be made at farming to warrant its expenditure for fertilizers. Here are two different opinions, the one made by a man who had used fertilizers and proved their value, and the other by a man who knew nothing of the benefits to be derived from a judicious use of fertilizers, and who at the same time made the statement that farming was unprofitable."

Free copies of this and other bulletins, dealing with the important subject of fertilizing, may be obtained by application to

THE GERMAN POTASH SYNDICATE

1102-05-06 Temple Bldg.

Toronto, Ont.

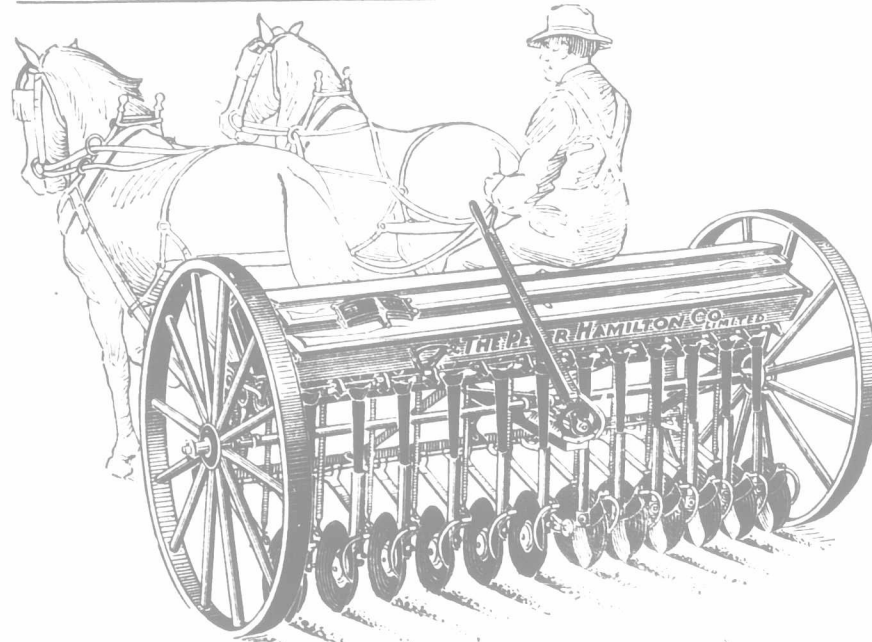
More About Discs (Continued)

To get full advantage of the cut the disc makes, the shield must also go well down to the bottom of the disc carrying the seed with it and depositing it in the bottom of the furrow thus opened, and not merely let it dribble out any old way behind the disc. The discs run on chilled bearings provided with a dust-proof hard-oil compression cup. These cups hold a large quantity of hard-oil sufficient for thoroughly lubricating disc bearings in planting many acres. The hard oil stays where it is put, and keeps the dirt out.

Although a Disc Drill is not supposed to be required to sow Broadcast still in all farms there are times when it is necessary or advantageous to sow broadcast, and in order to provide for this the disc can be set at a greater angle so that the earth instead of being merely opened is turned over, thus covering the seed which is sown in front of the discs.

If you are going to buy a drill this year be sure and see our Agent; he will be pleased to talk this matter over with you.

The Peter Hamilton Co., Limited, Peterborough, Ontario



"THE LEADER"

