

## The Bissell Out-Throw Disk Harrow

To settle all doubt about which is the BEST OUT-THROW DISK HARROW, we ask you to test the "Bissell" Out-Throw in a field competition with other Out-Throw Harrows.

The "Bissell" Out-Throw has many features that have made the name "Bissell" famous in connection with Disk Harrows. It has plates of the correct shape. One gang is set slightly ahead of the other. The gangs cannot crowd or bump together and cause the Harrow to rock when you come to hard soil—a new feature in Out-Throw Harrows. The hitch is well back, the draught is light and there is no neck weight.

The machine in actual use is our best advertisement. No need to send special travellers to sell the "Bissell." We put our name on every Harrow. If you would like to learn more about Disk Harrows, send to Dept. W for free booklet of both out-throw and in-throw styles. 72

**T. R. BISSELL CO. LTD.,  
ELORA,  
ONT.**

**Jno. Deere Plow Co., Ltd.,  
77 Jarvis Street, Toronto  
Selling agents for Ontario  
and Quebec.**

**BEST OF THE EARTH**

**WATCH FOR THE TRADE MARK AND KNOW WHAT YOU GET**

**FREEMAN'S FERTILIZERS**

**A SPECIAL FORMULA FOR EVERY REQUIREMENT.**

**Do not buy a "A Pig in a Poke."**

Send for booklet showing just what Fertilizer you should use and the exact composition of it. Your copy will be sent for a post card.

**The W. A. FREEMAN CO., Ltd.**  
222 HUNTER ST. E.  
HAMILTON, ONTARIO.

### SEED OATS FOR SALE

"Improved American Banner"  
This year I offer about 200 bushels grown direct from Registered Seed, purchased last Spring at a high price, to renew and improve if possible my seed stock. It was very pure and clean and gave me a great yield.  
I also have a large quantity grown from my original stock, that has given such good satisfaction not only to myself but to all who have purchased them. Both strains have been grown on clean land, carefully hand-picked while growing, are as pure and clean as it is possible to make them, and are very bright and plump.

For particulars, samples, and prices on application.  
**A. FORSTER, Markham, Ontario**

### Book Review.

#### A SENSIBLE ARITHMETIC.

In a handy 120-page volume called "Rural Arithmetic," John E. Calfee, Professor of Mathematics, Normal Department, Berea College, Kentucky, has produced a book that invests the subject with life and meaning for the scholars and teachers of rural public schools. And at this juncture in the progress of education, when people are really awakening to the fact that agriculture is the fundamental business, it is just the sort of a text-book that might well be used in town and city schools. Its applications are by no means narrow, and its household, banking, and building problems are universal. They are based on things with which the pupils are familiar. It identifies school with home and farm interests in a most natural and graphic way, some three dozen attractive diagrams and illustrations being used. Many of the old-time arithmetics made school life a misery, with catch questions and pages of meaningless calculations, and some of the newer ones have been rather bewildering by messing together old and new ideas. After dealing with fundamental processes, like rapid addition, etc., in the work before us, there are sections of problems based on education and thrift, idleness, waste of farm machinery, poultry and market dealings, spraying, measurements of all sorts, soil and fertility, household and health, growing crops, estimating crops, stock and feed problems, cost of bad roads, building problems, machine-shop questions, and business problems. The author and the publishers (Ginn & Co., Boston) are to be congratulated upon the issue of an arithmetic that appears to be at once so sensible and teachable. Used by a teacher in trained sympathy with farming, it is easy to see how effective a single text-book like this could be made in promoting education that would cultivate a liking and respect for agriculture, and aid in making boys and girls more successful on the farm.

### Rather Confusing.

The Dairymen of Eastern Ontario, in convention at Cornwall, on January 8th, predicted that in three years, or five at the most, our native hemlock would be exhausted, and some other package would have to be adopted, or other lumber utilized in the construction of cheese-boxes. It was also suggested that the Government be petitioned to find and assist in the transportation to them of suitable elm. Simultaneously, almost to the minute, the lumbermen of the Province, in session at Toronto, were deplored the fact that Southern lumber, including hemlock, was being admitted into this country. They, too, had the Governments in mind, and set about to inform them of this gross error on the part of Canadians.

What can any Government do in a case of this kind but "seriously consider it." Instead of being criticised for not legislating in favor of every demand, their long-suffering attitude in listening should be commended, and they can well afford to "stand pat" until the people they represent learn to give and take in matters of national importance.

Henry Arkell & Son, write: "Our sheep sales in both Oxford and Hampshire have been numerous this season, and at good prices. We have retailed in both rams and ewes 122, and also three car lots. We have been in the business for over 35 years, and never has there been such good demand, and we thank 'The Farmer's Advocate,' and attribute most of our sales to it."

### SECRETS.

"My wife wants me to give away everything we've got."  
"That's unfortunate."  
"I should say it is. Why, only last night I came home and told her an important secret. What did she do? Went right over to our next-door neighbor and gave it away."  
"It's a fact that the only secret a woman can keep is her age."  
"And there you're wrong. That isn't a secret. She only thinks it is."

## ANNUAL SALE OF HIGH-CLASS SHORTHORNS

In the Butler House Yards, Lindsay, Ontario

**TUESDAY, JANUARY 27, 1914**

At 1.30 p.m. Sharp.

The Victoria Pure Bred Stock Association will offer for sale by public auction, twenty head of Shorthorns, mostly males. These offerings include some of the richest breeding in Victoria County, a noted Shorthorn district. The offerings of this association in the past have been eagerly sought after, several bulls having been sold last year to the Ontario Government. Those who attend may be assured that the lot offered this year will be as good or better than in former years.

TERMS—Cash or ten months credit will be allowed on approved joint notes, all notes to bear interest at the rate of 5% per annum from date of sale. Catalogues will be mailed on application to the Secretary.

**Wm. Marquis, Auctioneer. A. A. Knight, Secretary, Lindsay Ont.**

Train connections leaving Lindsay: Going West, G.T.R. 6.23 p.m.; C.P.R. 4.30 p.m. Going East, G.T.R. 8.15 p.m.; C.P.R. 4.30 p.m., and 5.25 p.m.

## SHIP US YOUR CREAM

**WE** Supply cans and pay all express charges within a radius of 100 miles of Berlin. Send a statement of each shipment. Pay every two weeks.

WRITE FOR FULL PARTICULARS

**THE BERLIN CREAMERY COMPANY**  
BERLIN, CANADA



## Black Knight Stove Polish

**MAKES HOME BRIGHTER AND LABOR LIGHTER**

**A PASTE | THE F.F. DALLEY CO. | NO DUST  
NO WASTE | HAMILTON, CANADA | NO RUST**

**Canada's Champion Herefords** When selecting a herd header the fountain head; for years my herd have proven their title as the champion herd of Canada. I have always both sexes for sale

**L. O. CLIFFORD, Oshawa, Ontario**

### ELM PARK ABERDEEN ANGUS AND CLYDES

We have for sale: a few two-year-old heifers by imported bulls and out of imp. cows bred to good bulls. We also have four good Clydesdale fillies, two 2-year-olds and two yearlings. Also two stallion foals. Five of them out of Lord Charming mares by King Seal, imp. Address **JAMES BOWMAN, ELM PARK, GUELPH**

### Shorthorns & Clydesdales

We have seven yearling bulls and seven bull calves from 7 to 12 months. All reds and roans, and of choice breeding. We have some extra good imported mares for sale, also some foals. If interested write for catalogue of their breeding.

**W. G. PETTIT & SONS, FREEMAN, ONTARIO  
Burlington Junction, G. T. R.**

Bell Phone

## SHORTHORNS

"A PLENTY." I have a wide range for selection in Shorthorn bulls and heifers, pure Scotch or Scotch topped, beef bred and beef type. Dairy bred and dairy type; make a point to visit my herd at Markdale, Ontario.

**T. L. MERCER, MARKDALE, ONTARIO**

### 100 SHORTHORNS IN OUR HERD 100

For sale—Imported yearling show bull; 14 calves 8 to 14 months old; cows and heifers and show material all ages. Herd headed by 3 high-class imported bulls, all 3 were prizewinners at Toronto this year.

**Farm 1/4 mile from Burlington Junction MITCHELL BROS. Burlington, Ont.**

**Shorthorns**—I have ten young Shorthorn bulls, some fit for service now. Part of them are bred, and made so that they are fit to head the best herds in any country, some of them are of the thick, straight, good feeding kind, that will produce money-making cattle; some of them are bred from the best-milking Shorthorns, and the prices of all are moderate. I have Shropshire and Cotswold rams and ewes of all valuable ages. Write for what you want, I can suit you in quality and in price. Ask for Bull Catalogue.

**ROBERT MILLER, STOUFFVILLE, ONTARIO**

### Salem Shorthorns

As ever in the front rank. Special offering: Ten young bulls, quality and price to suit any buyer.

**J. A. WATT, Elora, Ont.**

**Glenallan Shorthorns** We have some of the best young bulls we ever bred, Scotch or Booth breeding, low thick mellow fellows of high quality, Glenallan Farm, Allandale, Ontario.

**R. MOORE, Manager.**