

Farm Help AND Domestic Servants

Can be had on application to the

Salvation Army

Immigration and Colonization Dept.

Head Office, 22 Albert St., Toronto, Ont.

Our men have given satisfaction. We bring out the best class of men and take care in the placing of them.

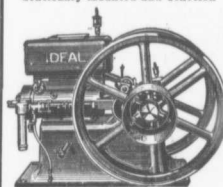
Well DRILLING MACHINES

Over 70 sizes and styles, for drilling either deep or shallow wells in any kind of soil or rock. Mounted on wheels or on sills. With engines or horse powers. Strong, simple and durable. Any machine can operate them easily. Send for catalog. WILLIAMS BROS., ITHACA, N.Y.

GASOLINE ENGINES

1 1/2 to 50 H.P.

Stationary Mounted and Traction



WINDMILLS

Grain Grinders, Water Bores, Steel Saw Frames, Pumps, Tanks, Etc.

GOOD, SHAPLEY & MUIR CO., LTD.
Brantford Winnipeg Calgary

How Much Does it Cost By the Year?



The first price of a cream separator is no basis for figuring its cost. Suppose you paid \$2 for a pair of shoes which, with \$1.00 worth of repairs, lasted 12 months, making an average monthly cost of 25 cents. At another time, you paid \$3 at the start, only 50 cents for repairs, and the shoes lasted 24 months—an average cost of less than 15 cents per month. Which was the better buy?

The same principle holds good in cream separator buying. You may pay a low price at the start—but such a separator will need frequent repairing—and won't last. The cost per year will be double that of a good separator.

I H C Cream Harvesters Dairymaid and Bluebell

are famous for their durability. They skin close and run easy for years. They are built for long, hard, steady service. Here are some of their advantages:

Milk and dust-proof gears which are easily accessible—a feature found on no other separators; a patented dirt-arrester which removes the finest particles of dirt before the milk is separated; frame entirely protected from wear by phosphor bronze bushings; large shafts, bushings, and bearings.

I H C Cream Harvesters are made in two styles—Dairymaid, chain drive, and Bluebell, gear drive—each in four sizes. Let the I H C local agent tell you all the facts, or, if you prefer, write nearest branch office for catalogues and any special information you desire.

CANADIAN HARVESTERS—International Harvester Company of America at Brandon, Calgary, Edmonton, Hamilton, Lethbridge, London, Montreal, North Bay, Ottawa, Regina, Saskatoon, St. John, Winnipeg, Winnipeg, Yorkton.

International Harvester Company of America

Chicago

(Incorporated)

U S A

PUBLISHER'S DESK

About Our Special Last Week

Over 67 per cent. of an increase above our corresponding issue of a year ago!—That is what our Third Annual Breeders' Magazine Number of December 7 (last week) carried in advertising.

In value of advertising carried last week, we broke all our previous records. The issue is over 20 per cent. ahead of our Exhibition Number of September 1, 1910, which issue now takes second place in value of advertising carried.

This record did not merely happen. There is a reason for it.

The reason is mainly our greatly increased circulation over a year ago. (Farm and Dairy last week circulated 12,300 copies.)

Another reason is the general feeling of confidence in Farm and Dairy that has become manifest amongst our patrons, who from the satisfactory results they have been getting through Farm and Dairy have found that it pays to advertise to the Dairy Farmers, which we reach exclusively. Then, too, the \$15,000,000 income which our people have made this year is worth while recognizing. Our patrons are in business to give good value for their share of a sum of money like this; therefore they placed their advertising with us in order that their respective propositions might meet our people face to face at this most opportune time to face next the Dairy Farmers and Christmas buyers.

Next year, beginning with our Special Poultry Number (our 4th Annual), Feb. 1st, we will have greater value than ever for our people and

for our advertisers. Our circulation will have grown a great deal more, which means that our advertising space will be worth still more to our advertisers. Then our advertisers of themselves will cause us to make new records.

Before concluding we want to tell you that Farm and Dairy will continue along the lines of our policy to publish WITHOUT FEAR OR FAVOR this paper by farmers for farmers. Come what may, our farmers' interests must ever stand first. Then our advertisers will be assured of getting full value for their advertising expenditure with us, since Farm and Dairy will continue to be "A Paper Farmers Swear by."

International Live Stock Show

Three Canadian agricultural colleges carried off the major honors in the studbook judging contest at the 1911 International Live Stock Show, held at Chicago.

Macdonald College of Quebec came



winning the most instructive features of many country centers in Ontario now-days are the exhibits of the local branches of the Department of Agriculture. The exhibit here illustrated was seen at York Co. Fair this fall. It was designed by W. E. J. Edwards, B.S.A., the District Representative that corner.

first with 4,363.5 points, Manitoba second with 4,335.5, Missouri third with 4,315 and Ontario fourth with 4,205. Iowa State College, which came first last year, was fifth this year with 4,154.5 points. The other colleges competing were Texas, Montana, Ohio, Kansas, Nebraska, with awards in the order mentioned. This is the first year Macdonald College has been in the competition and the boys, trained by Professor Barton, a graduate of O.A.C., made a name for their college and their instructor.

The individual ratings were: G. H. P. Williams of Missouri, first; H. H. James, Manitoba; G. J. Robertson, Macdonald; E. Weir, Ontario; Archie Campbell, Macdonald; P. F. Brett, Manitoba; W. Gibson, Macdonald; and W. H. Hicks, Manitoba, in order named. Macdonald stood first in hogs and Ontario first in sheep. Macdonald's uniform good work put them at the top, although they did not win in any single class.

A CANADIAN FOR RESERVE

Very few Canadians exhibited at the show this year. No Canadian horses or swine were present. J. A. Watt of Salem, Ont., had his fine Shorthorn bull there and pulled off the Junior Championship. Mr. Watt's bull gave the grand champion, Ring Master, owned by White and Smith, St. Cloud, Minn., a close run for the championship, but had to take second place, as it was a little weak in the back.

Quite a number of Canadian sheep breeders were present and demonstrated that Canada could breed winning sheep. At the time of writing the sheep had not all been judged.

GRAND CHAMPIONSHIP FOR CANADA

Mr. J. Lloyd Jones of Burford, Ont., had the grand champion wether under two years old. The reserve grand champion wether went to University of Wisconsin. In fat Shropshire Jones got second and fourth in weth-

er lamb class and second in pen of five wether lambs.

In fat Colorado E. F. Park of Burford, Ont., got second in a class of wethers one year old and under two, second and third in wether lamb class and first in pen of five wether lambs.

A SCOOP ON LEICESTERS

In Leicesters Canadians carried off everything. In classes of wethers one year old and under two, A. & W. Whitelaw, Guelph, Ont., got first; S. Parkinson, also of Guelph, second, and A. W. Smith, Maple Lodge, Ont., third. In wether lamb class, Whitelaw got first and second, Smith third, Whitelaw got first in pen of five wether lambs and also had the champion Leicester wether.

In fat Oxford, F. T. Lee of Simcoe, Ont., got first and third and first in pen of five lambs. In fat Lincolns also Canadians carried off everything. In yearling wether class L. Parkinson got first and John Lee & Sons, Highgate, Ont., second and third. In wether lamb class Lee got first and fourth, Parkinson getting second and third. Parkinson got first on pen of five lambs; Lee second. The championship went to Parkinson on a yearling.

GRAND CHAMPION IN ANGUS

The grand champion steer of the show was Victor, a grade Angus, fitted and exhibited by the Iowa State College. Nebraska College had the reserve championship, Prince of Viewpoint 2nd, also an Angus. The grand champion was two years 10 months old and weighed 1,570 lbs. In the reserve championship two years and three months weighed 1,570 lbs. Victor was a somewhat blockier type and a little wider on top; he has a remarkably fine rump. Mr. Criddle, the judge, said that Victor had the best rump he ever saw on a bull-cow. The grand champion was sold for 90¢ a lb. live weight.

Iowa angus baby heaves exhibited by Escher & Ryan were the carlot grand champions. It is rather significant that in the last 12 years the Angus breed has carried off the grand championship in carlots nine times, and the individual grand championship seven times.

The show of horses and swine was remarkably good. No Canadian stock was exhibited in either class.—H.C.N.

What is the Just Method?

(Continued from page 3)

ought in some way to be recognized in an equitable and just system of dividing money among patrons from the sale of cheese.

Because of these facts, there arose a third system for a basis of settlement among those contributing milk for the manufacture of cheese. This may be called the fat-casene plan. The arguments in favor of this plan may be stated as follows:

1. The fat and casene of milk are the two chief and most valuable constituents which enter into the making of cheese.

2. The yield of cheese is fairly in accord with the fat-casene content of the milk. During the season of 1910, at the O. A. C., the extreme variation in the yield of cheese per pound of fat and casene was 1.607 lbs. of cheese in the month of June to 1.452 lbs. in October—a difference of but 155 lbs.

This is the fairest and most just plan yet devised because it comes nearest to a measure of the cheese yielding capacity of normal milk.

The arguments against this system are:

1. The testing of both fat and casene in factory milks is too expensive, may not be accurate, and is not practicable under present factory conditions.

2. The patrons are not familiar with these tests and they prefer to go "as

(Concluded on page 9)