

THE FARMER'S ADVOCATE

Director General Exp. Farm Dec. 31, 18

AND HOME MAGAZINE

PERSEVERE
SUCCEED

* AGRICULTURE, STOCK, DAIRY, POULTRY, HORTICULTURE, VETERINARY, HOME CIRCLE *

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 Vol. LIII. LONDON, ONTARIO, SEPTEMBER 19, 1918. No. 1356

To Save Wheat



for our soldiers in the trenches, The Canada Food Board has been compelled to insist on the use of substitutes for wheat flour.

Use the Best:

PURITY OATS

when used in all your baking in conformance with the new food regulations produces delicious bread, rolls, cakes and pastry.

Wheat-saving recipes free on request

Western Canada Flour Mills Co., Limited

Toronto Winnipeg Calgary

Canada Food Board License Nos.—Flour, 15, 16, 17, 18. Cereal, 2-009.

Beyond the Experimental Stage

ALL along the line, at every point, the engineering problems peculiar to Kerosene as a fuel have been solved in the Renfrew. It is the true kerosene engine, not adapted from gasoline Engines but developed on kerosene ideas. The

Renfrew Kerosene Engine

is just bristling with advantages that coax the very last bit of power out of coal oil, reducing carbon troubles to a minimum. Run your eye down the accompanying list of features.

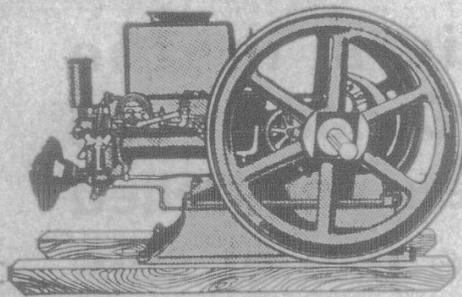
These things mean an engine you can depend on to give you real service at low cost—for kerosene is cheaper than gasoline, can be bought anywhere, and in this engine gives up all its power.

That's the Engine for you. Learn all about it now by getting our free catalogue. Write today.

The Renfrew Machinery Co., Limited

Head Office and Works, Renfrew, Ont.
Eastern Branch, Sussex, N.B.

Other lines: Renfrew Cream Separator, Happy Farmer Tractor, Renfrew Truck Scales.



Features that mean Satisfaction

STARTING—Handy Controls—three at one place, needle valves, for regulating supply of gasoline, water and kerosene, easily adjusted.

RUNNING—Special Kerosene Mixer—with auxiliary air valve, insuring properly mixed charge under full or light load.

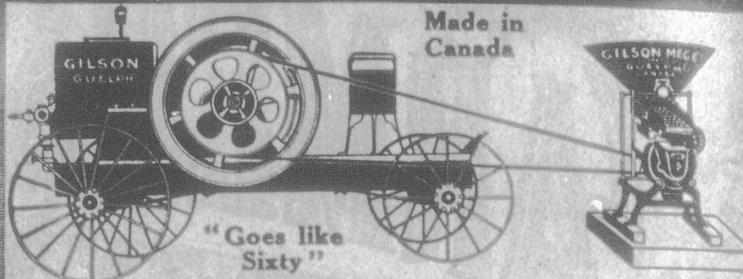
Throttle Valve, for fuel supply, controlled perfectly by sensitive governor.

Oscillating Magneto and igniter combined, makes and fires big spark, always reliable. Cooling—Ample water jacket and extra wide roomy hopper on top for water.

Perfect Alignment assured by heavy studs securing cylinder and frame (separate parts) easily renewable.

Gears—Machine cut, perfectly true and smooth, even running assured by extra heavy large diameter fly wheels.

THIS ENGINE WILL COST YOU NOTHING



Do your own grinding at your own convenience,—all your own silo,—be independent. Get a Gilson Engine on our new easy payment plan,—and it will pay for itself.

Did it ever occur to you that all the time you are doing without a Gilson Engine,—and getting your work done in a more expensive way,—you are paying for the Engine but not getting it? When you order a GILSON Engine, you get reliable power plus service. We point with pride to the many Gilson Engines, turned out in the early part of our career, that to-day are running as smoothly and giving the same reliable service as when they left our factory.

Owners of Gilson Engines will tell you frankly that their engines have actually COST THEM LESS and given them MORE SERVICE, than engines which could have been bought at a far lower first cost. Durability—dependability—SERVICE TO THE USER are the watchwords of the GILSON factory.

ALEX. SHARP, Hanover, writes as follows:—

Our 2 H.P. Gilson Engine which we bought from you eight years ago is simply a beauty. It runs any day, hot or cold, and is never the least bit of trouble to start, even when it is 35 degrees below zero.

Our season's work is chopping from 1,000 to 2,000 bushels of grain, cutting all the feed 12 head of cattle will consume in the winter, cuts from 10 to 12 acres of corn for silage and silos it, pulping 1,300 bushels of roots and cuts from 50 to 100 cords of wood.

We do all our work when we want to do it, and the cost for fuel is trifling. By a careful test, I find I can do my grinding at an average cost of 1 1/2c. These are all actual facts.

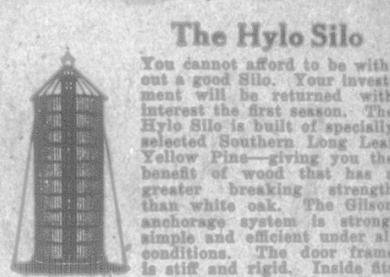
GILSON Engines, Silos Silo Fillers Tractors, Threshers



GUARANTEED

to cut and elevate more ensilage with the same power than any other Blower Cutter

THE WONDERFUL "GILSON" The Gilson Silo Filler is the only blower which can be successfully operated with as little power as 4 H.P. There is a Gilson Silo Filler for every purpose,—for the individual farmer, for the syndicate, and our large capacity machines for the custom jobber.



The Hylo Silo
You cannot afford to be without a good Silo. Your investment will be returned with interest the first season. The Hylo Silo is built of specially selected Southern Long Leaf Yellow Pine—giving you the benefit of wood that has a greater breaking strength than white oak. The Gilson anchorage system is strong, simple and efficient under all conditions. The door frame is stiff and rigid. Inside fits flush with the inside wall of Silo. All doors are air-tight, beveled so that they fit perfectly. Joints, staves and construction throughout is superior to anything of the kind. Silo stands rigid when empty. Send for "The Hylo Silo" catalogue. Full of interesting information and descriptions. An investigation now will save you a bigger outlay in the future.

WILL SILO FILLING TIME FIND YOU READY?

Every man who gets a GILSON product secures for himself SAFETY, SERVICE and SATISFACTION. Write for Catalogues, stating what you are interested in

THE GILSON MFG. CO., Ltd., 319 York St., GUELPH, Ont.

YOU CAN MAKE NO MISTAKE BY USING Freeman's Fall Wheat Special Fertilizer

Low Price TWO-EIGHT-TWO High Grade

Compounded with High-grade Sulphate of Potash

Freight allowed on all orders of one-half ton lots and over in Ontario, east of Fort William and south of North Bay, with the exception of Land Plaster and Chemicals, which are net, at Hamilton. Prices subject to change without notice.

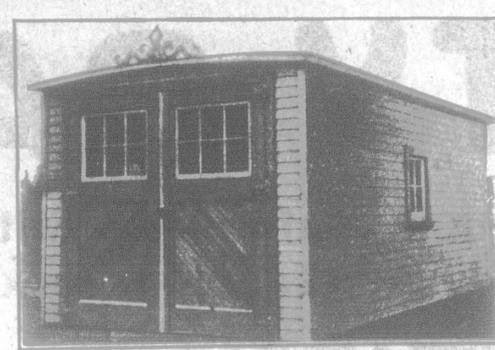
THE W. A. FREEMAN CO., Ltd., Hamilton, Ont.

The Wonderful—Light-Running Gilson Thresher



"Goes like Sixty"
Saves Time—Money—Labor. Be independent of the gang. Keep your farm free of weeds. Do your threshing when you please, with a 6 to 12 h.p. Engine and the Wonderful Light-Running Gilson Thresher. Furnished with or without Blower. Send for full particulars. **GILSON MANUFACTURING COMPANY LTD., 489 York St., Guelph, Can.**

The Auto-Home Garage



is just what you need for your car. It is built in sections; any one can erect it. It is painted and glazed complete. Built in four sizes. Send for full particulars.

A. Coates & Sons
Manufacturers
Burlington, Ontario
Box 151

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DIGS YOUR DITCHES GRADES YOUR ROADS
EASILY QUICKLY CHEAPLY
REVERSIBLE ADJUSTABLE
PAYS FOR ITSELF IN ONE DAY
DOES THE WORK OF 50 MEN SEND FOR FREE BOOKLET
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Millions of acres of virgin soil, obtainable at 50c. an acre in some districts—in others, free—are calling for cultivation. Thousands of farmers have responded to the call of this fertile country and are being made comfortable and rich. Here, right at the door of Old Ontario, a home awaits you. For full particulars as to terms, regulations and settlers' rates, write too: **H. A. MACDONELL, Director of Colonization, Parliament Buildings, Toronto, Ont. G. H. FERGUSON, Minister of Lands, Forests and Mines.**

Cream Wanted

We supply cans. We pay express charges. We remit daily and guarantee highest market prices. For prompt service ship your cream to us. **Mutual Dairy & Creamery 743 King St. W., Toronto, Ont.**

ROOFING MILL ENDS CHEAP

A limited quantity of High-Grade Mill Ends for sale cheap. Samples Free. **FACTORY DISTRIBUTORS BOX 61 HAMILTON, CANADA.**

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Write for our large, photo-illustrated Catalogue No. 7—It's free to you. **THE ADAMS FURNITURE CO., Limited Toronto, Ontario**

When writing please mention "Advocate"

DELCO-LIGHT



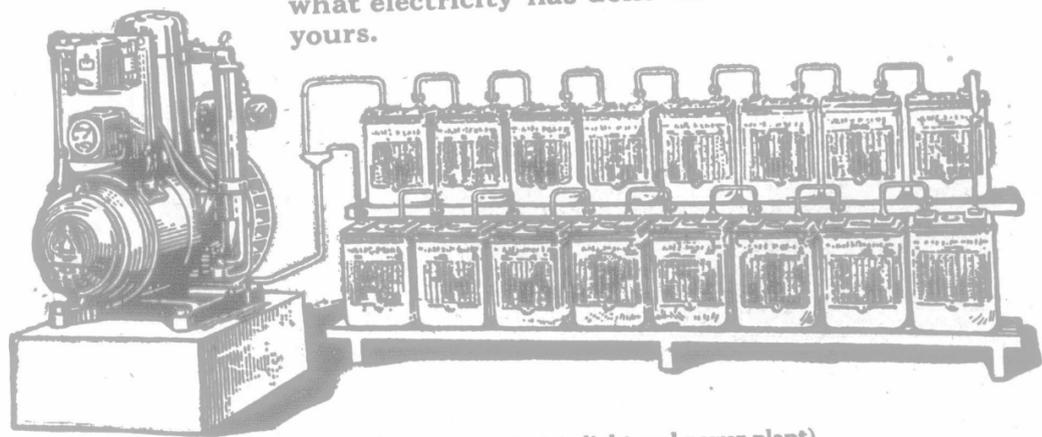
Over 50,000 Farms Improved

Delco-Light is a farm investment. Over 50,000 satisfied users are living better, producing more, earning more, because of Delco-Light. On these better farms electric power has supplanted hand labor for pumping water, milking, churning, separating and other chores. Human skill can be devoted to more profitable work. Clean, brilliant light makes indoor work quicker and easier, too. In the barn the farmer is no longer "one-armed"—he has no lantern to hold.

And because Delco-Light betters living conditions, farm help is more easily procured.

The Delco-Light plant is simple and efficient. A child can manage it. It supplies electricity unfailingly. It is economical, too, for it runs on kerosene (coal oil.)

Fully illustrated and intensely interesting literature about Delco-Light will be sent free of charge by your nearest distributor. Write to him to-day. See what electricity has done on other farms and what it will do on yours.



(Delco-Light, the complete electric light and power plant)

The Domestic Engineering Company, Dayton, Ohio

C. H. ROOKE, Ltd., 173 King St., East, Toronto
A. POLLARD, London, Ontario

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NOTICE

TO UNITED STATES CITIZENS IN CANADA

By the United States Military Service Convention Regulations, approved by the Governor-in-Council on 20th August, 1918, MALE CITIZENS OF THE UNITED STATES IN CANADA, WITHIN THE AGES for the time being SPECIFIED BY THE LAWS OF THE UNITED STATES prescribing compulsory military service, except those who have diplomatic exemption, ARE MADE SUBJECT AND LIABLE TO MILITARY SERVICE IN CANADA, AND BECOME ENTITLED TO EXEMPTION OR DISCHARGE THEREFROM, UNDER THE CANADIAN LAWS AND REGULATIONS. The regulations governing this liability are published in the Canada Gazette (Extra) of 21st August, 1918; copy whereof may be obtained upon application through the post to the Director of the Military Service Branch of the Department of Justice at Ottawa.

UNITED STATES CITIZENS of the description aforesaid who were IN CANADA ON 30th JULY, 1918, HAVE SIXTY DAYS FROM THAT DATE within which TO EXERCISE AN OPTION TO ENLIST or enroll IN THE FORCES OF THE UNITED

STATES, or TO RETURN to the United States; and THOSE WHO for any reason SUBSEQUENTLY BECOME LIABLE TO MILITARY SERVICE IN CANADA HAVE THIRTY DAYS FROM THE DATE of the accruing OF SUCH LIABILITY within which to exercise the like option. It is stipulated by the Convention also that certificates of diplomatic exemption may be granted within the optional periods aforesaid. EVERY CITIZEN OF THE UNITED STATES TO WHOM THE REGULATIONS APPLY is required to REPORT TO THE REGISTRAR under the Military Service Act, 1917, FOR THE province or DISTRICT WITHIN WHICH he is, in the manner by the regulations prescribed, WITHIN TEN DAYS AFTER THE EXPIRY OF HIS OPTIONAL PERIOD and will be SUBJECT TO PENALTIES IF without reasonable excuse HE FAIL SO TO REPORT. For the information of those whom it may concern, Sections 3 and 4 defining the requirements of registration, with which it will be necessary strictly to comply, are set out substantially as follows:—

REGULATIONS

3. EVERY MALE CITIZEN OF THE UNITED STATES WITHIN THE AGES for the time being SPECIFIED IN THE LAWS of the UNITED STATES prescribing compulsory military service, not including those who have diplomatic exemption, WITHIN TEN DAYS AFTER THE EXPIRY OF THE TIME LIMITED BY THE CONVENTION within which the Government of the United States may issue him a certificate of diplomatic exemption, SHALL TRULY REPORT TO THE REGISTRAR BY REGISTERED POST, and in writing which is plainly legible, his name in full, his occupation and the date of his birth; stating also whether he is single, married or a widower; and if the latter, whether he has a child living; also if married, the date of his marriage; and stating moreover his place of residence and usual post office address in Canada; and, if he reside within a city or place where the streets and dwellings are named and numbered, the name and number of his street and dwelling; or if he reside in another place, the lot and concession number, section, township, range, and meridian, or other definite description whereby his place of residence may be located, having regard to the custom of the locality in which he lives; and IF WITHOUT REASONABLE EXCUSE HE NEGLECT OR FAIL

TO REPORT IN THE MANNER and with the particulars aforesaid within the time limited as aforesaid, HE SHALL BE GUILTY OF AN OFFENCE, AND SHALL BE LIABLE UPON SUMMARY CONVICTION to a penalty not EXCEEDING FIVE HUNDRED DOLLARS, AND TO IMPRISONMENT for any term not exceeding six months, and moreover he shall incur A PENALTY OF \$10.00 FOR EACH DAY after the time when or within which he should have registered during which he shall continue to be unregistered.

4. EVERY UNITED STATES CITIZEN WHO HAS DIPLOMATIC EXEMPTION, although not otherwise subject to these regulations SHALL WITHIN TEN DAYS after the granting of the same truly REPORT TO THE REGISTRAR, in like manner and with the same particulars as required by the last preceding section; and in addition he shall embody in his report a true and complete statement of the particulars of his certificate of diplomatic exemption. NEGLECT OR FAILURE without reasonable excuse to comply with the requirements of this section SHALL CONSTITUTE AN OFFENCE PUNISHABLE IN THE MANNER AND BY THE PENALTIES provided in the last preceding section.

ISSUED BY THE DEPARTMENT OF JUSTICE, MILITARY SERVICE BRANCH.

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or are you seeking information on investments? If so, send immediately and obtain a free copy of our latest list of Government, Municipal and other Bonds, which on investments of \$1,000, \$500, \$100, or any amount will give an income yield of

5½ to 8%

This book came off the press September 1st. Write for your copy now. It will well repay you. Address Dept. C.

Graham, Sanson & Co.
INVESTMENT BANKERS

Toronto General Trusts Building
Toronto

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1866 1918

FALL WHEAT
Dawson's Golden Chaff, \$3.00 Per Bus.

FALL RYE \$3.00 Per Bus.

TIMOTHY Per Bus.
Government Standard No. 1.....\$7.00
" " No. 2 (Extra No. 1 for Purity)..... 6.80
Government Standard No. 2 (No. 1 for Purity)..... 6.25
Bags free for wheat and rye, 50c extra for timothy

Bargains Secondhand Cotton Bags (patched)
\$3.50, \$4.00, \$4.50 per doz.

GEO. KEITH & SONS
124 KING ST. E. TORONTO

Food Will Win the War

Serve your country and yourself by raising FOOD on the fertile plains of Western Canada. The Canadian Pacific Railway makes it easy for you to begin. Lands \$11 to \$30 an acre; irrigated land up to \$50, 20 years to pay. Loans to assist settlers on irrigated lands. Get full particulars and free illustrated literature from

G. A. Muddiman,
Land Agent, C.P.R.
Montreal, P.Q.

WANTED Alsike, Timothy, Red Clover, Ontario Grown Alfalfa, and White Blossom Sweet Clover. If any to offer please mail samples, and we will at once let you know highest prices we will pay f. o. b. your station. **TODD & COOK,** Seed Merchants, Stouffville, Ontario

Send to-day for a free copy of our handsome catalogue, which illustrates and describes the celebrated

SHERLOCK-MANNING

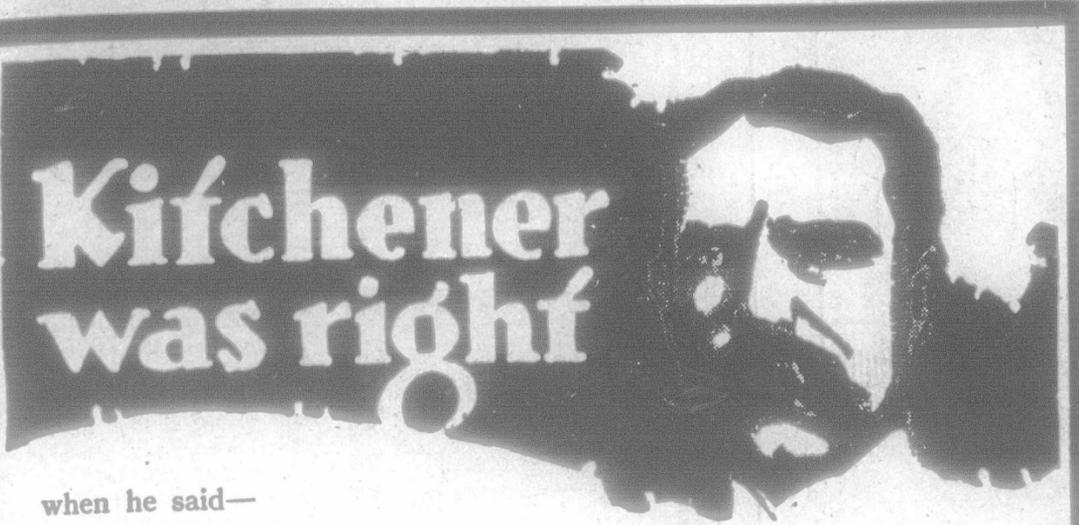
20th Century Piano—known as "Canada's Biggest Piano Value"
Write Dept. 18 for catalogue "T"
THE SHERLOCK-MANNING PIANO CO.
London, Canada. (No street address necessary)

VOLPEEK 
WILL STOP THE LEAK

Don't throw away your Pots and Pans. "Vol-Peek" will mend Graniteware, Tin, Aluminum, etc., in two minutes without tools. Always keep it in the house. At dealers or from us, postpaid, 15 cents. Vol-Peek Mfg. Co., Box 2024, Montreal, Can.

When writing please mention Advocate

Kitchener was right



when he said—

"Either the civilian population must go short of many things to which it is accustomed in times of peace or our armies must go short of munitions and other things indispensable to them."

NOW, the only way we can possibly live up to that obligation is by going without in order that our soldiers may have. For the money we waste is not money at all—it is equipment, clothing, shot and shell that are urgently needed in France.

By denying ourselves, therefore, we enable Canada to procure to the fullest extent the materials and labor which she and our Allies need for the successful prosecution of the war.

What happens when we fail to save?

A pull on labor by the Government in one direction and a pull on labor

by the people in the opposite direction. Hundreds of millions of dollars are of no use to the country if goods and services can be secured only to the extent of eighty millions of dollars. So we must do everything in our power to release both goods and labor for the purposes for which Canada needs them.

WHETHER it be food, coal, wool, steel, leather, labor or transportation, the result in all cases is the same. Whoever competes with the nation by freely satisfying his own desires, selfishly appropriates to his own use that which is so urgently required for our fighting men in France.

For the sake of your country and the boys "over there," spend cautiously. Think of what Lord Kitchener has said, and ask yourself first, "Is this something I really need or can I do without it?"

Published under the authority of the Minister of Finance of Canada



MAIL CONTRACT

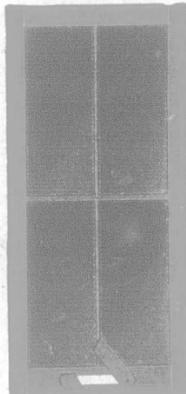
SEALED TENDERS, addressed to the Postmaster General, will be received at Ottawa until noon on Friday, the 27th day of September, 1918, for the conveyance of His Majesty's Mails, on a proposed Contract for four years, six times per week, over Princeton No. 3 Rural Route, from the Postmaster General's Pleasure.

Printed notices containing further information as to conditions of proposed Contract may be seen and blank forms of Tender may be obtained at the Post Offices of Princeton, Gobles, Paris and Richmond, and at the office of the Post Office Inspector, London.

CHAS. E. H. FISHER, Post Office Inspector.

Post Office Inspector's Office, London, 16th August, 1918.

Patent Solicitors—Fetherstonhaugh & Co. The old-established firm. Patents everywhere. Head Office: Royal Bank Building, Toronto. Ottawa Office: 5 Elgin St. Offices throughout Canada. Booklet free.



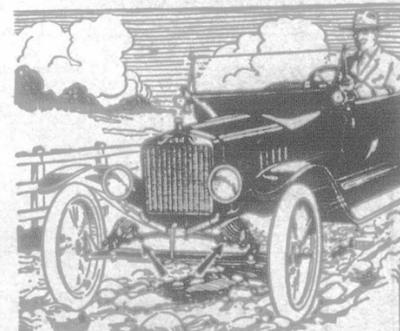
STORM WINDOWS GLAZED COMPLETE Made To Your Own Sizes

Keep cold winds out. Enjoy comfort without wasting valuable fuel. We make windows complete to suit your openings. Get our prices to-day before cold weather sets in. Ask for price list of Storm Windows.

Safe Delivery Guaranteed

THE HALLIDAY COMPANY, LIMITED
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Don't Let Rough Roads Keep You from Riding

IT ISN'T NECESSARY. Hassler Shock Absorbers on your Ford will make "rough spots" feel almost as smooth as an even stretch of road. Their gentle, springy action absorbs every jolt and jar.



Hassler Shock Absorbers make your Ford ride as easily as a \$2,000 car. They increase tire mileage 20 to 100%, save gasoline, cut your up-keep bills one-third, and increase the resale value of your car. 300,000 Ford Owners recognize their economy.

You can't realize how much difference they make until you try them. That is why we want to give you the opportunity to see for yourself.

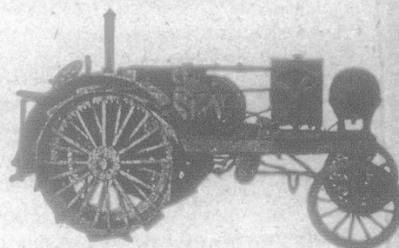
10-Day Free Trial Offer

Phone, write or call for FREE TRIAL BLANK and we will have a set of Hasslers put on your Ford without a cent of expense to you. Try them 10 days. Then, if you are willing to do without them, they will be taken off without charge. Don't ride without Hasslers simply because someone discourages you from trying them: Accept this offer and see for yourself. Over 300,000 sets in use. Do it now.



ROBERT H. HASSLER, Limited
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The Three-Plow Tractor for Ontario. The Tractor that makes good. The Tractor that has stood the test. The Tractor that is guaranteed under all conditions.

Write for free catalogue, prices and any information wanted.

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OUR CATALOGUE OF BUILDING MATERIALS AND TOOLS WILL SAVE YOU MONEY. WRITE FOR FREE COPY.

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and yourself on the fertile Canada. The way makes it begin. Lands irrigated land to pay. Loans irrigated lands. and free illus-

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D Alsike, Timothy, Red Clover, Ontario White Blossom offer please mail price let you know pay f. o. b. your BOOK, Ontario

of our handsome rates and decorated

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known as "Piano Value" catalogue "T" NG PIANO CO. (address necessary)



Pans. "Val-Peck" aluminum, etc., in two keep it in the house. 15 cents.

Montreal, Can. (

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BABY GRAND TOURING

**A Sturdy Model
for Strenuous Service**

THIS Chevrolet Model F A. has won a reputation for surplus power on hills and for general efficiency.

Every detail about this car was designed to produce an automobile of maximum power, comfort and service at a moderate cost, both initial as well as up-keep.

See this model at once.
Send for literature.

**CHEVROLET MOTOR COMPANY
of CANADA, Limited
OSHAWA, ONTARIO**



WILLIAMS
New Scale **PIANOS**



THE Pure, rich, mellow tone, and the sensitive responsiveness of this famous instrument combine to lift it high above the commonplace. It is a piano that will maintain its enduring charm for generations.

Georgian Model, \$500.00
THE WILLIAMS PIANO CO., LIMITED, OSHAWA, ONT.
Canada's Oldest and Largest Piano Makers



Be Sure of Your Weight

Be certain the goods you buy and sell are correct weight. Mistakes are always possible but accurate weight is assured by

**Fairbanks
Union Scales**

They save their cost every year by eliminating short weights in buying and overweights in selling. They are the most convenient size scales for general light weighing anywhere. They replace the old time spring balance scales condemned by the Canadian Government.

Complete with tin scoop, 10 1/2" x 13 1/2" platform, single brass beam and extra weights. The scoop capacity of Fairbanks Union Scales is 30 pounds by half ounces—the platform, 240 pounds by quarter pounds.

They are strong, compact, simple and guaranteed absolutely accurate.

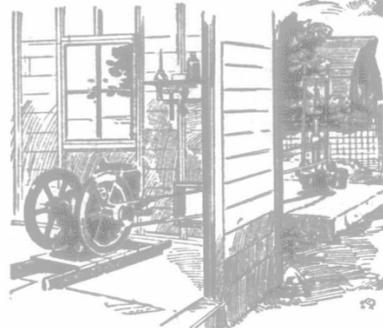
Write our nearest branch for information and prices of scales for any weighing purpose.

**The Canadian Fairbanks-Morse Co.,
Limited.**

St. John Quebec Montreal Ottawa Toronto
Hamilton Windsor Winnipeg Calgary
Saskatoon Vancouver Victoria

71

**Good
Farm
Help**



IS THERE an International Harvester **Mogul Kerosene Engine** on your farm? This is an important question because few factors contribute more to farm life, in the way of economy, time saving, comfort, and lasting satisfaction than the right size and type of **Mogul** engine.

You don't mind the lack of hired help so much when you have a **Mogul** kerosene engine to do the chores. Morning and night it takes care of all the jobs that used to be so tiresome, and it is ready to help out any hour of the day. You could hardly buy a more useful farm helper, or one that will give you more comfort and profit for the money.

Mogul engines are the standard steady reliable power. They are designed, made and backed by a manufacturing experience that grew out of three-quarters of a century of good farm machine building. They work economically on the cheapest engine fuel you can buy—kerosene or distillate. They start easily. They run steadily. They serve you well for years.

Buy **Mogul** power and run your farm more profitably and easily. Write the nearest branch house listed below for catalogues describing **Moguls** ranging in size from 1 to 50-H. P., in all styles, for all purposes, all using kerosene for fuel.

International Harvester Company of Canada, Limited

BRANCH HOUSES

WEST—Brandon, Man., Calgary, Alta., Edmonton, Alta., Estevan, Sask., Lethbridge, Alta., N. Battleford, Sask., Regina, Sask., Saskatoon, Sask., Winnipeg, Man., Yorkton, Sask.

EAST—Hamilton, Ont., London, Ont., Montreal, Que., Ottawa, Ont., Quebec, Que., St. John, N. B.

**THOUSANDS OF WESTERN
FARMERS** will take Life Insurance Policies in The Great-West Life when the harvest rush is over. They know that the Company's premium rates are low, and that remarkably high profits are paid to policyholders. They know, too, that there has never been the slightest question as to the manner in which the funds of the Company are handled; that the conditions under which policies are issued are altogether liberal, and, in short, that it pays to take insurance in the Great-West Life. Just now is a good time to get information. A special department is conducted to answer enquiries by mail.

THE GREAT-WEST LIFE ASSURANCE COMPANY
Dept. "Z". Head Office: Winnipeg

The Farmer's Advocate and Home Magazine

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1866

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LIII.

LONDON, ONTARIO, SEPTEMBER 19, 1918.

1356

EDITORIAL.

Keep the plow going when other work will permit.

Help your local fair to branch out and widen its field of usefulness.

Select flock headers early and condition them for the breeding season.

If the root cellar has not been cleaned out it will make a good job for a stormy day.

One thing agriculturists should press for, and that is representation on the Railway Board.

Silo filling is here again with plenty of bulk to handle, but not as good quality as we have had in the past.

Anyone having well-matured corn from this season's crop should give it special care. It will be wanted next spring.

Fall wheat going in at this or any later date should be well fertilized so as to ensure a good top growth before winter sets in.

Many implements can now be stored away for another year. The price of new machinery has soared to a considerable height. Protect what you have.

The results of the Butter Competition at the Canadian National suggest that some step is necessary in regard to cream and butter grading in Ontario.

July, 1919, will see the United States bone dry, or at least the regulations call for a drought to take effect then and to last till the troops are demobilized.

The stables should be renovated before the cattle are brought in; that will be some weeks yet, but cleaning and disinfecting the stables is not lost time, no matter when it is done.

No doubt history will deal very leniently with Sir Wm. McKenzie and Sir Donald Mann, but at present the public are not sorry that the C. N. R. and the two knights are parted.

The President of the Canadian National Exhibition Association was reported as saying that the stockmen would be permitted to utilize the Fair Grounds for a national winter show and control it themselves. Wherever the winter show is domiciled the breeders will control it; that much has been decided.

We heard an exhibitor, who was holding a grand champion cow in the show-ring at the Western Fair, say he had sold her sire to the butcher for \$50 when he was three years old. Many valuable sires go to the block when they should be put at the head of a good breeding herd.

Some time ago the word was given out at the Toronto Stock Yards that the price of hogs had to be lowered so as to conform more nearly with what was being paid at American stock yards. Since then there has been an increase in price on the latter markets, but the large buyers have still continued to pay \$19.50, fed and watered, at Toronto. Some of the smaller buyers have been improving on this slightly, but not enough to raise the general tone of sales. Another strange feature is that all the hog buyers throughout the country find out about the same time what the price will be next market day. There is no agreement, of course, at headquarters, but seemingly they are able to practically all settle on the one price and keep hogs at \$19.50 or thereabouts.

Live Stock to the Front.

Even the most optimistic would not have been surprised if the live stock at the recent exhibitions held in Eastern Canada had showed a falling off in numerical strength. Any kind of labor is scarce, but expert help, capable of fitting or caring for show animals, is a luxury which even the rich cannot obtain in any reasonable supply. Feed has been high in price and far from plentiful; the summer has been dry and too hot for the safety of highly fitted show animals. In spite of all these handicaps the live stock has been a feature of the fairs, and the showing made was superior in many departments to that of some previous years when stockmen prepared under more favorable circumstances. The live stock industry must be in a technically strong position or these manifestations would not have been apparent. Another noticeable feature was the number of exhibitors who brought out the product of their own herds, flocks and studs and depended upon it for recognition when the ribbons were handed out. We have seen breeders come to the fair with stuff largely purchased and do exceptionally well, but we have seen them come back in subsequent years with their own breeding only to meet with disappointment. Winning with one's own breeding is the acme of success. The average Canadian breeder is held in high repute because he is interested in and fond of the live stock he rears. Any business must be conducted on a business basis, but if the breeder is not attached to his animals he will not make the greatest success. Our neighbors to the South impute to Canadian breeders a very high place simply because the monetary interest in our herds and flocks is given a secondary place. These factors account to some extent for the splendid showing made at the fairs, and guarantee for the future a live stock industry which will continue to be a credit to Canada.

A Warning.

The exhibit erected by the Ontario Agricultural College, at the recent Canadian National Exhibition, was entirely too modest. In fact, the wing of the Government Building which is annually allotted to agriculture is not adequate to meet the needs of the Ontario Department and do justice to husbandry in this Province. The various branches are crowded for space and the College is cramped into a limited area along the wall, which snuffs out any spark of enthusiasm the staff of the Institution might have in regard to the College display. In spite of the limited space in the agricultural wing, room was found therein for an exhibit of a commercial nature and it was of such a character that it should have been a part of the College exhibit. The Ontario Department of Agriculture and the O. A. C. should not fail to take advantage of the splendid opportunity presented at the Canadian National to dignify the calling they represent. Almost one million people attend annually, and, as education is the primary object of all such events, it seems reasonable that the College, which is the fountain of agricultural information in the Province of Ontario, and one of the best in America, would only be doing its duty if it occupied, at least, one-half of the entire wing. If space at the Exhibition is altogether inadequate, the Ontario and Dominion Departments of Agriculture might well press for a building of their own to be erected after the war and when finances revert to a more healthy and normal condition. Other institutions and departments of the Provincial and Federal Governments seemingly have plenty of money to spend, while commercial enterprises are seldom outstripped in this regard. They, in whose hands we trust the public funds, should never spend lavishly or unwisely but on the other hand we should not like to see agriculture belittled and crowded into the background. Husbandry has always been treated in a miserly manner which to a large extent accounts for the dwindling rural

population. A new country like Canada, with unlimited possibilities wrapped up in its soil, can afford to spend a few dollars in developing these great natural resources. Our future will be just as grand as we care to make it, and agriculture in the years to come will depend on the breadth of vision with which the leaders of the present are endowed. "Where there is no vision the people perish." The exhibit of the O. A. C. at the Canadian National is another warning that we must awaken ere the slumber becomes too deep, for the morning of Canadian agriculture may pass and glorious opportunities may be lost.

The Duty of the Individual.

All armies are composed of units, and the units of individuals. When an army achieves a great victory it is due to the units and individuals making up that vast implement of warfare. If we do not do our part individually we can never expect to accomplish much collectively. The nation must have the support of its subjects during the dark hours of war, and the citizen at home should so live as to make conditions for the boys "over there" as comfortable and as safe as the horrors of war will permit. This means thrift, sacrifice, and doing without a great many things that would not be classed as the necessities of life. Farmers have always of necessity been thrifty in their manner of living so any enforced condition of thrift will never be felt to the same extent in the country as it would among the urban population, where prodigality finds more fertile ground. Doubtless as the war goes on further demands will be made on the finances of the individual, and in meeting them we are doing something to hasten the victory and cessation of this awful carnage. The wheels of industry must be kept turning, and the products of our farms must go to market overseas as a loan to the nations whose wealth has stood a terrible strain during the last four years. That is to say, Canada must finance very largely the sales we make abroad. To this end each and every one should regulate his expenditures and purchases so as to contribute to the cause that will mean a realization and continuance of the democratic ideals which every loyal Canadian holds dear.

A Chance to do Something for Agriculture.

On past occasions we have drawn attention to the coming vacancy on the Board of Railway Commissioners for Canada, which is more commonly known as the "Railway Board." On September 17 the term of office for Commissioners D'Arcy Scott and S. J. McLean expired, and at time of writing no appointments have been made to fill their places. In fact, it is felt that the big job of placing the C. N. R. under competent management will be attended to before anything definite will be done in regard to the Railway Board. However, those who have the interests of agriculture at heart should not delay in registering their demands for adequate representation on the Board of Railway Commissioners. This is a very important office, and the rulings of the Commission have a direct influence on the welfare of Canadian agriculture. What the farmer has to sell and buy makes up a larger tonnage for the railroads than that offered by any other industry, so why should we not have representation on the Board which regulates the service for all? Natural production overshadows all other enterprises in magnitude and economic importance, yet the railroads, upon which development depends to a very large extent, have been guided by men selected from walks of life apart from those occupations which mean the most to this Dominion. Prior to September 17 the Board was constituted as follows: Sir Henry L. Drayton, Chief Commissioner; D'Arcy Scott, Assistant Chief Commissioner;

The Farmer's Advocate AND HOME MAGAZINE.

THE LEADING AGRICULTURAL JOURNAL IN THE
DOMINION.

Published weekly by
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Hon. W. B. Nantel, K.C., L.L.D., Deputy Chief Commissioner; S. J. McLean, M.A., L.L.B., Ph. D., Commissioner; and A. C. Boyce, K.C., Commissioner. Under the Act a Commissioner holds office for a period of ten years, but he is eligible for re-appointment if he has not reached the age of 75 years, which is the disqualifying limit. The two Commissioners whose term of office has just expired are eligible for re-appointment but it is to be hoped that a reorganization of the Board of Commissioners will take place, giving proper representation to the various important industries in Canada. There are big things in view for agriculture, or at least schemes are beginning to take shape that will make for more stable and remunerative markets. The success of these plans will depend to a very appreciable extent on transportation and shipping, and it does not seem reasonable to leave the future of Canadian agriculture in the hands of a few men whose sympathies are foreign to the industry. Farmers are becoming more strongly organized, and no better use could be made of the organizations than through them to place worthy representatives in positions where they can safeguard the interests of agriculture. However, the Government must realize the importance of husbandry, and when the time comes they will surely give place to agricultural representation on the Board of Railway Commissioners.

The Western Fair could bring about a vast improvement in the live-stock department if judging were spread over two or three days instead of being practically all run off in one day. The exhibitors are in the habit of changing work, so to speak, but when all breeds are in the ring at one time it becomes practically impossible to find hands enough to bring out the entries. In the group classes particularly is this the case.

A recent treaty between Germany and Finland gives the Central Powers control of the man-power of Finland. It is estimated that this will give Germany an additional army of 35,000 men. The population of Finland is made up of about 2,352,990 Finns; 349,733 Swedes, and 5,939 Russians.

The latest Provincial crop estimates for Saskatchewan place the wheat yield at 98,500,000 bushels.

Nature's Diary.

A. B. KLUGH, M. A.

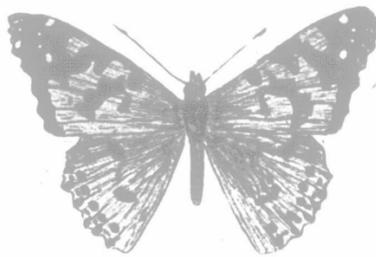
A butterfly which is common in many localities and which seems to be more abundant rather late in the season is the Compton Tortoise-shell, shown in Fig. 1. In this species the fore-wings are pale reddish-brown, with black markings, and with a square, whitish spot on the upper margin near the tip. The hind wings are shaded with dusky on their inner half, and have a blackish line near their margin and one black and one white spot near their upper margin. The caterpillar of this species feeds upon various species of Willows.

The Painted Lady, shown in Fig. 2, is a very common butterfly. The wings of this species are reddish-brown, the fore-wings having black markings and a series of white spots near their tip and the hind-wings a row of black dots near the margin. The caterpillar feeds upon the leaves of thistles and nettles. The Painted Lady has a very wide distribution, being found all over Europe, all over North America, throughout South America, in Africa, and in Australia. In some seasons this species is rather scarce, but in other seasons it fairly swarms, every thistle-top having one of these butterflies perched upon its head.



The Compton Tortoise-shell.

A very common and striking species is the Banded Purple. This species has an expanse of two and a half inches, the wings are a very dark purple, almost black, and both wings have a wide white band across the middle, while at the margin of the hind wings is a row of blue spots and just inside this a row of red spots. In its typical form this species is recognizable at a glance, but it is subject to considerable variation, and in some specimens the conspicuous white bands are entirely lacking. The caterpillar of the Banded Purple is greenish-brown, blotched with white, and feeds upon the leaves of the Hawthorn.



The Painted Lady (natural size).

We have now given cuts and descriptions of most of our commonest, and most easily recognized species of butterflies, and from these the reader should be able to distinguish and name a good percentage of the butterflies he meets upon his rambles afield. In addition to those with which we have dealt we have a host of other species, many of them very common but small, rather inconspicuous, and hard to differentiate in a few words, and other species which are of rare, or almost accidental, occurrence. If any of our readers should come across a butterfly which they desire named, if they will send it to us, with the wings folded together in a paper pocket, wrapped in many folds of paper so that it will not be crushed in the mail, we shall be glad to name it for them.

Some Brute Philosophy.

BY SANDY FRASER.

I had one of those city chaps with me for a short time last month. One o' the great army that were tae come frae the toons to save the situation an' the crops on the deserted farms throughout the country. He showed up a wee bit too late to be o' muckle help in gettin' the grain intae the barn, as I had made out, wi' the assistance o' a couple o' weeks o' vera favorable weather, to get the last o' it stored awa' the day before he came. But he wis a kind o' a lively chap in his way, and he paid for his board while he wis with me by tellin' stories o' his past experiences on the ither farms on which he had worked when he wis tryin' tae get a college education for himsel' an' pay the bills as he went along. The first man he hired with tae be a pretty high-strung individual for his temper used to get the better o' him tae such an extent that ilka time he had a

fit o' it an' tore around for a while, he had tae go to bed an' stay there for aboot twenty-four hours. To gie the story in oor city chap's ain words: "I wis warkin' in the barn one day at a job the boss had hunted up for me, when I heard a kind o' a racket in the direction o' the corn-field. I knew the boss had gone oot tae cultivate the corn wi' one o' the young horses, sae I ran back tae where he wis tae see if he'd got intae ony trouble. When I got within sight o' the field I saw him lacin' that horse wi' the ends o' the lines, while the poor horse, in his efforts tae escape, wis rinnin' in a small circle about the boss an' draggin' the cultivator after him. That part o' the ground wis weel worked up, I can tell ye that, but a' the same I wouldna' want to say that there wis muckle promise o' a crop o' corn. I caught the horse by the heid an' the boss threw doon the lines an' wi'oot a word, started for the hoose. I saw nae mair o' him that day. After I had got the horse calmed doon a bit I went on an' finished the field. It seems that the horse had stepped on a hill o' corn and when he had been jerked tae one side he had stepped on anither hill. Then the fight had started, wi' the result that aboot forty hills, or mair, had been scattered in as many different directions.

"One day, aboot a week after this, we were puttin' the coos in the stable at milkin' time when one o' the heifers got scared o' somethin' an' backed oot o' her stanchion before we got her fastened an' jammed the boss up against the wall. She ran oot o' the stable wi' the boss after her, wi' a sleigh-stake in his hand. When he got her intae the stable again he started in tae beat her wi'oot takin' the time tae shut the stanchion on her, wi' the result that the heifer got awa' on him again, an' this time, instead o' comin' back intae the stable, she jumped over the fence intae his pig-yard. The pickets in this fence had become kind o' rotten an' the result wis that she laid a couple o' panels o' it doon flat. In a meenute his thirteen pigs came stringin' oot an' spread themselves around the place wherever they could do the maist mischief. There wis naething for it but tae fix the fence an' then try to drive the pigs back through the gate. But onyone that kens a pig's nature will understand that we had tackled a bigger job than we could finish. In the end we had-tae tak' each pig separately an' run it doon. When its tongue wis hangin' oot an' it could rin nae further, we would throw ourselves on it an' when we had hauld o' it by the ears we could drag it awa' to the pen. By the time we had the last o' them back in their quarters the boss wis in bad shape. He wanted tae find that heifer an' kill her but he wis ower weak to undertake the job. All he could dae wis to navigate back tae the hoose, leavin' me tae milk the coos by mysel'. An' the next day he never showed up at all. For the rest o' the season I had charge o' that heifer, as she an' the boss never came tae speakin' terms while I wis there.

"Anither time I saw him go wild wis one day when he started tae load the milk-cans on to the wagon frae the stand. The ground kind o' sloped away from where the milk-stand stood an' he had forgotten tae block the wheels o' the milk-rig. He had one foot on the stand an' the ither on the wagon an' the meenute he lifted the can the wagon started off doon the hill. He couldna stay on the stand and he wisna' able tae gang wi' the wagon, sae he just cam' tae the ground, milk-can an' all, an' what milk his clothes didna' soak up ran awa into the dirt. He wis ower mad to speak an' just stood there an' watched the wagon rin doon the hill an' bring up against the fence at the bottom. For once he couldna tak' it oot on the horse or onything else but himsel', so he gave it up for a bad job. It wis the only time I ever knew him tae control his temper. The rest o' the times it wis always some one o' his horses or coos or pigs that had tae stand for it. I used to think often that it wis maistly that he kept them for."

I got a few mair stories such as these frae this city chap, and I hae been wonderin' if what he has been tellin' me is all just as it happened. I forgot tae ask him if he'd ever been a reporter for ony o' these toon papers. But he maybe wis straight enough. I've seen some things on the farm mysel', in the way o' what ye might call lack o' consideration for the feelings o' oor friends o' the pasture an' barn-yard. Auld St. Francis, wha lived a few hundred years back, used to call these same animals his "little brothers and sisters," and it might be a guid thing for some o' us if we could get a wee bit nearer this view of the matter than we dae. We are inclined tae forget that the "brutes," as we call them, hae just the same feelings as ourselves and mony o' them are as sensitive to cruelty an' rough treatment as the best o' us. For my part I could never see ony radical difference between human kind and the rest o' the animal kingdom. In fact, I've often thought that I've been acquainted with certain dogs an' horses that had mair o' the gentleman in them than there wis in some o' the chaps I hae seen walkin' around on their hind legs an' callin' themselves men. Wha kens but that there may be future stages o' existence for all life on this airth as weel as for just a part o' it. We canna say there is or there isn't. But onyway we're bringin' ourselves doon tae their level, or lower when we are cruel tae the animals or careless o' their welfare. I wis readin' just lately what a great preacher said on this point. Says he: "when a man forgets his dumb brothers and is dead to all their fears and sufferings he has lost his own soul." That's comin' it pretty strong, but it may be true for a' that. I hope I winna hae to find oot through experience. I'm no saint when it comes tae milkin' coos in fly-time or daein' ither jobs on the farm o' a-similar nature, I may as weel tell you that, but they say that it helps tae keep a mon on the right track to be pointin' oot the way to ither, so I'm juist experimentin' to see, maybe, what it will dae for me.

Six Weeks in the War Zone.

By John Weld, Manager of The William Weld Company, Limited, London, Ont.

Late in June a number of Canadian editors and publishers accepted the invitation of the British Ministry of Public Information to visit England and France in order to see those countries in their war clothes after almost four years of terrible conflict. The writer was one of the party to set sail from New York on the morning of June 28, and in the interim between that date and August 28, when we again landed on American soil, a great deal was seen which one could never find words to describe while much was seen that the censor's pencil would delete if it were pictured on the printed page. I shall attempt, however, to give a brief summary of the party's itinerary and relate a few of our adventures and experiences.

The party arrived at Liverpool on July 11 after a pleasant and interesting voyage, in company with a number of transports carrying United States' troops and equipment. Before going to France we were shown one of the large arsenals in England where the ammunition is being prepared for the artillery which is now doing such effective work. In this factory, known as the Woolwich Arsenal, there are 110,000 employees 50,000 of whom are women. This was only a sample of dozens of similar plants throughout England and Scotland whose gigantic output has made it possible for the British and French guns to retaliate as well as give splendid protection and support to the infantry in all offensive or defensive movements. The Witley and Bramshott camps were likewise interesting to the party, for the Canadian drafts are first taken to this area for recuperation after their voyage and for preliminary training. On arrival in England they proceed to the Segregation Camp at Frensham where they remain under normal conditions for a period of 28 days, during which time they are instructed in Hand Bombing and Anti-gas in addition to regular drill. The men then report at Witley to continue their training and become versed in all the art of modern warfare.

At Witley a mock attack, modelled on the battle of St. Julien, was staged, with barrages and attacks by artillery and waves of infantry. At camps such as this a great deal of attention is paid to recreational training and amusements. The Khaki College, too, under the supervision of Dr. Tory, formerly of the University of Alberta, is doing excellent work in an educational way. The instruction is carried on after training hours by officers and men engaged during the day in military duties. The course here is to equip one for civilian rather than military life and many of the men will be able to make good use of the education so acquired after they are discharged from the army.

On July 17 we left England for France and arrived at Boulogne where we underwent gas tests and received instruction in the use of masks and helmets. All along the road from Boulogne to Calais, our next stop, German prisoners could be seen at work; also West Indians, Algerians, and Chinamen. At Calais the Salvage work was witnessed where shoes, guns, and hundreds of other materials are repaired at a great saving to the army. In this connection we might briefly mention the Canadian Salvage Department at Witley Camp. On July 15 the Department had been in operation just a year and the total value of the saving amounted to \$83,925 for that period. Everything from bones to tin, wire and meat wrappers is stored, sorted and disposed of in the proper market. Even tea leaves are collected and during the year 9,035 pounds brought a revenue of £124 3s. The salvage system is developed to a remarkable degree throughout the entire army organization in France and England. At Calais we had an opportunity of seeing this work as it is conducted all along the line. After next visiting the American Headquarters of the second army corps at Bruges, the party met General Sir Arthur Currie at Canadian headquarters, and on the Crest of



Women at Work in an English Munion Plant.

Vimy he described the famous battle in which the Canadians wrested that stronghold from the Huns. General Currie is a big man in physique and leadership and he is willing to share the glory as well as the dangers and hardships attending any military adventure with the men under his command. The Canadian front lines were visited on July 20 and there many acquaintances were renewed between members of the press party and those who are doing their "bit" on the shell-torn fields of France.

At Hesdin, the British Headquarters, we were received by General Haig, who with the use of maps described the army formation at the front. In a brief address the Field Marshal spoke of the splendid valor of the men under his command, but the French too were extolled for their wonderful endurance and magnificent military achievements. Another very interesting day was spent at Verdun where in 1916 the German army, under the Crown Prince, made the sacrifice of one million casualties without obtaining their objective. Near the end of the great drive at the Fortress the Huns got within 300 yards of the Citadel, but at an awful cost, and the name "Verdun" will long remain a synonym for the famous French motto "They Shall Not Pass." Under the Citadel itself there are 4 passageways making up about 5 miles of tunnels through which light railroads run back and forth. At the end of each is a turntable where the small cars can be reversed. Fort Douaumont, which is a part of the Verdun fortifications, is shown in the accompanying illustration. This was approached by 1½ miles of trench through which the party can be seen wending their way. An underground avenue is then entered leading, far below the surface, for a considerable distance. In fact,

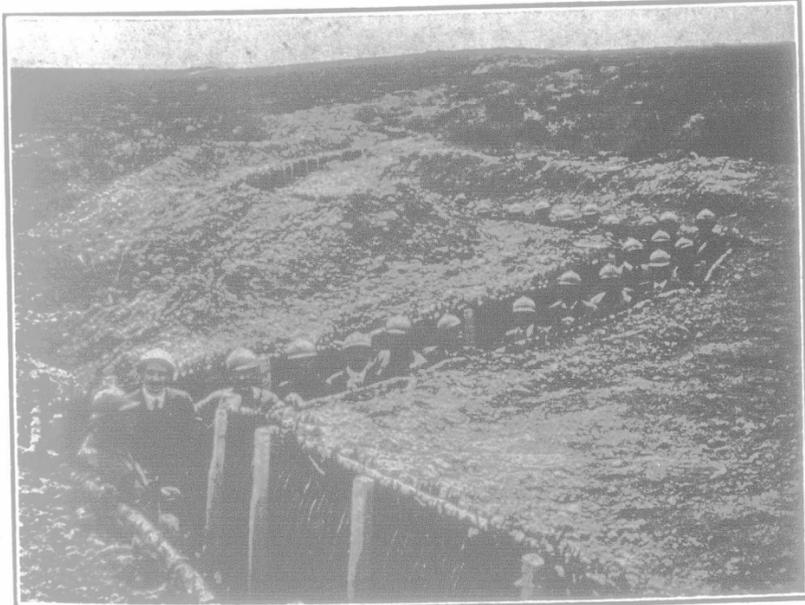
at one spot in this channel our guide informed us we were 1,800 feet below the surface. At the end of this subterranean passage we entered Fort Douaumont which is shown with a few of the party standing on its summit. This concrete work is only the cap, so to speak, for the guns and equipment are beneath the ground. During business hours the cap lifts, the guns rise, discharge, and automatically retire to safety in the earth. The fort throughout is a wonderful piece of engineering and altogether different in nature to the ordinary conception entertained regarding a fortress. At Ypres, in whose vicinity the Canadian army made such a heroic stand, the pressmen were entertained by three enemy machines in the air above and the bursting of Bosch shells in the immediate neighborhood. The city was nothing but a heap of ruins, and when civilians enter they are seeking dangerous ground on which to tread. Amiens enjoyed more lenient treatment from the Huns, for they intended to occupy it and make it a base from which to direct their drive upon Paris. This they almost accomplished, but at the crucial moment the Canadian cavalry charged into the advancing Germans and filled the gap until reinforcements established and strengthened the Allied line. As we passed through Amiens the streets were deserted for the population, numbering around 100,000, had retired from their homes to some place affording greater safety. At Hangest-sur-Somme we visited the Canadian cavalry corps and at Doullens the Canadian hospital, which was shelled on Corpus Christi day, when 34 were killed and a number wounded. During our stay in France we were shown samples of the fighting on each of the Allied fronts, besides visiting other historical spots unmentioned in this narrative. At Paris we were presented to Premier Clemenceau, the guiding spirit of France and now almost 80 years of age.

July 30 found the party again in England and ready for a further inspection of the wonderful war work being carried on there and in Scotland.

On the outskirts of London, about 12 miles from St. Paul's Cathedral, two branches of the British military forces, which I believe will play an ever increasing part in breaking down the Hun resistance, are located. This is really the headquarters for the British air service and the tanks. We spent two days here, and 12 of the party, including the writer, were sufficiently courageous, or fool hardy, to ascend in one of the large bombing planes. In this, about 5,000 feet above the earth, and at nearly 90 miles an hour, we flew over London and back to the aerodrome. The machine was equipped with two engines of 380 horse-power each, with twin propellers. The spread of the wings was 105 feet, and the length of the machine 65 feet. I was told off with 4 others, besides the pilot and engineer, for the second flight, but this was not the capacity of the plane, for she will carry almost 2 tons of explosives in addition to her crew when she starts off for Cologne or Berlin.

Four newspaper-men ascended in the first flight, and 3 others went up in aeroplanes of the scouting variety which carry only one besides the pilot. The sound of the engines and propellers in the large plane was deafening and not a word of conversation could be heard. The general impression is that the bombing plane will soon be carrying destruction and consternation into the very heart of Germany. And moreover, there is a feeling, which to me appears justifiable, that the German people should be punished for their atrocities in France and Belgium as well as their murderous attacks from sea and air on the unfortified towns and cities of England. The German people have condoned this worse than barbarous warfare, and it is only right that upon them a measure of retribution should be visited. The Entente Allies are fast gaining the mastery

Continued on page 1519.



The Press Party in a Trench Leading to Fort Douaumont.



A Number of the Press Party on the Summit of Fort Douaumont.

THE HORSE.

Defective Action in Horses.

Defective action in horses is usually due to undesirable conformation, and, in many cases, little can be done to correct it. The height of action can be regulated by careful shoeing and driving, but those factors do not influence the line of action to any considerable degree. The true actor will fetch each foot forward in a straight line, neither paddling nor rolling the fore feet, nor going wide or yet close enough to interfere with the hind feet. Any deviation from the straight line is defective. An exception to this may be made in respect to the Standard-bred or roadster, which class is allowed to go somewhat wide behind, although the "stright line" trotter or pacer is preferred.

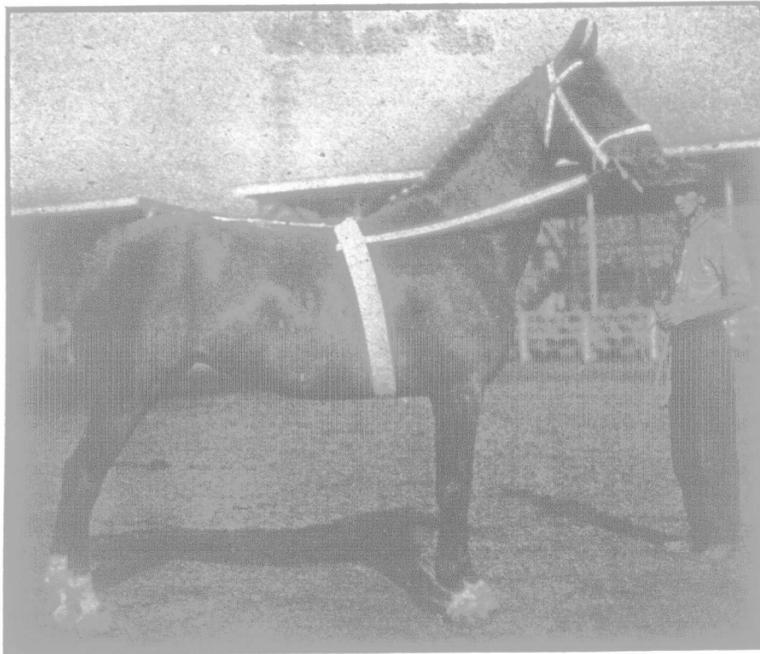
The line of action a horse will show can, with reasonable certainty, be told by his conformation. This is especially the case in regard to fore action. A horse with a breast of average breadth, with fore legs set well under the body and descending downwards in a straight line, deviating neither outwards nor inwards, will, with few if any exceptions, go straight, while if there be any deflections in the direction of the limbs from the elbow to the ground, or if he turn his toes either outwards or inwards, there will be deviation from the straight line of action. If the limbs swerve outwards he will of necessity stand with his feet too wide apart, and in most cases stand out-toed.

Out-toed horses usually roll their feet when in motion; that is, when the foot is lifted and brought forward the toe deviates inwards towards the pastern, fetlock, cannon or knee of the opposite limb, according to the height of action. In many cases the opposite limb is struck (wounds from this cause are called "speedy stroke"). In the case just mentioned there will probably not be speedy stroke, as the feet are planted at considerable distance apart, and although when lifted, a foot tends to come inwards under the centre of gravity, and at the same time the toe rolls towards the other limb, in most cases it will not strike, because it, instead of being well under the body, deviates outwards from the line of probable contact with the shoe of the lifted foot.

The opposite conformation is when the limbs deviate downwards and inwards from the elbow to the ground (which conformation is usually accompanied by a very wide breast) the feet are planted close together, and in many cases the toes turn inward. In-toed horses usually paddle or dish; that is, when the foot is lifted and brought forward the toe describes a segment of a circle outwards, requiring for progression a much wider space than when standing. At the same time horses of the conformation under discussion will not show the paddling gait to a marked degree, as when a foot is lifted the tendency of the whole limb is to incline outwards under the centre of gravity, and this, to some extent, removes from the foot the well-marked rolling motion. In either of the above cases there is little danger of the horse injuring himself on account of defective action, and although such defects lessen his value, especially for show purposes, they do not materially lessen his usefulness, and little, if anything can be done to rectify the imperfection. Probably rolling, causing speedy stroke, is the most serious defect in fore action. This is noticed in horses whose conformation from elbow to fetlock or pastern joint is normal, those which stand with the feet the proper distance apart, but whose toes turn outwards (out-toed). The malformation may be, and often is from the fetlock joint downwards. The bones below the joint deviating outwards to a greater or less degree, and as a consequence when the foot is planted the toe turns outwards. In other cases the defect is from the pastern joint downwards. The danger of the horse striking is usually in proportion to the degree of deviation and the height of action. The tendency is to roll the foot and strike the opposite limb. The liability to strike can, in many cases, be lessened by careful shoeing, when the fetlock of the opposite foot is the seat of contact, a heavy shoe with the toe rounded instead of having a calk, will, in many cases, cause the horse to lift the foot higher and thereby prevent contact. When the knee is the seat of contact a light shoe will usually lower action and prevent wounding. When the defect in action is so marked that he will strike at all heights prevention is very difficult. All manners of shoeing have been tried, such as shoeing with tips—that is, light shoes covering only part of the lower border of the wall, reaching only partly around and leaving the heels bare; lowering the inner side of the foot in order to correct the standing position and to some extent turn the toe inward. This in our opinion is dangerous, as in order to keep the foot and limb sound it is necessary that the horse stand level, as any material

deviation from this tends to put too much strain on certain tendons and ligaments, or to place the bones forming the joints in an abnormal position, hence predispose to disease.

Another method of shoeing is to use a shoe the outside of which from the toe to the heel is light, being of the same thickness as the inside but much narrower. The shoe must be of the same thickness in order that he may stand and plant the foot level, but the inside being wider increases its weight, and the theory (a mechanical one) is that when the foot is suspended in the air the weight of the inside tends to keep it below the level of the outside and thereby prevent the rolling action. Some claim that the outside should be the heavier, but we have never known it to correct the action and cannot understand the principle upon which it is supposed to act. The rolling motion in some horses is more easily modified than that of others, and what will affect one may have no beneficial action upon another. In many cases the fault cannot be corrected by any manner of shoeing, and unless the animal can do his work without shoes, we are compelled to use ankle, shin, or knee boots according to the height of action, and as this often depends upon the speed at which the horse is driven, and some horses will strike at any and all gaits, it is sometimes necessary to use boots that protect ankle, shin and knee. Another defect in action is "forging," that is, striking the shoe of the fore foot with that of the hind foot of the same side. This makes a click, click, click that to a horseman is very annoying. Some horses forge when "jogging" but not at a faster gait, others forge at mostly all gaits. The tendency to forge is indicated by a very short back, especially what is called a "roach back" where there is quite a noticeable elevation in the region of the loins, while all short or roach-backed horses do not forge, we seldom see a forger which is not of this conformation. The defect can often be remedied by shoeing



Model's Queen.

Champion Hackney female at Toronto, 1918; owned and exhibited by A. Shields & Sons, Canfield.

heavy in front and light behind. In other cases shoeing with tips in front will be effective.

Interfering or striking the hind fetlock or pastern with the shoe of the opposite foot is often very hard to correct. In many cases colts interfere when first put to work, and cease after they become stronger and accustomed to shoes. In other cases the fault continues, and while various devices and methods of shoeing have been tried, the manner of shoeing depending largely upon the particular part of the foot or shoe that strikes, there are many cases that cannot be rectified by shoeing and the only means of protection is the wearing of boots.

WHIP.

LIVE STOCK.

Secure a flock header early before all the good rams have been picked up.

Keep the shoats on pasture or stubble fields as long as possible. It will result in a saving in the grain ration.

The over-fitted ram leaves few lambs. Regular exercise will gradually reduce the flesh and give him greater vitality.

Any needed repairs in the stable should soon be made. It will not be long before stock will require stabling at nights.

The ewe and ram lambs should be separated. The latter should be fitted for market and the ewes carried along on a ration that promotes growth and vigor.

Larger windows could advisedly be put in many

stables. Not only does plenty of light make the stable healthier for the stock but it aids in doing the chores.

Too many proven sires are finding their way to the shambles in place of being placed at the head of another herd when their heifers come of breeding age. Right good sires can often be bought for beef prices. If fed and handled carefully a bull's usefulness should extend over a period of seven or eight years rather than but two or three.

Consider well the quality of herd or flock-header you purchase this fall. You cannot afford to use an inferior sire even if grade females are kept. Continued use of the right quality sire soon shows in the herd.

The herd sire should be particularly strong where the females are weak if well-balanced uniform calves are to be secured. Too often not enough study is given as to how the sire will mate with the herd.

Because the crops were good is no reason for wasting straw or hay early in the season. Better to go easy in the fall and have a little feed left over next spring, than to be lavish with the feed and be forced to stint the stock in the spring.

More Drastic Sheep Protection Law Needed.

EDITOR "THE FARMER'S ADVOCATE":

It is very much to be regretted that farmers of Ontario do not send more of their own class to represent them in Parliament, so that the laws and regulations pertaining to agriculture may be practicable and beneficial. There are many capable farmers who could ably represent a constituency in Parliament, and legislation which benefits the farmer benefits the country as a whole. I wish to mention one law, which was recently passed, to show how little our representatives know of the needs of the farmer, and of the handicaps placed upon him, which should be removed. The Act is called the Sheep Protection Law. I do not find much protection in it. Dogs are allowed to roam the country night and day, the same as before, and no dog owner is compelled to shut in or chain up his dog at night when most of the damage is done. We must, however, give our legislators credit for making an improvement over the old Act. A person may now shoot a stray dog on his premises between sunset and sunrise, that is, the law allows it but as a rule the dog doesn't. I have been trying to shoot dogs that were worrying my sheep at night, but so far have only bagged one. If a law were passed imposing a heavy penalty on any dog owner who allows his dog to run at large at night, it would be a big improvement and would prevent many sheep from being killed or worried.

At the present time a sheep owner only gets paid for the sheep killed or torn by the dogs. He is allowed nothing for the injury done to the remainder of the flock by being chased or worried. Many sheep, while undamaged physically, are rendered of little value by being worried. Raising the dog tax is a step in the right direction, but this increased tax will not stop the evil. Recently there have been half a dozen flocks of sheep attacked by dogs in our own neighborhood, and the damage was mostly done at night. If more sheep are to be kept there is great need of a real protection law. The Department of Agriculture advised me to apply to the municipal council for relief, but, situated as I am, this is rather difficult. My farm is in one township, within one mile of a village; one mile in another direction is another township; three miles the opposite way is another, and there are ten dog owners to one sheep owner, so it is quite clear that it is an impossibility to protect the sheep so long as the dogs are allowed to run at large at night.

Lambton Co., Ont.

A SHEEP FARMER.

Market Reports and Prices During August.

The price of all classes of live stock held fairly steady during the month of August. The receipts of some classes were on a par with those of last month, while in others there was a falling off. According to the monthly report of the Markets Intelligence Division of the Live Stock Branch, Ottawa, the receipts of cattle at the Toronto Union Stock Yards for the month of August were 19,648, as compared with 27,494 for the same month last year. The top price for good steers was around \$15.50, as compared with \$11 for the same period last year. There were heavy receipts of cattle on the Winnipeg and Calgary markets. At Winnipeg there were 35,975 head, and the top price was \$16. In Calgary there were 19,000 head with the price ruling a dollar lower than at Winnipeg. Comparatively few calves have been marketed as compared with last month. At Toronto Stock Yards there were only 3,036. The small receipts had a tendency to advance the prices slightly above those of a month ago. August is usually an off month on the hog market. Feeders make a practice of carrying the shots along so as to finish them on the new crop. At the Union Stock Yards 17,975 hogs were received, compared with 26,370 in July of this year. The price for selects went as high as \$20.25. At Winnipeg, 23,417 hogs were marketed at Calgary, 8,240 at Montreal (east end), 4,469. The Montreal quotation was a little higher than that of Toronto. A good many

sheep and lambs found their way to market during August, the number being 14,506 at the Union Stock Yards, as compared with 7,792 last month. The Toronto market was considerably stronger for good lambs than were any of the other large markets.

Live Stock Notes From England.

EDITOR "THE FARMER'S ADVOCATE":

While dairy cattle continue to meet with spirited demand, the commercial pig business has slackened considerably, and rates are much lower again. The pedigree pig trade, however, keeps abreast of the times, and at Lord Rosebery's sale at Dalmeny new record averages for Large and Middle Whites and Berkshires were established, and some sows sold at 220 guineas, 100 guineas and downwards.

A very sharp demand for non-pedigree Cumberland dairy cattle at Penrith saw £73 realized for cows, but £77 was made by A. Beck's cow in milk offered at Carlisle, and £80 realized there for Messrs. Shepherd & Son's heavy milker just calved. Top price at Clitheroe was £72; at Doncaster, £65 10s.; at Dublin, £62; at Otley, £61; at Bristol, £60; at Okehampton, £57 10s., and at Skipton, £57.

Pedigree ewes for carrying on a flock make high prices everywhere, the Duke of Marlborough aggregating £3,240 for 500 Hampshire Down ewes, and £174 15s. for twenty ram lambs. The sum of £30 each was given by E. Giles, Great Claxton, for a pen of ten Suffolk shearing ewes forming part of H. W. Daking's consignment to the Suffolk Sheep Society's sale, at Ipswich. Herbert Smith received 300 guineas for a Suffolk ram at last week's sale, his pen of twenty head averaging £56 10s. 6d. each. The big-priced ram won the Venning Gold Cup. At Blandford Fair commercial Hampshire Down ewes realized 90s., and Dorset Downs 87s. Rams of the same breeds made 26 guineas and 22 guineas, respectively, but Southdowns sold slowly at 6 guineas.

For his pedigree Berkshire pigs James Ismay averaged £30 apiece at Blandford. The sow, Iwerne Megan, realized 100 guineas, but Colonel Morrison gave 115 guineas for her daughter by Hury On.

Two fat Yorkshire bullocks have made big money, one of 161 stones weight offered at Driffild fetching £76 9s. 6d., and another at Malton, sent by Lord Middleton, realizing £64 12s. It scaled 176 stones.

ALBION.

Educate the Calf.

The other day we called at a farm place where a ten-year-old boy was exercising the calves. He had a neat, well-made halter that was adjustable so that it would fit calves of different ages. One calf in particular led well and would stand just where the young herdsman placed it. We were informed that this calf was to be shown at the School Fair. Not only did the boy have it well-trained but it was carefully groomed and in good condition. The father told us that since his boys had become old enough to wrestle with the calves and colts he had no difficulty in getting the stock to lead when mature. The boys enjoyed training the young stock and the education was good for both.

With the scarcity of help many of the herds get little handling, consequently are practically unmanageable when occasion arises that any of the individuals must be led. Even individuals of some show herds show lack of handling by the way they conduct themselves when brought into the ring. It is a big mistake not to handle and halter break the calves and colts. They are easier handled when small and they do not forget their lessons. Failure to have pure-bred stock broken to lead has resulted in the loss of more than one sale. Handling the young stuff is time well spent. If there are no boys around to do it the men could well afford to spend a little time at it. It will pay.

Breeding Stock.

The idea that putting stock in high fit for the showing injures them for breeding purposes is quite prevalent and some stockmen are adverse to purchasing show stock to put in their breeding herd. Undoubtedly there have been cases where holding a sire in extremely high fit for a considerable length of time has rendered him practically useless as a breeder, but this resulted more from the way he was fed and handled after the show season was over than to the high condition he was in while on the show circuit. Highly fitted females have failed to breed but this condition cannot always be traced directly to the amount of flesh they carry. Some stockmen have purchased show stock and have later been very much disappointed with the results. Their inexperience in handling this quality and kind of stock have in many instances been the cause. An over-fitted bull, ram or boar that has not had regular or sufficient exercise will probably fail to breed or leave weak stock. However, by careful feeding and handling this stock can be let

down a little in flesh, resulting in an increase in their vigor and prepotency. There are many instances on record to prove that show-ring winners and champions not only breed but breed stock that develops into show stuff. Gainford Marquis is a bull known to Short-horn men the world over as a champion in the showing and a getter of show stock. He has stood at the top of strong classes at the largest shows in America, and his get are following in his wake; they win their class in keen competition. Whitehall Sultan and Avondale are other noted examples of bulls of the type, conformation and fleshing to win championships whose breeding powers were not injured by the fitting. Many of their sons and daughters, and grandsons and granddaughters have won renown in the show-ring, a tribute to the quality of their sire. Windsor Gem, the champion female at the Royal Show in 1915 and the winner of the Shorthorn Cup and of the King's Challenge Cup as the best beast at the Smithfield Show, is a regular breeder and although running in the grass fields since early in 1916 our English correspondent writes that she looks fit to win in any show as a breeding cow. Numerous examples could be given with the different breeds to show that it is quite possible to fit for the show-ring and also retain the breeding propensities of the animals.

THE FARM.

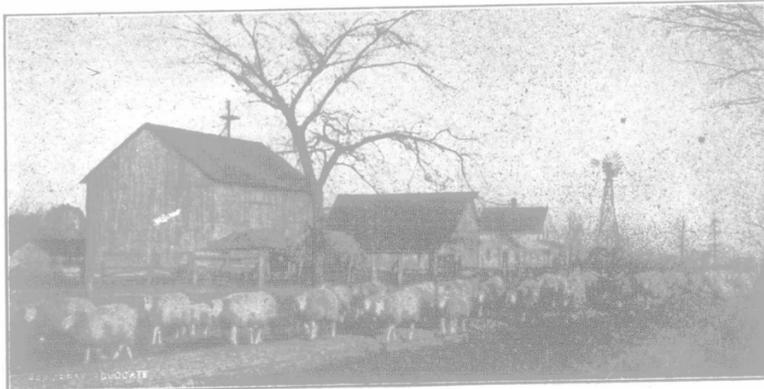
Six Weeks in the War Zone.

Continued from page 1517.

of the air, and evidence in England was not lacking that above the earth the issue will finally be decided.

The tanks, too, will be another factor in bringing Germany to her knees. We saw many of these at the Tankodrome, of various types and descriptions. The real "tanks" weigh about 60 tons and have engines of 150 horse-power. Their rate of speed is about 4 miles an hour. The "Whippet" tanks, a newer type, are only half as heavy but twice as speedy. The former type is armoured, of course, and from port holes as many as 8 machine guns can be operated. There are also tanks for transporting men and material, and some of them draw a bridge behind them to be used in crossing wide craters or trenches. The bridge is hauled almost into position; the tank then runs over it, pushes it over the space to be bridged and then crosses on it. Two very interesting days were spent at the Aerodrome and Tankodrome, for the two branches of the service represented here will ultimately play a very important part in the closing battles of the war.

Before leaving for Scotland we visited Shorncliffe



Part of a Farm Flock of Ninety-four Sheep.

The owner, W. Edward, of Lambton Co., Ont., suffered considerable damage to this flock by dogs.

Camp, besides other places of historic interest. August 5th was spent in Edinburgh, and on the sixth we left for a visit to the Grand Fleet on the Firth of Forth and Rosyth. Here we found the fleet lined up, stretching away for 10 miles and in many places two abreast. The American "chummy ships" were there, and all combined to make a wonderful display of the types of vessels which enter into sea warfare. A super-dreadnaught was inspected, as was a destroyer of the latest type, and a submarine. A look through the pyroscope of the latter was also a very interesting experience. The party came away not surprised that the German fleet does not come out. It was left to our imagination, however, to picture in our minds the thousands of vessels, large and small, which by day and night patrol the Seven Seas and keep open the highways of the ocean.

Our next move took us to Glasgow, where on the Clyde for a distance of 10 miles an almost continuous line of factories are engaged in the construction of ships and aeroplanes and the manufacture of munitions. For another 8 miles the plants are numerous but not so thick, making, in all, a distance of 18 miles strewn with industry engaged in war work. One plant visited had 150,000 employees, but this was not uncommon. One cruiser seen under construction was 900 feet long, 105 feet wide and will cost \$30,000,000; this, too, was only one of many such vessels which are constantly being launched. At Gretna the great cordite works are located and these employ 18,000 people, 12,000 of whom are women. August 9 was spent here, and the next day at Manchester. During the succeeding 10 days a number of hospitals and other institutions connected in various ways with war work were visited, and throughout the stay in England the party met such leading figures as His Majesty the King, Premier Lloyd-George,

Bonar Law, Viscount Northcliffe, Winston Spencer Churchill, Lord Beaverbrook, as well as many others upon whose ability and efforts so much depends at the present time.

A great deal has been omitted from this narrative which has already grown to a considerable length. Nothing has been said of the wonderful achievements agriculturally, in the face of a fearful draft on labor accustomed to working on the land. Women here, as in all kinds of work, are taking the place of men and liberating for the army man power without which the Allied forces would not have been able to withstand the onslaught of the Huns. England and France are now keyed up to an intense pitch, and the impression which I believe everyone carried away is that victory is no longer in doubt. The British people feel they are winning, the French believe the dark hours are over. No one can predict when the end will come; there may still be reverses: yet the gloominess which existed last spring has been wiped out and the nations which have borne the brunt give credit to the United States for turning the tide, and expect them now to assist in bringing Germany speedily to terms. American troops were in evidence everywhere, and the Central Powers, it is felt, can never muster enough man power to face the incoming armies from the nations across the seas.

Farm Power and Implements.

The display of farm machinery, tractors, auto mobiles, etc., was well worth anyone's attention at the Canadian National. The different manufacturers had their machines in motion, which gave intending purchasers an opportunity to compare the various makes. Tractors were used to drive threshing machines, silo-filling outfits, choppers, saws, etc. This is one thing in favor of the gasoline tractor; not only can it be used for drawing the plow, cultivator binder and mower, but when equipped with a pulley for attaching a belt it can be used to run various kinds of farm machinery common on the farm. The small threshing machine was exhibited by different firms. There appears to be a tendency for the return to the individual threshing outfit, as was quite common in the days of the old horse-power. This can be run with a medium-sized tractor, and farmers who have this power on hand feel that they can economize on time by having a small thresher and doing their own work on odd days during the fall and winter. The threshers are made on the same principle as the larger machines the only difference being that they will not take the grain so fast. Some have the self-feeder and blower attachment, while others have the handfeeder. On some of the machines a grain elevator was attached. This we believe is an advantage, as the grain can be piped to the various bins in the granary, thus practically saving the work of two men. Anything which will save man-labor at the present time is of assistance on the farm. This appears to be the age of gas and kerosene power for the driving of farm machinery. The windmill was once quite popular and it was an economical power, but the convenience and reliability of the gasoline and kerosene engines has placed the windmill in the background. Possibly the next forward step will be the general use of electricity. Electric power plants for the farm for running machinery and lighting the house and barn were on exhibition.

The different makes of plows, cultivators, and other farm machinery were to be seen. The heavy two and three-furrow plow appears to have taken the place of the light gang plow, which is brought about by the use of the tractor, and four-horse team, instead of two horses as was common a few years ago. Methods of converting the pleasure car into a tractor were demonstrated. The car would pull a two or three-furrow plow through fairly stiff soil. There were also pulleys to be attached to the crank shaft or to the hind wheels of the auto to transmit power to the circular saw, pump, chopper, or other farm machinery.

The machinery hall at the Canadian National is always an interesting building. Machinery is in motion and it is always interesting to watch the easy control of and the fine work done by machines of great dimensions.

FARM BULLETIN.

Conditions Generally are Good in Ontario.

Under date of September 9 the Ontario Department of Agriculture issued a brief description of conditions condensed from reports sent in by the Agricultural Representatives. This says that a good deal of plowing is being done or is being arranged for. Some fall wheat has been sown, and now that the rains have put the land in good shape for plowing, a wide acreage should be got in. Lambton, particularly, reports that farmers there are making every effort to plant as much fall wheat as they can. Threshing is proceeding vigorously, and in many cases field estimates are being exceeded. In the township of Sombra, in Lambton County, several cases are reported of oats yielding 100 bushels per acre. On several 100 acre farms in the same township some are threshing from 2,300 to 2,500 bushels of grain. Potatoes will not be up to the yield expected early in the season, but are on the whole clean and presentable. Roots, especially sugar beets and turnips, are reviving wonderfully, as the rain has gone well into the soil. Bean harvesting has begun, and promises a fair yield, although the recent heavy rains may affect the color. Some corn has been knocked down by the wet and windy weather.

A Banner Year for the Western Fair.

The Western Fair has staged its fifty-first annual exhibition. Situated as London is, in the centre of a rich agricultural district, the showing of live stock and farm products can scarcely be excelled at any other exhibition in the Dominion. While many of the exhibits were similar to those of last year, there is always a newness; this is seen in every building, in every stable, as well as on the grounds. The management of the Fair have endeavored to improve the judging rings by levelling up the ground, and also gave more space for the judging of stock. This was appreciated by the stockmen, but there is room for much improvement yet. An exhibition of the size of the Western Fair, a permanent judging ring is essential. Under the present conditions there is little inducement for visitors to follow the judging. Then, too, an effort appears to be made to get the judging out of the way as quickly as possible, as if it were but a secondary consideration. Consequently, Clydesdales were judged on Monday afternoon, which may be termed preparation day at the exhibition when there is only a score or more men, and most of them are exhibitors, to follow the placings of one of the most important classes of stock in Western Ontario. Tuesday is a rush day; three breeds of beef cattle and three of dairy, with classes frequently running larger than at the Canadian National, and competition equally keen, are run off in one short day. It is an injustice to exhibitors and to visitors to the fair. There should at least be a day for judging dairy cattle and another day for showing the beef breeds. It is rather a mockery to call Wednesday "Farmers' day" when the judging has all been done and the stock carefully blanketed in their stalls. There should at least be a fair share of judging done on Wednesday. No doubt, in the near future, improvement will be made along this line. The Western Fair is bound to grow; it cannot help it.

The barns and sheds were filled to overflowing with some of the best stock the country produces. Many of the herds were exhibited at the Canadian National and the classes were strengthened by entries from breeders throughout the Western portion of the Province. While the heavy horse exhibit was rather light, the cattle, sheep and swine were the best ever. Not only was there an increase in numbers over previous years, but the quality and uniformity was superior to that of the past.

The agricultural building was more attractive than ever. The exhibit put on by the London Asylum for the Insane showed samples of some of the crops grown at this Institution, and also showed the handiwork of many of the inmates. The entries from the Ontario Vegetable Growers' Field Crop Competition, while not equal in numbers to that of last year, surpassed it in quality. The single entries in the different vegetable classes were well filled. Competition was keen. The exhibitors, suspecting this, showed much skill in the selection of their various entries. The Experimental Farms had an educative and interesting exhibit, showing the results of some of their investigational work. Many visitors to the Fair lingered for a considerable time at this exhibit, securing information of value to them in their everyday work on garden and farm. In this building a demonstration was put on daily under the supervision of the Canada Food Board, showing practicable means of conservation and saving in the use of food products.

The grain exhibit was somewhat larger than usual and was of good quality. The Fair coming early in September, before many of the farmers had threshed, no doubt accounts for the entries in this class not being larger than they were. There was a good showing of roots and potatoes, and some well-made sheaves were entered in their respective classes.

In the horticultural building the exhibits were on a par with those of the past year. Besides the fruit and flowers, which made the building very attractive, was to be found the honey exhibit. In past years the honey was shown in the dairy building, but to give space to the wool exhibit, and to an exhibit by the Poultry Division at Ottawa, the honey was placed alongside the flowers.

In the various buildings about the grounds were the usual exhibits, put up by the different merchants and manufacturing firms. The Crystal Palace was filled to the doors; the machinery hall was overcrowded. These exhibits give the public a splendid opportunity of making comparisons and with the products of different plants exhibited side by side, the weak and strong points of each may be studied.

At the south end of the grounds there was what might be termed a tractor and farm machinery show. Numerous gasoline tractors were to be seen, and demonstrators were eager to show the possibilities of their particular machines as labor-savers and time economizers on the farm. Automobiles were turned into trucks and tractors. They were harnessed in different ways to run some of the heavier farm machinery. Threshers, silo-filling outfits, cultivating implements, stable fixtures, silos, steel-framed barn, different kinds of sheeting and roofing, pumps, grain grinders, modern appliances for stable and house, electric lighting for the farm, etc., were all to be seen.

The grandstand performance pleased many; the races attracted crowds; the mid-way was usually packed, and the excellent music rendered by the different bands was enjoyed by the thousands of visitors.

The 1918 Exhibition was a good one, even though the weather was unfavorable, and the management are to be congratulated for their untiring efforts in endeavoring to make the show a success. The Western

Fair will no doubt expand; it will outgrow its present location. In all its work it deserves the patronage of the people of Western Ontario. There is, however, a weakness which must be overcome before the exhibition will grow and expand as it should. That weakness is the lack of proper consideration given to the live stock interests. The live stock men should be catered to by the management. Every effort should be made to have them bring out their stock in large numbers, and we believe the time is ripe to have the judging of the stock extended over a period of four days, so as to give the visiting public an opportunity to see the product of the stables at their best in the live stock ring.

Heavy Horses.

Western Ontario has long been known as a centre for the production of draft horses, and the Western Fair has been the rendezvous of some of the best animals of the different breeds common in the district. Last year the entries of heavy horses were somewhat lighter than usual, and it is to be regretted that this year shows a further falling off. There are reasons for it, chief of which is the labor shortage on the farm. When the men are working in the field from sunrise to sunset they do not feel like taking the time which is necessary to put an animal in condition to enter the show-ring at the Western Fair.

The Clydesdale breed was most largely represented, with Percherons a close second; while the Shire breed was represented by some very good individuals, the entries were not so numerous as in the past. Percherons and Clydesdales are the chief draft breeds of Western Ontario.

This year the horses were judged in a large-sized, level ring, situated near the cattle barn. The distance from the stable caused a little inconvenience in the bringing out of the entries. Owing to being short-handed, many of the exhibitors had to take the entry they were showing to the stable and fix up their entry for the next class. This took considerable time and was responsible for the judging of the horses taking longer than usual. John A. Boag, of Queensville, made the awards.

Clydesdales.—Monday, the first day of the Fair, was what might be termed "Clydesdale day." Many of the entries came direct from the Canadian National but the local horses shown made the competition particularly keen in some classes. Some of the finest quality, cleanest-limbed, and trappiest Clydesdales that we have had the pleasure of seeing were brought out at the Western. It is unfortunate that the various classes were not better filled. Horses of the right calibre could be found in sufficient numbers throughout Western Ontario to treble this year's entries. However, conditions on many farms are such that time cannot be taken to fit and show the stock. Clydesdales in harness, which usually make a particularly strong class at the Western Fair were lighter than usual this year.

There were but two entries in the aged-stallion class. Lord Gray, an attractive horse and a trappy mover, was placed first. He is a horse with substance, good muscling, and with feet and legs that look as though they would stand a good deal of wear. This horse also won the sweepstakes ribbon. His competitor was possibly a heavier horse, but he had scarcely the quality or the action of the winner.

There were only two entries in the three-year-old class. Pride of Dunedin, exhibited by T. H. Hassard, of Markham, was an easy winner. He has beautiful quality, stylish appearance, excellent underpinning and snappy action. He is heavily muscled and well ribbed up; in fact, this horse would not have looked out of place wearing the sweepstakes ribbon. Oakland's Glory, the other entry in this class, was no mean individual.

The two-year-old class was the strongest of the day, there being six entries. Dusky Knight, a growthy, clean-limbed, well-ribbed-up colt, secured the red ribbon. This colt travelled well. Next to him stood Lord Newby, a colt with substance and quality which gives promise of developing into a right good horse. He had those flat, clean limbs which horsemen like to see. His pasterns were springy and his feet broad and deep. In third place stood Royal of Denholmhill, a colt of very good quality but not so sprightly a mover as the former two. There were but two entries in the yearling class, but they were colts of substance and quality.

Only three brood mares were in the ring, but they were three good, useful individuals. Ella Fleming, shown by A. Watson & Sons, of Forest, was a particularly good mare. She had substance, was well ribbed up, and had trappy action. She was a mare with quality. Farmer's Belle was placed second. She was not in as high fit as the winner, but she had a good set of feet and legs and knew how to use them to advantage. Both these mares had growthy, attractive colts by their side. Arowanna was a little different type of mare, with scarcely the quality of the two placed above her. A neat, tidy individual appeared in the three-year-old class. As sweet a thing as was shown appeared in the two-year-old filly class in Haldimand Bessie, exhibited by J. M. Peacock, of Jarvis. This mare won in a strong class in Toronto. She was an exceptionally big mare for her age and had particularly good quality. She picked herself up nicely when moving, and had a breezy appearance. Ada Fleming, in second

place, was a right good colt, but there are few individuals to be found that would win over Haldimand Bessie. Watson & Sons had a well-made, smooth yearling in Hazel Dean, the winner of the yearling class.

Exhibitors.—Millan & Millan, Brantford; A. Erskine, Parkhill; J. H. Lampman & Son, Palmerston; T. H. Hassard, Markham; J. F. Birr, Bridgen; Thos. McMichael & Son, Seaforth; A. Dingman, Stratford; S. J. Prouse, Ingersoll; W. W. Hogg, Thamesford; G. W. Knott, Seaforth; A. Watson & Sons, Forest; J. H. Peacock, Jarvis; R. T. Carson, Atwood; E. M. Durst, Clinton.

Awards.—Stallion, aged (2): 1, Erskine, on Lord Gray; 2, Millan & Millan, on Royal Ardleten. Stallion, three years (2): 1, Hassard, on Pride of Dunedin; 2, Lampman & Son, on Oakland's Glory. Stallion, two years (6): 1, Prouse, on Dusky Knight; 2 and 4, Dingman, on Lord Newby, and Mucius of Mellowside; 3, McMichael & Son, on Royal of Denholmhill; 5, Birr, on Gulf Stream's Heir. Stallion, yearling (2): 1, Hassard, on Marathon's Heir; 2, Knott, on Golden Guinea. Brood mare (3): 1, Watson & Sons, on Ella Fleming; 2, Hogg, on Farmer's Belle; 3, Peacock, on Arowanna. Filly, three years (2): 1, Carson, on Belle Merryfield; 2, Hogg, on Denholmhill Betty. Filly, two years (2): 1, Peacock, on Haldimand Bessie; 2, Watson & Sons, on Ada Fleming. Filly, yearling (2): 1, Watson & Sons, on Hazel Dean; 2, Durst, on Duchess Guinea. Foal (3): 1 and 3, Hogg; 2, Watson & Sons. Sweepstakes stallion and winner of the Clydesdale Horse Association Special: Erskine, on Lord Gray. Best mare, any age, and also winner of the Special: Watson & Sons, on Ella Fleming. Clydesdales in harness (2): 1, Hogg; 2, Peacock.

Heavy Drafts.—Under the classification of heavy drafts there was a good showing of horses. These are all Canadian-bred, and, while any breed of the heavy draft classes may show, the exhibit is almost entirely made up of Canadian-bred Clydesdales. A few of the entries appeared at the Canadian National and local breeders brought in entries which made competition keen in a number of the classes.

The quartette of aged stallions made a good showing. There was the characteristic masculinity in each individual and substance and quality combined to make each entry a horse worthy of mention. After each had moved in the ring, and the judge had closely examined them, McMichael's Colonel Bowers, a horse which stood second in his class at Toronto, moved to the head of the line, and when the winners of the various classes came out he secured the sweepstakes ribbon. This horse is heavily muscled, well quartered, and quality is shown throughout. Sir Simon Romeo, a horse with good appearance and a good deal of quality, was second. He did not travel quite so well as the winner but at that his action could not be faulted very much. A deep, thick, trappy horse stood third in King Darrel. The fourth entry, while having style and substance had scarcely the quality of the other three.

There were only two entries in the two-year-old class, and again McMichael led with Baron International, a horse which no one need be ashamed of. His well-built body was supported on flat, clean legs, springy pasterns, and deep, broad feet. In the yearling class there were also but two entries. Both were well fitted, National Bob had a little more substance than the Earl of Dee, the latter was placed first.

In the aged -mare class, Watson & Sons secured first place on Trim of Oro, a well-proportioned mare with good mettle and the right kind of feet and legs. McMichael had a good-topped mare in Floradora. She appeared to be a mare with a good disposition, but had scarcely the quality of the other mare.

The three-year-old class was won by J. Hutchinson, of Thamesford, on Edith Cavell, with O. Daniels, of Denfield, second with Lucy. Both are attractive fillies and should develop into good, useful mares.

G. W. Knott, of Seaforth, won the two-year-old class with Lady Wannatta. She was neatly-turned mare of high quality and was able to travel straight and true. McMichael had a strong-topped mare in Orange Blossom 2nd. She was a rather graceful mover, as her well-sloped pasterns gave elasticity to her step.

The exhibitors were Currie Bros., Denfield; H. McDougal, Tiverton; Thos. McMichael & Son, Seaforth; J. D. McPhee, Parkhill; J. Hutchinson, Thamesford; McLean & Stonehouse, Wyoming; A. Watson & Sons; Forest; J. H. Peacock, Jarvis; O. Daniels, Denfield; G. W. Knott, Seaforth; T. H. Hassard, Markham; G. C. Henderson, Lakeside; Neil McIntosh, Embro; Jno. McIntosh, Embro.

Awards.—Stallion, aged: 1, McMichael & Son, on Colonel Bowers; 2, McPhee, on Sir Simon Romeo; 3, McDougal, on King Darrel; 4, Currie Bros., on Bright Star. Stallion, two year: 1, McMichael & Son, on Baron International; 2, Hutchinson. Stallion, yearling: 1, McLean & Stonehouse, on Earl of Dee; 2, McMichael & Son, on National Bob. Brood mare: 1, Watson & Sons on Trim of Oro; 2, McMichael & Son, on Floradora. Foals: 1, Watson & Sons; 2, Peacock; 3, McMichael & Son. Filly or gelding, three years: 1, Hutchinson, on Edith Cavell; 2, Daniels, on Lucy. Filly or gelding, two years: 1, Knott, on Lady Wannatta; 3, McMichael & Son, on Orange Blossom 2nd; 4, Daniels, on Pride; 2, McLean & Stonehouse, on Daisy. Filly or gelding, one year: 1, Hassard; 2, McLean & Stonehouse; 3, Knott; 4, Henderson. Best stallion, any age: McMichael & Son, on Colonel Bowers. Best mare, any age:

Knott, on Lady Wannatta. Heavy drafts in harness: 1, N. McIntosh; 2, J. McIntosh.

Percherons.—One of the strongest classes of the show was that of the aged Percheron stallions, when six big, massive, free-moving, high-quality individuals appeared in competition. The classes for younger stallions were not well filled, but there was very good competition in the filly classes. While Western Ontario has for many years been a Clydesdale stronghold, the Percheron breed is gradually gaining a footing. The usually good disposition, the heavy muscling, and the ease with which they travel, are factors in their favor. Real good Percherons have the quality of underpinning that compares with the Clydesdale, but there is yet a tendency towards a little coarseness of the legs and a smallness of the feet in many of our Percherons. This, however, is gradually being eliminated by the use of sires of high quality. In point of entry the Percherons gave the Clydesdales a close run at the Western this year. The judging was done by John A. Boag, Queensville.

Nard, the winner of the aged-stallion class, and also the champion, is a stylish horse with a great middle. He is heavily muscled and well proportioned. His heavy crest, and bright eye give him that desired masculine appearance. In second place stood Lassie, an attractive horse of excellent quality. He had well-sloped pasterns, clean limbs and a good set of feet. He would not have looked out of place at the top of the class. Dextro, in third place, was a somewhat shorter-coupled individual. There were no three-year-olds out, and only one two-year-old.

There were four entries in the class for brood mares with foals by their sides. This was a very good class. The entries were all of good type and quality, but most of them were a little thin. Japanese, a deep, thick, well-proportioned mare, was finally placed first, with Juvenile, a mare with good quality underpinning but rather thin, second. Laretiverre fitted into third place. She was a big mare with a matronly appearance, but had scarcely the quality throughout of the two placed above her. The winning mare had a colt by her side which also won its class. It was a growthy, thrifty, well-proportioned youngster.

In the three-year-old class, Ratz & Herold stood first with a high-quality mare that had a neatly-turned body and an attractive appearance. She picked her feet up well and travelled with a long, free stride. She was good enough to win in the class for best mare any age. Solden had a tidy, trappy, nice-quality individual in the two-year-old class. She was somewhat superior in quality to the other entries. One of the others was rather coarse and did not move freely.

Exhibitors.—T. J. Berry, Hensall; Ratz & Herold, Tavistock; Thos. McMichael & Son, Seaford; F. C. Pearce, Oil Springs; W. E. Morden, Oakville; J. W. Coulter, St. Thomas; H. C. Solden, Hensall; Le Roy Goff, Glencoe.

Awards.—Stallion, aged: 1, Berry, on Nard; 2, Ratz & Herold, on Lassie; 3, McMichael & Son, on Dextro; 4, Pearce, on Hewet. Stallion, two years: 1, Morden, on Juvenile; 2, Solden, on Japanese; 3, Ratz & Herold, on Lassie; 4, Morden, on Juvenile; 5, Coulter, on Laretiverre; 6, Coulter, on Ratz & Herold. Filly, three years: 1, Ratz & Herold; 2, Morden, on Lady Kocarde; 3, Coulter, on Britannica; 4, Goff, on Hattie 4th, and Lillian H. Filly, one year: 1, Morden. Pair of Percherons in harness: 1, Ratz & Herold; 2, Goff. Stallion and three of his get: 1, Berry. Best stallion, any age: Berry, on Nard. Best mare any age: Ratz & Herold.

Agricultural Horses.—The classes for agricultural horses were the best filled of any. A particularly good showing was made. In the harness class, as high as eleven entries appeared in the ring. The exhibitors in this class and also the Farmers' Special were: J. W. Coulter, St. Thomas; Asa Downham, Thamesford; J. C. Henderson, Lakeside; Ratz & Herold, Tavistock; Henderson Bros., Lambeth; H. Jones, Beltog; J. H. Peacock, Jarvis; Currie Bros., Denfield; W. H. Falls, Belmont; G. W. Knott, Seaford; A. Watson & Sons, Forest; McLean & Stonehouse, Wyoming; J. Hutchinson, Thamesford; J. Thornton, Thorndale; C. Parsons, Lambeth; F. E. Hilliker, Norwich; W. H. Swift, St. Thomas; Wm. Briggs, Denfield.

Awards.—Brood mare with foal by her side: 1, Coulter; 2, Downham; 3, Henderson. Filly or gelding, three years: 1, Ratz & Herold; 2, Henderson Bros.; 3 and 4, J. C. Henderson. Filly, two years: 1, Downham; 2, Jones. Filly, one year: 1, Peacock; 2, Henderson. Foal: 1, Henderson; 2, Downham; 3, Coulter. Agricultural geldings or mares in harness: 1, Henderson; 2, Currie Bros.; 3, Henderson Bros.; 4, Falls. Farmers' Special, filly or gelding two years: 1, Peacock; 2, Knott; 3, Watson & Sons; 4, McLean & Stonehouse. Filly or gelding, three years: 1, Hutchinson; 2, Ratz & Herold; 3, Henderson Bros.; 4, Thornton. In single harness: 1, Henderson; 2, Watson & Sons; 3, Parsons; 4, Hilliker. Farm team: 1, Henderson; 2, Swift; 3, Briggs; 4, Coulter.

Shires.—The entries in Shires were not numerous. J. F. Birr, of Bridgen, showed against Johnston Bros., of Croton, in the aged stallion class, but had to be content with second place. Johnston Bros. had entries in most of the other classes, which were considered good enough to be awarded the various prizes. Shires have been bringing a particularly high price in England, but their popularity does not appear to increase very rapidly in Canada.

Light Horses.

The light horse exhibit was somewhat above the average in quality although there was a slight falling off in entries in some of the classes.

Thoroughbreds.—Judge, W. H. Millman, Toronto. Exhibitors.—W. H. Shore, Glanworth; A. Coventry, Ingersoll; J. Coventry, Woodstock; J. McFarlane, Ailsa Craig.

Awards.—Stallion, any age: 1, Shore; 2, McFarlane; 3, J. Coventry; 4, A. Coventry. Brood mare: 1, McFarlane. Filly or Gelding, 3 years: 1 and 2, McFarlane. Filly or Gelding, two years: 1, Coventry. Filly or Gelding, one year: 1, 2 and 3, McFarlane. Foal: McFarlane. Stallion and three of his get: Shore. Sweep-stake ribbon, McFarlane's yearling. Special, two-year-old gelding or filly: 1 and 2, Shore; 3, McFarlane. Gelding or mare, three years old: 1 and 2, Shore; 3, McFarlane.

Roadsters.—The Roadsters made a good showing. The classes were filled and competition was keen. Awards were placed by E. B. Clancey, Guelph.

Exhibitors.—Dr. Routledge, Lambeth; F. N. Case, Burgessville; W. H. Shore, Glanworth; J. A. Paterson, Shakespeare; B. Ratz, Tavistock; L. Fried, New Dundee; W. D. Smith, Woodstock; McLean & Stonehouse, Wyoming; A. W. Venning, Belmont; J. A. Paterson, Shakespeare; Geo. Allan, St. Mary's; S. Hastings, Schomberg; S & R. D. Campbell, Komoka; J. G. Harris, Lambeth; G. W. Howell, St. George; M. S. Rosser, Denfield; A. Young, Mt. Hope; J. D. McVicar, Belmont; J. M. Patterson, Paris; J. M. Mabee, Aylmer.

Awards.—Brood mare with foal: 1, Case; 2 and 3, Shore; 4, Routledge. Filly or Gelding, three years: 1, Smith. Filly or Gelding, two years: 1, Patterson; 2, McLean & Stonehouse; 3, Venning; 4, Shore. Filly or Gelding, one year: 1, Paterson; 2, Shore. Foal, 1, Routledge; 2, Paterson; 3, Shore; 4, Case. In harness, 15-2 and over: 1, Routledge; 2 and 3, Patterson; 4, Ratz. In harness, under 15-2: 1, Patterson; 2, Hastings; 3, Fried; 4, Allan. Pair, trotters, over 15-2: 1, Patterson; 2, Campbell. Pair trotters, under 15-2: 1, Ratz; 2, Howell; 3, Cole; 4, Fried. Single Pacers: 1 and 2, Harris; 3, Mabee; 4, Rosser. Pair Pacers: 1, Harris. Single, in harness: 1, Hastings; 2, Allan; 3, Ratz; 4, Young. Pair, in harness: 1, Ratz; 2, Campbell; 3, Vicar; 4, Fried.

Standard-bred.—In the Standard-bred classes were entries from the stables of D. J. Wood, London; H. W. Lumby, Ridgeway; L. Fried, New Dundee; C. McKeegan, Strathroy; T. H. Hassard, Markham; F. White, Hamilton; W. Oddy, St. Mary's; W. H. Harvey, Sarnia; H. Currie, Strathroy; F. S. Scott, Galt; D. Douglas & Sons, Mitchell; J. F. Wood, London; B. C. Ratz, Tavistock; C. J. Shore, Glanworth. E. B. Clancey was the judge.

Awards.—Stallion, aged: 1, McKeegan; 2, Hassard; 3, Lumby; 4, Fried. Stallion, three years: 1, Oddy; 2, Harvey; 3, Currie; 4, White. Stallion, two years: 1, Douglas; 2, Scott; 3, Wood. Brood mare: Douglas. Gelding or Filly, three years: 1 and 4, Scott; 2, Shore; 3, Ratz. Gelding or Filly, two years: 1, Wood. Foal: Douglas. Best stallion in harness: Oddy. Best mare, in harness: Scott.

Hackneys.—Visitors to the Western Fair have seen better exhibits of Hackneys at former shows. However, many of the entries pleased the spectators by their high stepping and graceful form. E. B. Clancey of Guelph, made the awards.

Exhibitors.—A. Smith, Aylmer; A. Yeager, Simcoe; Le Roy Goff, Glencoe; A. Watson & Sons, Forest; J. W. Coulter, St. Thomas; G. H. Smith, Delhi.

Awards.—Stallion, aged: 1, Yeager; 2, Smith. Brood Mare: 1 and 2, Goff; 3, Watson; 4, Coulter. Filly or Gelding, three years: 1, Smith. Filly or Gelding, two years: 1, Watson. Filly or Gelding, one year: 1, Goff; 2, Watson. Foal: 1, Goff; 2, Coulter; 3, Watson. Best mare: Yeager. Special for stallion, any age, Yeager.

Carriage and Coach.—Outside of the aged-stallion class and the classes for horses in harness the competition was not particularly keen. W. H. Millman was the judge.

Exhibitors.—F. Smith, Pt. Burwell; F. N. Case, Burgessville; A. Smith, Aylmer; W. Rigney, London; E. S. Little, London; W. H. Shore, Glanworth; F. Gee, London Jct.; C. Armstrong, Paris; D. N. Munroe, Glencoe; A. Young, Mt. Hope; G. H. Smith, Delhi; A. Yeager, Simcoe; C. Anderson, London; D. Campbell, Komoka; B. C. Ratz, Tavistock; W. Kent, Embro; C. J. Shore, Glanworth.

Awards.—Stallion, aged: 1, Smith; 2, Rigney; 3, Case. Brood mare: 1 and 2, Shore. Filly or Gelding, three years: Little. Filly or Gelding, two years: 1, Shore; 2, Case; 3, Gee. Filly or Gelding, one year: 1, Shore; 2, W. H. Shore; 3, Gee. Foal: 1 and 2, Smith; 3, Single, in harness, 15-3 and over: 1 and 3, Smith; 2, Young; 4, Armstrong. Single, in harness, under 15-3: 1, Yeager; 2 and 4, Smith; 3, Young. Pair, in harness, 15-3 and over: 1, Yeager; 2, Smith; 3, Young; 4, Patterson. Pair, in harness under 15-3: 1, Smith; 2, Yeager; 3, Young; 4, Anderson. Farmers' section: Single, in harness over 15-3: 1 and 4, Young; 2, Armstrong; 3, Campbell. Single, in harness under 15-3: 1, Yeager; 2, Young; 3, Ratz; 4, Kent. Double, in harness: 1 and 2, Young; 3, Munroe.

Ponies.—The main competition in the Pony classes was between J. Lloyd-Jones, Burford and Millan & Millan, Brantford. J. Banbury had an entry in class under saddle. Jones had the only entries under the Welsh classification. In the class for Pony under saddle, Jones had first, third and fourth placings, with Millan & Millan in second class. Single, in harness, 12 hands and under was won by Millan & Millan with Jones in second and third. The Brantford exhibitors also won the single harness class for over 12 hands.

Jones was third. Millan & Millan was first with pair of ponies with Jones 2 and 3. Jones had the champion mare and stallion.

Beef Cattle.

Competition was never so keen in the beef classes, at the Western Fair, as it was this year. In practically every class of the three breeds animals of high quality returned to their respective stalls without having got into the money. It was no disgrace to stand fifth or sixth in many of the classes. There were very few poor-quality or under-fitted animals brought into the ring. With all three breeds there was marked uniformity of breed type, size and quality in the various classes. Eight and nine entries were quite common, while in a few classes there were as many as ten and eleven. The beef cattle were all judged on Tuesday, and a large crowd of spectators witnessed the placing of the awards. Many of the herds were brought direct from the Canadian National, and the strength of the various classes was added to by entries from local herds. H. Pettit, of Freeman, made the awards in the Short-horn classes; Captain Robson, of London, awarded the prizes on the Angus entries, and Harry Smith, of Hay, judged the Herefords.

Shorthorns.—The aged-bull class was one of the strongest that has been at the Western for some years. Five big, massive individuals answered the call and took their respective places to await the decision of the Judge. As Mr. Pettit had imported one of the entries in this class, the task of making the placings was given to D. Brien, of Ridgeway, and S. Nicholson, of Parkhill. In the ring was J. G. Barron's Lancaster Lord, the senior and grand champion at the Canadian National. This bull has a good head and a particularly good front, but is rather plain in the hind quarters. Elliott was out with Newton Loyalist, a well-balanced individual with a smooth, blocky body and a breezy appearance. He is not quite so massive as some of the others, but he is an animal of high quality and appeared in a little better bloom than he did a week ago. Sea Gem's Pride showed to considerably better advantage than he did at Toronto. This bull is possibly in higher fit than any of the rest. Volunteer, a son of Blarney Stone, was exhibited by H. Smith, of Hay. This is a straight, well-balanced bull, but he does not show to particularly good advantage when moving. Finally, Sea Gem's Pride, a son of Trout Creek Wonder, was placed first, with Newton Loyalist, sired by Newton Crystal, in second place. Lancaster Lord, a son of Archer's Hope, had to be content with third place.

In the two-year-old class was found the senior champion in Belmont Beau, the entry of T. E. & H. C. Robson. This is a big, sappy strong bull with a deep, blocky body. He is exceptionally straight in his lines and possesses splendid quality. Gardhouse was second in the class with Sultan's Choice. This is a particularly big bull for his age. He is long-bodied, strong-topped and has a breezy head. Gainford Eclipse, a fairly well-balanced individual with plenty of substance was third.

Only one entry appeared in the senior yearling class, but there were four in the junior yearlings. The latter class was headed by Trout Creek Wonder 2nd, a well-proportioned animal that gives promise of being a worthy son of old Trout Creek Wonder. Kyle had two right good yearlings in this class. They were thick, sappy fellows and were brought out in good condition.

The personnel of the senior calf class was similar to that of the same class at Toronto, and the awards went to practically the same animals. There were nine in the class. Rosemary Sultan, the winner of the class, also secured the junior and grand championship.

There were six entries in the cow class, all of which appeared at the Canadian National, with the exception of Mapleshade Nonpareil 5th. Elliott again won the class with Roan Lady, that massive cow with great spring of rib, depth and thickness of body, and with a high degree of quality. Barron secured second and third on the cows which won for him the previous week. In fourth place was an entry from the Robson herd.

Five two-year-olds were shown, with Rosa Hope 21st, that model Shorthorn female, standing at the top of the class. Barron worked into second place with Lavender 46th, a low-set, thick, well-proportioned animal. Robsons had a sappy, fine-quality heifer in fourth place.

The senior yearlings were four in number, with Barron's Oakland Baroness standing at the top. This is a low-set, deep, thick heifer, well-meated down to the hocks. Gardhouse was second with Lady Sultan, a breezy little heifer which is a trifle high at the tail-head.

Emma 62nd, a sweet, sappy heifer and a splendid handler, won in the junior yearling class, with Roan Lady 11th, a heifer with an excellent front, in second place. Robsons' entry worked up to fourth. She was a straight-lined, smooth, well-fitted individual. Barron again won the senior calf class and also the junior championship on Lavender 42nd. Gardhouse won second and third, while Harry Smith took fourth place with a calf that could not be faulted much.

The herd and group classes filled the ring to overflowing and made an imposing sight.

Exhibitors.—J. G. Barron, Carberry, Man.; Kyle Bros., Drumbo; H. Smith, Hay; J. J. Elliott, Guelph; Geo. Paterson, Watford; McLean and Stonehouse, Wyoming; D. Brown & Sons, Shedden; Jno. Gardhouse & Sons, Weston; T. E. & H. C. Robson, Ilderton; J. McLean, Rodney; G. W. Keays, Hyde Park.

Awards.—Bull, aged: 1, Kyle Bros., on Sea Gem's Pride; 2, Elliott, on Newton Loyalist; 3, Barron, on Lancaster Lord; 4, Smith, on Volunteer. Bull, two years: 1, Robson, on Belmont Beau; 2, Gardhouse, on

Sultan Choice; 3, Brown, on Gainford Eclipse. Bull, yearling: 1, McLean, on Spring Valley. Bull, junior yearling: 1, Brown, on Trout Creek Wonder 2nd; 2 and 3, Kyle Bros., on Royal Fame and Village Ramsden; 4, Keays, on Baron's Choice. Bull, senior calf: 1, 2 and 5, Gardhouse, on Rosemary Sultan, Roan Lady Sultan, and Bapton Sultan; 3, Barron, on Star of Hope; 4, Elliott, on Newton Perfection; 6, Kyle Bros., on Broadhooks Ramsden. Bull, junior calf: 1, Kyle Bros., on Ivanhoe; 2, Paterson, on Champion Sultan; 3 and 4, McLean & Stonehouse, on Royal Archer. Cow, aged: 1, Elliott, on Roan Lady; 2 and 3, Barron, on Fairview Baroness Queen and Fairview Jubilee Queen 3rd; 4, Robson, on Mapleshade Nonpareil 5th. Dairy Short-horn: 1, Elliott, on Red Jessie; 2, Kyle Bros., on Golden Drop. Heifer, two years: 1 and 3, Elliott, on Rosa Hope 21st and Queen Emmeline; 2, Barron, on Lavender 46th; 4, Robson, on Roan Beauty 2nd. Heifer, senior yearling: 1 and 3, Barron, on Oakland Baroness and Cicely's Gem; 2, Gardhouse, on Lady Sultan; 4, Kyle Bros., on Victoria. Heifer, junior yearling: 1 and 3, Elliott, on Emma 62nd, and Augusta of Langbank; 2, Gardhouse, on Roan Lady 11th; 4, Robson, on Mina of Fairfield. Heifer, senior calf: 1, Barron, on Lavender 47th; 2 and 3, Gardhouse, on Queen of Weston, and Roan Lady 12th; 4, Smith, on Roan Lady 54th. Heifer, junior calf: 1, Gardhouse, on Princess Silver; 2, Kyle Bros., on Lady of the Valley; 3, Robson, on Rosemary 250th; 4, Smith, on Diamond Dewdrop; 5, Brown, on Walnut Strathallan. Senior champion male: Robson, on Belmont Beau. Junior and grand champion: Gardhouse, on Rosemary Sultan. Senior and grand champion female: Elliott, on Rosa Hope 21st. Junior champion female: Barron, on Lavender 47th. Graded herd: 1, Elliott; 2, Barron; 3, Robson. Three animals, get of one sire: 1 and 2, Robson; 3, Barron. Two animals, progeny of one cow: 1, Barron; 2 & 3, Gardhouse. Best four calves: 1, Gardhouse; 2, Barron; 3, Kyle Bros.; 4, Elliott. Junior herd: 1, Gardhouse; 2, Barron; 3, Elliott; 4, Kyle Bros.

Aberdeen-Angus.—The showing of Aberdeen-Angus was superior to anything previously seen at the Western Fair. Larkin, Lowe, Bowman and Fraleigh brought their herds direct from the Canadian National, and the entries were strengthened by Colonel McEwen's herd of Duddies. The personnel of many of the classes was similar to that of the previous week, but there was considerable change in the placings. Some of the animals did not show quite as well as they did at the Canadian National, while others appeared to better advantage, and the entry into the competition of new animals was responsible for some entries standing higher and others lower than they did at Toronto. Then, too, all judges do not view an animal in the same light; some lay more stress on one point than do others. The awards were fairly well distributed between the five herds competing, thus showing that no one breeder possessed all the good ones. In many of the classes there were seven or eight entries, and all were so nearly alike in type and conformation that it was difficult for the average spectator to see wherein one excelled the other. Some of the herds were in a little higher fit and better bloom than others.

The four aged bulls made a strong class. Bowman secured first on Young Leroy, and, after considerable deliberation on the part of the judge, he was awarded the senior and grand championship over Benedictine Monk, that particularly smooth, evenly-developed, sappy, two-year-old of Larkin's, which won his class at both Toronto and London, and the highest honors at the former show. Lowe secured the first prize in the senior-yearling class on Middlebrook Monarch. Although this calf was placed second at Toronto, he had the qualifications to warrant him wearing the red ribbon. Colonel McEwen worked up to first place with the junior yearling Merry Lad, while his junior calf, Tropride of Alloway, a thick, low-set, sappy youngster, was awarded the junior championship. Fraleigh had the winner in the senior calf class, going above six other entries in keen competition.

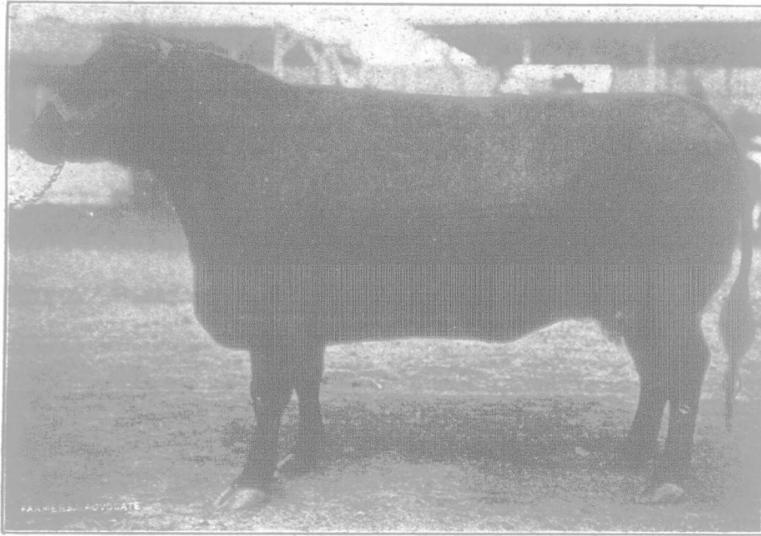
Eight aged cows were brought into the ring, with Erica of Glencairn, a straight, smooth cow of high quality, standing first. One noticeable fault in this cow is that her tail is not as well set on her body as breeders would like to see. Bowman's entries, while low-set, thick, useful cows, had scarcely the smoothness of the winner. Larkin had a sweet, two-year-old heifer in Pride of Larkin Farm. She possesses substance and quality, and went to the top of her class at the Western Fair. Next to her stood Fraleigh's Coquette McHenry, a deep, thick heifer, but in scarcely as high fit as the winner. Bowman's two-year-old winner at Toronto, a heifer which filled the eye fairly well, had to be content with third place. Middlebrook Pride 21st, a thick, sappy heifer, and a splendid handler, won the

senior yearling class for Lowe, with Larkin in second place.

Seven junior yearlings made keen competition in their class. Lowe went to the top with Middlebrook Beauty 7th, a heifer of good conformation but possibly a little more upstanding than some of the others. The junior championship went to the senior calf, Stumpie of Larkin Farm 4th, a heifer that is thick, low-set and well proportioned. She has a sweet head and is particularly smooth throughout. The herd and group classes were placed much the same as at Toronto. It is in these classes where the quality and uniformity of breeders' stock are seen to best advantage, and the placing of the awards was closely followed by the spectators at the ring-side.

Exhibitors.—J. D. Larkin, Queenston; Jno. Lowe, Elora; J. Bowman, Guelph; H. Fraleigh, Forest; Col. McEwen, London.

Awards.—Bull, aged (4 in class): 1 and 2, Bowman, on Young Leroy, and Beauty's Leroy; 3, Larkin, on Bravo's Prince of Larkin Farm; 4, Fraleigh, on Marshall of Woodcote. Bull, two years (2): 1, Larkin, on Benedictine Monk; 2, Lowe, on Equestrian Albert. Bull, senior yearling (3): 1, Lowe, on Middlebrook Monarch; 2 and 3, Bowman, on E. P. Buxom, and E. P. Bert. Bull, junior yearling (3): 1, McEwen, on Merry Lad; 2, Bowman, on Bondsman of Larkin Farm 2nd; 3, Larkin, on Regulus of Larkin Farm. Bull, senior calf (6): 1, Fraleigh, on Blackbird King Over; 2 and 3, Lowe, on Middlebrook Prince 11th, and Middlebrook Prince 10th; 4, Bowman, on E. P. Radiator. Bull, junior calf (5): 1 and 2, McEwen, on Tropride of Alloway, and Blackstone of Alloway; 3, Larkin, on Puritan of Larkin Farm 3rd; 4, Bowman, on E. P. Pedro 2nd. Cow, aged (8): 1 and 4, Larkin, on Erica of Glencairn, and Primrose of Larkin Farm; 2 and 3, Bowman, on E. P. Rosebud 20th, and E. P. Beauty 9th. Heifer, two years (5): 1, Larkin, on Pride of Larkin Farm 15th; 2, Fraleigh, on Coquette 20th; 3 and 4, Bowman, on E. P. Emmeline, and E. P. Rosebud 26th. Heifer, senior yearling (6): 1, Lowe, on Middlebrook Pride 21st; 2, Larkin, on Rosaline of Larkin Farm 4th; 3, Bowman,



Erica of Glencairn.

Senior and grand champion Angus female at Toronto and London for J. D. Larkin, Queenston, Ont.

on E. P. Idalia; 4, Fraleigh, on Silver Queen. Heifer, junior yearling (7): 1, Lowe, on Middlebrook Beauty 7th; 2, Bowman, on E. P. Rosebud 29th; 3, Larkin, on Pride of Larkin Farm 27th; 4, McEwen. Heifer, senior calf (9): 1, Larkin, on Stumpie of Larkin Farm 4th; 2 and 3, Bowman, on E. P. Pride 19th, and E. P. Rosebud 32nd; Fraleigh, on Meadowdale Kyma 3rd. Heifer, junior calf: 1, Lowe, on Meadowbrook Pride 23rd; 2 and 4, Fraleigh, on Isabella F. 8th, and Black Lassie F.; 3, Bowman, on E. P. Keepsake 21st. Senior and grand champion male: Bowman, on Young Leroy. Junior champion: McEwen, on Tropride of Alloway. Senior and grand champion female: Larkin, on Erica of Glencairn. Junior champion female: Larkin, on Stumpie of Larkin Farm 4th. Graded herd: 1, Larkin; 2 and 3, Bowman; 4, Lowe. Junior herd: 1, Bowman; 2, Lowe; 3, Fraleigh; 4, Larkin. Best four calves: 1, Bowman; 2, Fraleigh; 3, Larkin; 4, Lowe.

Herefords.—The personnel of the Hereford classes at the Western was similar to that which appeared at the Canadian National, and the awards were in much the same order. W. Readhead, of Milton, did not appear in London, but his place was taken by G. E. Reynolds, Elora, and O'Neil Bros., of Denfield, had a few more entries than they had at the Canadian National. The entries were brought out in good condition. There was evidence of a good deal of time having been taken in fitting for the show.

In the aged-bull class there were five entries and the contest for the red ribbon was between Clifford's Brae Real 6th and Reynolds' Brae Real 3rd. Both are deep, thick, low-set individuals of high quality. Brae Real 6th was possibly a little smoother and in higher fit than his competitor. He not only secured first in the class, but was made senior and grand champion. Lord Fairfax stepped up to third place, with Brae Real Senior in fourth place. There were three entries in the two-year-old class, with Beau Gaston 52nd, a bull of excellent

quality, in first place, and his stablemate, Beau Gaston 38th, in second place. Both these animals are of much the same type and build. O'Neil Bros.' entry was in scarcely as high fit as the other two. The senior-calf class was fairly strong. Donald Dinnie won it for O'Neil Bros., leaving Alvin Fairfax 2nd, the winner of the class at Toronto, in second place. The junior calves were eight in number. O'Neil Bros. again captured the red ribbon and also had placings lower down in the line. Their winning calf, Gray Donald was a smooth, sappy youngster, and gives promise of developing into a high-quality herd sire. Page had a good calf in second place, and Reynolds in third and fourth had strong, growthy calves, but which were scarcely in as high fit as the two placed above them.

Seven aged cows answered the call and made one of the strongest classes of the day. Miss Armour Fairfax, a particularly deep, thick cow, in high fit, stood first, but she had a fairly close competitor in Miss Brae Real 3rd, a cow with great substance and well proportioned. Lorna Fairfax, of much the same type as the former two, fitted in third place. Below these stood big, strong, useful cows which were somewhat rougher in conformation scarcely in as high fit as those that were placed ahead of them. Miss Brae 50th that stood second in her class at Toronto went down to fourth place. The senior and grand champion was found in the two-year-old class in Clifford's Perfection Lass 5th. This heifer is an outstanding animal of the breed, being particularly well-proportioned, smooth and typey. Blanche Fairfax captured the blue ribbon for Page. She is a thick, evenly-fleshed, well-developed heifer with a good deal of character. The yearling and calf classes were placed much the same as at Toronto. Lady Armour Fairfax, a junior calf, from the Oshawa herd won the junior championship. The calves were all growthy, sappy youngsters.

Exhibitors: L. O. Clifford, Oshawa; O'Neil Bros., Denfield; J. Page, Wallacetown; G. E. Reynolds, Elora; Chas. Fitzgerald, Denfield.

Awards.—Bull, aged: 1 and 3, Clifford, on Brae Real 6th and Lord Fairfax; 3, Reynolds, on Brae Real 3rd; 4, Page, on Brae Real Senior; 5, O'Neil Bros., on Donald Lad. Bull, two years: 1 and 2, Clifford, on Beau Gaston 52nd and Beau Gaston 38th; 3, O'Neil Bros. Bull, junior yearling: 1, Clifford, on Fairfax Perfection; 2, O'Neil Bros. Bull, senior calf: 1, O'Neil Bros., on Donald Dinnie; 2, Clifford, on Alvin, Fairfax 2nd; 3, Page, on Brae Real 13th; 4, Fitzgerald. Bull, junior calf: 1 and 5, O'Neil Bros., on Gray Donald and Prime Lad; 2, Page, on Darlos Junior; 3 and 4, Reynolds. Cow, aged: 1, Clifford, on Miss Armour Fairfax; 2, Reynolds, on Miss Brae Real 3rd; 3 and 4, Page, on Lorna Fairfax and Miss Brae 50th. Heifer, two years: 1 and 4, Clifford, on Perfection Lass 5th, and Florena Fairfax; 2, Page, on Blanche Fairfax; 3, Reynolds, on Miss Reliance 4th. Heifer, senior yearling: 1, Page, on Noraen Fairfax; 2, and 3, O'Neil Bros. Heifer, junior yearling: 1 and 3, Clifford, on Della and Lafluta Fairfax; 2, O'Neil Bros., on Donald's Dolly; 4, Page, on Miss Brae Real 16th; 5, Reynolds. Heifer, senior calf: 1, Clifford, on Miss Brae Real 18th; 2, Page, on Miss Brae Real 20th; 3 and 4, O'Neil Bros., on Maid of the Mist and Lady Ellen. Heifer, junior calf: 1, 2 and 4, Clifford, on Lady Armour Fairfax, Ruby Fairfax, and May Queen Fairfax; 3, Page, on Miss Brae Real 21st. Senior and grand champion male: Clifford, on Brae Real 6th. Junior champion male: Clifford, on Fairfax Perfection. Senior and grand champion female: Clifford, on Perfection Lass 5th. Junior champion female: Clifford, on Lady Armour Fairfax. Graded herd: 1, Clifford; 2, Page; 3, Reynolds; 4 and 5, O'Neil Bros. Junior herd: 1, Clifford; 2, Page; 3, O'Neil Bros.; 4, Reynolds. Three animals, get of sire: 1 and 2, Clifford; 3, Page. Two animals, progeny of cow: 1 and 3, Clifford; 2, O'Neil Bros. Best four calves: 1, Clifford; 2, Page; 3 and 5, O'Neil Bros.; 4, Reynolds.

Dairy Cattle.

Holsteins.—A very strong showing of Holsteins was made at the Western Fair this year, and if they could have occupied half the judging ring it would not have been one bit too much space to allow the Black and Whites. As it was six, breeds were in the ring at one time, and so congested was the small enclosure that a prominent Holstein exhibitor received a smart kick from a Hereford. This unfortunate occurrence suggests that the beef and dairy breeds be judged on different days.

Three aged bulls were forward with Bonerges Hartog and Prince Colantha Abbecker leading as they did at Toronto. The winner here, Bonerges Hartog, was again made senior and grand champion. In the two-year-old class five candidates made strong competition, while six yearlings (senior and junior together) were no easier to judge. Seven senior calves lined up, and while there was no outstanding animal in the bunch they were a good uniform lot. Sir Francy Netherland Abbecker was prominent among nine junior calves, where he won by a good distance; he also was awarded the junior championship as at Toronto.

Some splendid cow classes were forward, and in these a few changes from the Toronto awards were made. In the aged class there were nine candidates for ribbons, but the red went to B. Holtby's Lizzie Faforit De Kol 2nd, a large cow of remarkable capacity and good conformation. She was not so showy about the head as some of her competitors, yet she had all the identifications of a hard worker. Pauline Colantha Posch won second for Hulet; she, too, was a big smooth cow with splendid conformation for production. Rettie won the three-year-old class with Belle Abbecker

Dewdrop, but his winning two-year-old, in a class of eight was made senior and grand champion female. The latter was a very typey cow, both from a dairy and Holstein point of view. The dry cow class, including eleven candidates, was one of the best shown. Fairview Posch was placed first here and followed by Marguerite Brook De Kol, a smaller individual but good in form. Fairview Posch is a very large cow, smooth and well balanced. When she freshens she will surely win a high standing in exceptionally strong competition. The dry heifer class was composed of eleven entries, and the senior yearlings of an even dozen. The junior yearlings numbered fourteen, while the senior calves were similarly strong. In this latter class a shaking up occurred, and Haley's first-prize Toronto calf went down to sixth place and Hulet's third and fourth prize winners at the Canadian National were reversed and moved up to first and second. The junior champion female on this occasion was Lady Veeman Abbecker 3rd, chosen to win in a class of twelve good junior calves.

The Holstein awards were made by G. A. Brethen, Norwich, Ont.

Exhibitors.—M. H. Haley, Springfield; W. C. Prouse, Tillsonburg; McCarthy & Hogg, Thamesford; Fred. Row, Curries; A. E. Hulet, Norwich; Jas. Rettie, Norwich; Ben. Holtby, Ganworth; Herb. Holtby, Ganworth; Hilliker Bros., Burgessville; Thos. Chant, Burgessville; E. E. Hamner, Norwich; John McMillan, Ganworth; E. Snyder, Burgessville; J. D. Holtby, Ganworth.

Awards.—Aged bull: 1, Haley, on Bonerges Hartog; 2, Prouse, on Prince Colantha Abbecker; 3, McCarthy & Hogg. Bull, two years: 1 and 2, Hulet, on Annette's Prince Abbecker and Major Sylvia's Colantha; 3, Row, on King De Kol Ormsby; 4, Rettie, on Pontiac Atlas Colantha; 5, B. Holtby, on Hillcrest Count Echo. Bull, yearling: 1, Haley, on King Fayne Alcartra; 2 and 3, Hulet, on Count Paul Segis Posch, and Lady Pauline's Sir Sylvia; 4, Chant, on Paul Pontiac Calamity 5, Hanmer, on Pontiac Franci Paul. Bull, senior calf: 1, and 2, Haley, on Pontiac Korndyke Sylvia and Sir Valdessa Banks; 3, McMillan; 4, Rettie, on Pontiac Colantha Franci; 5, Hilliker Bros., on Lowlands Count Korndyke. Bull, junior calf: 1, Snyder, on Sir Franci Netherland Abbecker; 2, Hilliker Bros., on Captain Snow Mechthilde; 3, Haley, on Valdessa Butter Boy; 4, Hulet, on Ladoga's Prince Abbecker; 5, B. Holtby, on Veeman Count Echo. Cow, four years old and over, in milk: 1, H. Holtby, on Lizzie Favorit De Kol 2nd; 2, Hulet, on Pauline Colantha Posch; 3, Haley, on Aaggie Toitilla; 4, Rettie, on Lucy Gray; 5 and 6, Snyder, on Catherine Pietertje Netherland and Maud De Kol Abbecker. Cow, three years old, in milk: 1, Rettie, on Belle Abbecker Dewdrop; 2, Hulet; 3, Hilliker Bros., on Rhoda Canary 2nd; 4 and 5, Prouse, on V. O. Oakhurst Beauty and V. A. Inka Sylvia; 6, Haley, on Vida Princess Veeman. Cow, three years old and up, dry: 1, Hulet, on Fairview Posch; 2, Prouse, on Marguerite Brook De Kol; 3, Snyder, on Lily Mercena 10th; 4, Haley, on Colantha Abbecker Rose; 5, Row, on Daisy Fairmont Posch. Heifer, two years, in milk: 1, Rettie, on Franci Maid 2nd; 2, Row, on Princess Colantha Creamelle; 3, Prouse, on Roxie Valdessa Posch; 4, Haley, on Shadelawn Mercedes Queen; 5, Snyder, on Rose Mercena Abbecker. Heifer, two years, dry: 1, Snyder, on Maple Grove Rose; 2, Rettie, on Houitje De Kol; 3 and 4, Hulet, on Iantha Bell Posch, and Daisy Vale Posch; 5, Haley, on Esther Pietertje; 6, Hilliker Bros. Heifer, senior yearling: 1, Hanmer, on Belle Abbecker 2nd; 2 and 3, Row, on Daisy Mercena Canary and Countess Mercena Chase; 4, Haley, on Colantha Fayne Butter Girl; 5, Hulet, on Valentine Abbecker; 6, Rettie, on Ianthe Korndyke Jewel. Heifer, junior yearling: 1, Haley, on Aaggie Butter Baroness; 2, Hulet, on Ladoga Idaline Mercena; 3, Rettie, on Pauline Mercena Colantha; 4 and 5, Snyder, on Abbecker Korndyke Mercena and Maud Colantha Abbecker; 6, J. D. Holtby. Heifer, senior calf: 1 and 2, Hulet, on Pauline Colantha Canary 2nd, and Lassie Echo Abbecker; 3, Snyder, on Maple Grove Queen Lyon 4th; 4, Row, on Miss Veeman; 5, Prouse, on Alfalfadale Queen Valdessa; 6, Haley, on Vida Ormsby Fayne. Heifer, junior calf: 1, Hulet, on Lady Veeman Abbecker 3rd; 2, 4 and 6, Haley, on Valdessa Fayne Dewdrop, Rose Funderne Ormsby and Nellie Fayne Pontiac; 3, Rettie, on Maggie Clothilde Ormsby 2nd; 5, B. Holtby, on Pearl Echo Countess. Senior and grand champion bull: Haley, on Bonerges Hartog. Junior champion bull: Snyder, on Sir Franci Netherland Abbecker. Senior and grand champion female: Rettie, on Franci Maid 2nd. Junior champion female: Hulet, on Lady Veeman Abbecker 3rd. Graded herd: 1 and 6, Hulet; 2, Haley; 3, Rettie; 4, Row; 5, Prouse. Four animals get of one sire: 1 and 3, Hulet; 2, Haley. Two animals, progeny of dam: 1, Row; 2, Haley; 3 and 4, Hulet. Junior herd: 1, Haley; 2, Hulet; 3, Rettie.

Ayrshires.—A good showing of Ayrshires was made at the Western Fair this year, but the reputation the breed made on this occasion must be credited more to the females than to the males, for the bull classes were comparatively light. Hillside Peter Pan won the aged class from Beaver Meadow Guarantee 2nd, but Humeshaugh Invincible Peter, the only two-year-old to appear, later wrested the senior championship from the aged winner and was given the grand championship for males. This is the second time the grand champion ribbon at London has gone to Humeshaugh Invincible Peter, for he was similarly successful last year. He is developing into a bull of good conformation and quality, and apparently last year's decision was no mistake. Burnside Rising S. Master was the only senior yearling to appear, and in junior yearlings, there was even one less than that. Sir Hugh of Springbank was easily

the best of three senior calves. Armour's entry here, Ideal Scottish Thistle, had good size but not so much quality and was a trifle heavy in the shoulder. Humeshaugh Special Spice was too thin to show well and was given third place. The junior champion was found in the young calf class, where Turner's Robinhood of Springbank was an easy winner. Springbank Lochinvar came in second, but it is just a question but that Humeshaugh Peter the Great, in third, which was rather thin and small, will make a better bull.

A show-ring surprise was experienced in the aged-cow class, where Armour led out Maggie of Darroch, a big, strong, commercial-looking cow of much the same breeding as Jean Armour, that queen of the Ayrshires, now dead. In many parts Maggie of Darroch resembled Jean Armour, especially in style, color markings and great strength of heart and middle. Her udder conformation was not typically Ayrshire, yet of good quality. She was made the senior and grand champion female. Turner's came second here with Briery of Springbank 3rd, and Hume third with Humeshaugh Kate, both individuals with show-ring reputations.

In three-year-old cows Humeshaugh Perfect Lady was followed by Springbank Jeanette, and then by a stablemate, Humeshaugh Ena 2nd. In the dry-cow class Turner won with Springbank Daisy Star, a nicely-marked cow and of good type. If fresh she would have made a strong candidate for championship. Some good heifer classes were out, but the junior champion was located in the senior calf class where Hume & Co. won with Humeshaugh Kate 3rd.

The Ayrshire awards were made by John McKee, Norwich.

Exhibitors.—A. S. Turner & Son, Ryckman's Corners; Alex. Hume & Co., Campbellford; Angus Armour, Dorchester.

Awards.—Aged Bull: 1, Hume & Co., on Hillside Peter Pan; 2, Armour, on Beaver Meadow Guarantee 2nd. Bull, two years: 1, Turner & Son, on Humeshaugh Invincible Peter. Bull, senior yearling: 1, Hume & Co., on Burnside Rising S. Master. Bull, senior calf: 1, Turner & Son, on Sir Hugh of Springbank; 2, Armour, on Ideal Scottish Thistle; 3, Hume & Co., on Humeshaugh Special Spice. Bull, junior calf: 1 and 2, Turner & Son, on Robinhood of Springbank and Springbank Lochinvar; 3, Hume & Co., on Humeshaugh Peter the Great. Cow, four years and over, 1, Armour, on Maggie of Darroch; 2 and 4, Turner & Son, on Briery of Springbank 3rd and White Lady of Springbank; 3, Hume & Co., on Humeshaugh Kate; Cow, three years: 1 and 3, Hume & Co., on Humeshaugh Perfect Lady and Humeshaugh Ena 2nd; 2, Turner & Son, on Springbank Jeanette; 4, Armour, on Pollyana Darroch. Cow, three years and over, dry, and in calf: 1, Turner & Son, on Springbank Daisy Star; 2 and 3, Hume & Co., on Humeshaugh Cauty and Humeshaugh Nan; 4, Armour, on Anna of Darroch. Heifer, two-years, in milk: 1 and 3, Hume & Co., on Humeshaugh Flossie and Humeshaugh Helen 3rd; 2, Armour, on Milkmaid 4th. Heifer, senior yearling: 1, 2 and 4, Turner & Son, on Dainty Lass of Springbank, Miss Floss of Springbank and Scotland Princess of Springbank; 3, Hume & Co., on Burnside Nellie Burns 2nd. Heifer, junior yearling: 1, Turner & Son, on Springbank Betsy Brown; 2 and 3, Hume & Co., on Humeshaugh Helen 4th and Humeshaugh Nan 3rd; 4, Armour, on Craiginbrae Lady White. Heifer, senior calf: 1, Hume & Co., on Humeshaugh Kate 3rd; 2, 3 and 4, Turner & Son, on Lady Ayr of Springbank, Springbank Lady Jane and Annie Laurie of Springbank. Heifer, junior calf: 1, Turner & Son; 2 and 3, Hume & Co.; 4, Armour. Senior and grand champion bull: Turner & Son, on Humeshaugh Invincible Peter. Junior champion bull: Turner & Son, on Robinhood of Springbank. Senior and grand champion female: Armour, on Maggie of Darroch. Junior champion female: Hume & Co., on Humeshaugh Kate 3rd. Graded herd: 1, Turner & Son; 2, Hume & Co.; 3, Armour. Three animals, get of one sire: 1 and 3, Turner & Son, on get of King Theodore; 2, Hume & Co., on get of Auchenbrae Hercules. Two animals, progeny of one cow: 1, Turner & Son; 2, Armour; 3, Hume & Co. Junior herd: 1 and 3, Turner & Son; 2, Hume & Co.

Jerseys.—Since London has become the centre of a district in which there are several strong Jersey herds, the Western Fair has had a good display of this breed annually. A. T. Little, B. H. Bull & Son, and Thomas O'Brien were the chief exhibitors on this occasion, but a few entries from smaller herds near-by were found in a few classes.

Bonnie's Perfection was alone in the aged-bull class, but he was adjudged good enough for the senior and grand championship. There was considerable competition in the two-year-old class, where the red ribbon went to Brampton Beauty Heir, a bull of good conformation. Little's entry, which won second place, Brampton Raleigh Prince, was far behind the winner in qualifications, but his entry in fourth place showed a trifle too much thickness in the wrong parts to stand high. Maple Lea Hero, which won third, would have showed better with more fitting. Only three senior yearlings came forward, and onlookers would have at once chosen Hazelden Noble Eminent as their favorite. He was beaten, however, by two other bulls on account of not standing just right behind. The decision was a proper one, yet to the onlookers it might have appeared incorrect, for he was the best-topped bull in the bunch. Brampton Donald, which won first place, was a fairly strong bull but not outstanding for bloom or quality. Three junior yearlings were forward in the class for same, but in senior calves there were six out. The winner of the latter line-up, Hazelden Aviator, was a very typy and stylish bull and was later awarded the junior champ-

ionship. Another leet of four junior calves completed the bull classes.

The top of the aged-cow class was much the same as at Toronto. Here, Bull won with Cowslip's Duchess of St. Peters, while Little followed with Brampton B. P. Aleonora, which was third at the Canadian National. The winning cow in this class was possessed of good Jersey character and indications of being a worker. The cow in second place was also typy and full of quality, but perhaps not quite so good in udder and length of quarters as the animal which beat her.

In the aged-dry class, Beauty Maid again went to the top. She is a big, strong cow, but in the show-ring could profit with a little more Jersey type about the head. However, she is a hard one to turn down on account of her great strength and evidences of being a hard worker. These indications have been substantiated, for last year in the R. O. P. she was the champion cow of Canada over all ages and breeds; more than that, she stands second to Sunbeam of Edgeley as the champion butter cow of Canada over all ages and breeds up to the present. Little came in second and third in this class with Brampton Autotone and Brampton Bright Duchess.

Brampton Ina Oxford which won the championship at Toronto was not showing well in the three-year-old class and was beaten by her stablemate, Golden Fern's Amelia.

The senior and grand champion female on this occasion was found in a line-up of eight two-year-old heifers in milk, where Brampton Sonata was placed first. Her stablemate, Brampton Bright Rosa, came second, while O'Brien followed with two good heifers, Maple Lea May and Maple Lea Wolsey.

Two nice heifers were found at the top of the two-years dry class, where Brampton Golden Lass won on quality and character, besides her promise for production. Maple Lea Edith, coming in second, was not far behind her in this regard.

In senior yearling heifers, Brampton Fern Dot was showing remarkable udder development for an animal of her age, yet Gipsy Maid, the Toronto junior champion, was such a sweet thing that she could not be turned down on any account. The latter was placed first and was later made junior champion.

The Jersey awards were made by W. W. Ballantyne, Stratford.

Exhibitors.—A. T. Little, London; B. H. Bull & Son, Brampton; Thos. O'Brien, London; Mrs. Jos. Lawrence, London; F. E. Wray, London.

Awards.—Aged Bull: 1, Bull, on Bonnie's Perfection; Bull, two years: 1, Bull, on Brampton Beauty Heir; 2 and 4, Little, on Brampton Raleigh Prince and Woodview Bright Prince; 3, O'Brien, on Maple Lea Hero. Bull, senior yearling: 1, O'Brien, on Brampton Donald; 2, Bull, on Brampton B. P. Sultan; 3, Little, on Hazelden Noble Eminent. Bull, junior yearling: 1, O'Brien, on Maple Lea Leada's Noble; 2 and 3, Bull, on Brampton Bright Sultan and Brampton Volunteer. Bull, senior calf: 1, Little, on Hazelden Aviator; 2 and 4, Bull, on Brampton Viola's Sultan and Brampton Nelson; 3, O'Brien, on Maple Lea Verdun. Bull, junior calf: 1, Bull; 2 and 3, O'Brien; 4, Wray. Cow, four years and over, in milk: 1, and 4, Bull, on Cowslip's Duchess of St. Peters and Brampton Maiden Over; 2 and 3, Little, on Brampton B. P. Aleonora and Brampton Bright Annie. Cow, four years and over, dry and in calf: 1 and 4, Bull, on Beauty Maid and Brampton Maitland B; 2 and 3, Little, on Brampton Autotone and Brampton Bright Duchess. Cow, three years, milking: 1, 2 and 3: Bull, on Golden Fern's Amelia and Brampton Oxford Ina. Cow, three years, dry: 1 and 2, Little, on Brampton Silver Beach and Brampton Dainty Oxford 2nd. Heifer, two years, in milk: 1 and 2, Bull, on Brampton Sonata and Brampton Bright Rosa; 3 and 4, O'Brien, on Maple Lea May and Maple Lea Wolsey. Heifer, two years, dry: 1, Little, on Brampton Golden Lass; 2, O'Brien, on Maple Lea Edith; 3 and 4, Bull, on Brampton Stockwell Pat and Brampton Mary Cora. Heifer, senior yearling: 1 and 3, Little, on Gipsy Maid and Hazelden Miss Corydon; 2, Bull, on Brampton Fern Dot; 4, O'Brien, on Maple Lea Buttercup. Heifer, junior yearling: 1, Bull, on Brampton Bright Agatha; 2 and 4, O'Brien, on Maple Lea Gladys and Maple Lea Sue; 3, Mrs. Lawrence, on Bonnie's Thelma. Heifer, senior calf: 1, 2 and 4, Little, on Hazelden Auto Maid, Hazelden Girl and Hazelden Aleonora R; 3, Bull, on Brampton Eunice. Heifer, junior calf: 1 and 2, Bull, on Brampton Eileen M. and Brampton Lady Putney; 3 and 4, O'Brien, on Maple Lea Lady and Maple Lea L. Senior and grand champion male: Bull, on Bonnie's Perfection. Junior champion male: Little, on Hazelden Aviator. Senior and grand champion female: Bull, on Brampton Sonata. Junior champion female: Little, on Brampton Gipsy Maid. Graded Herd: 1 and 3, Bull; 2, Little. Junior Herd: 1, Little, 2, Bull; 3, O'Brien. Three, get of sire: 1 and 4, Little, 2, O'Brien; 3, Bull. Progeny of dam: 1 and 2, Little; 3, O'Brien. Bull under 18 months and 3 heifer calves under 1 year: 1, Little; 2, Bull; 3, O'Brien.

Sheep.

The sheep pens were well filled and the quality of the entries were on a par with past years. Some breeds were superior to last year, others were scarcely up to the mark. The price of wool and mutton has increased the demand for sheep, and as a result many breeders have pretty well disposed of their surplus breeding stock. Although the extremely hot weather early in August made fitting a rather difficult problem, the majority of the entries were in particularly good form. Of course, there are always a few entries at every exhibition that are outclassed by other individuals.

Oxford Downs.—The classes of Oxford Downs were

ing of Holsteins year, and if they find it would not allow the Black are in the ring at all enclosure that ed a smart kick urrence suggests dged on different

Bonerges Hartog g as they did at hartog, was again the two-year-old etition, while six were no easier to and while there ch they were a erland Abbecker es, where he won arded the junior

forward, and in nto awards were nine candidates Holtby's Lizzie arkable capacity so showy about yet she had all Pauline Colantha was a big smooth uction. Rettie Belle Abbecker

filled from the flocks of Peter Arkell & Sons, Teeswater, and Karl Broadfoot, of Allenford. The entries were in good form. Arkell secured the lion's share of the awards.

Judge, A. McEwen, Brantford.

Awards.—Ram, two shears and over: Arkell. Ram, shearing: 1, 2 and 3, Arkell; 4, Broadfoot. Ram lamb: 1 and 2, Arkell; 3 and 4, Broadfoot. Ewe, two shears and over: Arkell. Ewe, shearing: Arkell. Ewe lamb: 1, 2 and 3, Arkell; 4, Broadfoot. Pen of five shearlings: Arkell. Graded flock: Arkell. Canadian-bred pen: Arkell. Champion ram and ewe: Arkell.

Southdowns.—The flock of Robt. McEwen, of London, and that of B. Robinson, Wheatley, contested for first honors in the various classes. P. Arkell & Sons had an entry in the aged-ram class and carried off the red ribbon. The classes were well filled with individuals of the best type and in splendid fit. McEwen had both the champion ram and ewe.

Judge, A. McEwen, Brantford.

Awards.—Ram, aged: 1 and 3, McEwen; 2 and 4, Robinson. Ram, shearing: 1, 2 and 3, McEwen; 4, Robinson. Ram lamb: 1, 2 and 3, McEwen; 4, Robinson. Ewe, aged: 1, Arkell; 2, 3 and 4, McEwen. Ewe, shearing: 1, 2 and 3, McEwen; 4, Robinson. Ewe lamb: 1 and 2, McEwen; 3 and 4, Robinson. Pen, shearlings: 1, McEwen; 2, Robinson. Pen, lambs: 1, McEwen; 2, Robinson. Graded pen: 1, McEwen; 2, Robinson. Pen, Canadian-bred: 1, McEwen; 2, Robinson. Champion ram and ewe: McEwen.

Hampshires.—Entries from four flocks made competition particularly keen in the Hampshire classes. Kelly & Son annexed the bulk of the top places and also both championships. The entries were in high fit and well covered.

Judge, W. H. Beattie, Wilton Grove.

Exhibitors.—A. S. Wilson, Norval; Telfer Bros., Paris; Arkell & Sons, Teeswater; Kelly & Son, Shakespeare.

Awards.—Ram, aged: 1, Telfer Bros.; 2, Wilson; 3, Arkell. Ram, shearing: 1 and 2, Kelly; 3 and 4, Telfer Bros. Ram lamb: 1, 2 and 3, Kelly & Son; 4, Wilson. Ewe, aged: 1, Kelly; 2 and 3, Wilson; 4, Telfer. Ewe, shearing: 1, 2 and 3, Kelly; 4, Telfer. Ewe lamb: 1, 2 and 3, Kelly; 4, Telfer. Pen, shearlings: 1, Kelly; 2, Telfer. Pen, lambs: 1 and 2, Kelly. Pen, graded: 1, Kelly; 2, Wilson. Pen, Canadian-bred: 1, Kelly; 2, Telfer. Champion ram and ewe: Kelly.

Lincolns.—C. Stobbs, of Leamington, had the only entries in Lincolns, and was awarded the various prizes. His stock was not in as high fit as representatives of other breeds.

Suffolks.—There was a light showing of Suffolks, but choice representatives of the breed were brought out by J. Bowman, of Guelph.

Shropshires.—There was a good showing of Shropshires, as many as eight entries appearing in some classes, which made competition keen. Entries from the flocks of W. H. Beattie, Wilton Grove; J. R. Kelsey, Woodville, Telfer Bros., Paris; and W. E. Wright & Son, Glanworth, appeared in the ring.

Judge, A. McEwen, Brantford.

Awards.—Ram, aged: 1 and 3, Beattie; 2 and 4, Kelsey. Ram, shearing: 1, 2, 3 and 4, Kelsey. Ram lamb: 1, Kelsey; 2, 3 and 4, Beattie. Ewe, aged: 1 and 4, Kelsey; 2 and 3, Beattie. Ewe, shearing: 1, 2, 3 and 4, Kelsey. Ewe lamb: 1 and 3, Beattie; 2 and 4, Kelsey. Pen, shearlings: 1, Kelsey; 2, Beattie. Pen, lambs: 1, Kelsey; 2, Beattie. Pen, graded: 1, Kelsey; 2, Beattie. Pen, Canadian-bred: 1, Kelsey; 2, Beattie. Champion ram and ewe: Kelsey.

Dorset Horned.—The classes of Dorset Horned at the Western was the strongest that have been seen for some time. Both young and old stock were brought out in good form. The honors were fairly evenly distributed among the four exhibitors.

Judge, W. H. Beattie, Wilton Grove.

Exhibitors.—W. E. Wright & Son, Glanworth; Cecil Stobbs, Leamington; J. F. Robertson, Hornby; W. B. Stafford & Son, Shedden.

Awards.—Ram, aged: 1, Robertson; 2, Wright; 3 and 4, Stobbs. Ram, shearing: 1, Wright; 2, Robertson; 3 and 4, Stobbs. Ram lamb: 1, Stobbs; 2, Robertson; 3, Wright; 4, Stafford. Ewe, aged: 1 and 4, Stobbs; 2 and 3, Robertson. Ewe, shearing: 1, Wright; 2 and 4, Robertson; 3, Stobbs. Ewe lamb: 1, Stobbs; 2, Stafford; 3 and 4, Robertson. Pen, shearlings: 1, Wright; 2, Stobbs. Pen, lambs: 1, Stobbs; 2, Robertson. Pen, graded: 1, Wright; 2, Robertson. Pen, Canadian-bred: 1, Stobbs; 2, Robertson. Champion ram: Stobbs. Best ewe: Wright. Champion ewe, owned and bred by exhibitor: Stobbs.

Leicesters.—The exhibit of Leicesters was somewhat above the average, both in numbers and quality, Whitelaw Bros. carried off the honors in the older classes, but Kelly & Son had a large entry in both lamb classes, which secured the first two placings. They not only had good form but were particularly well fitted.

Judge, D. Campbell, Appin.

Exhibitors.—A. & W. Whitelaw, Guelph; J. Snell, Clinton; Kelly & Son, Shakespeare.

Awards.—Ram, aged: 1 and 2, Whitelaw; 3, Snell. Ram, shearing: 1 and 4, Kelly; 2 and 3, Whitelaw. Ram lamb: 1, 2 and 3, Kelly; 4, Whitelaw. Ewe, aged: 1, 2 and 3, Whitelaw; 4, Snell. Ewe, shearing: 1 and 4, Whitelaw; 2, Kelly; 3, Snell. Ewe, lamb: 1, 2 and 4, Kelly; 3, Snell. Pen, shearlings: 1, Whitelaw; 2, Kelly. Pen, lambs: 1, Kelly; 2, Snell. Pen, graded: 1, Whitelaw; 2, Snell. Pen, Canadian-bred: 1, Kelly; 2, Whitelaw. Best ram and ewe: Whitelaw. Champion ram and ewe, owned and bred by exhibitor: Kelly. Champion ewe, owned and bred by exhibitor: Whitelaw.

Swine.—The contest in Cotswolds was between the flocks of 1, Shore, of Glanworth, and N.

Park, Norwich. Both brought out high-quality individuals in show form.

Judge, D. Campbell, Appin.

Awards.—Ram, aged: 1 and 4, Park; 2 and 3, Shore. Ram, shearing: 1 and 4, Shore; 2 and 3, Park. Ram lamb: 1 and 3, Park; 2 and 4, Shore. Ewe, aged: 1 and 4, Shore; 2 and 3, Park. Ewe, shearing: 1 and 4, Shore; 2 and 3, Park. Ewe lamb: 1, Shore; 2, 3 and 4, Park. Pen, shearlings: 1, Shore; 2, Park. Pen, lambs: 1, Park; 2, Shore. Pen, graded: 1, Park; 2, Shore. Pen, Canadian-bred: 1, Shore; 2, Park. Best ram: Park. Best ewe: Shore. Pen of four lambs, get of one ram: 1, Park; 2, Shore.

Fat Sheep.—A number of wethers ready for the block were brought before the judge.

Judges, D. A. Campbell, A. McEwen and W. H. Beattie.

Awards.—Wether, long-wooled, one year and over: 1, Whitelaw; 2, Kelly. Wether, under one year, long-wooled: 1, Shore; 2, Whitelaw. Wether, medium-wooled, over one year: 1, Arkell; 2 and 4, Kelsey; 3, Wright. Wether, medium-wooled, under one year: 1, Robertson; 2 and 3, Kelsey. Champion long-wooled wether: Whitelaw. Champion medium-wooled wether: Arkell.

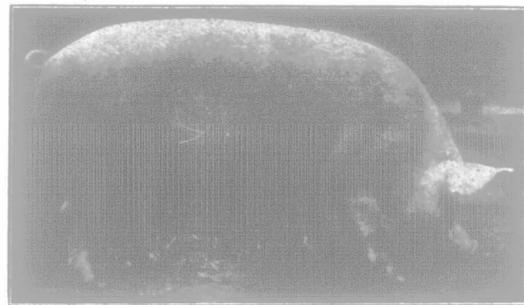
Fleeco Wool.—There were classes for fine-medium, medium and coarse wool.

Awards.—Domestic, fine medium: 1 and 4, H. Arkell, Toronto; 2, Telfer; 3, Kelsey. Medium: 1, Beattie; 2, Arkell; 3, Telfer; 4, Kelsey. Coarse: 1 and 2, Whitelaw; 3 and 4, Park.

Swine.

The space allotted to the porcine members of the livestock fraternity was filled to its capacity with individuals of somewhat higher quality than came out in past years. Many of the entries were fresh from their winnings at the Canadian National, and in some classes the competition was the same. In others, however, the entry of new herds changed the placing to some extent. Porkers occupy a higher position in the minds of many folk than they heretofore did, consequently the number of visitors to the hog pen was greater than usual. Exhibitors report many enquiries for breeding stock.

Berkshires.—The entries in the Berkshire classes were of a high order. Breed type and quality were well combined. Adam Thomson, of Stratford, and F. Stevenson, London Jct., were the competitors. Awards were made by Geo. Dewar, Wyoming.



A Champion Yorkshire.

Champion Yorkshire sow at Toronto and London for J. Duck, Pt. Credit.

Awards.—Boar, aged: 1 and 2, Thompson. Boar, one year: 1 and 2, Thomson; 3, Stevenson. Boar, six months: 1 and 2, Thomson. Boar under six months: 1 and 3, Thompson; 2, Stevenson. Sow, two years: 1 and 2, Thomson; 3, Stevenson. Sow, one year: 1, 2 and 3, Thomson. Sow, six months: 1, 2 and 3, Thomson. Sow under six months: 1, 2 and 3, Thomson. Pen, four pigs under 6 months: 1, 2 and 3, Thomson. Pen 4 pigs offspring of one sow: 1, 2 and 3, Thomson. Boar and three sows over one year: 1 and 2, Thomson. Boar and three sows under one year: 1, 2 and 3, Thomson. Best boar, any age: Thomson. Best sow, any age: Thomson.

Yorkshires.—Henry Capes, of Wyoming, and J. Duck, of Pt. Credit, were the only exhibitors of Yorkshires. Most of the entries were in show form and had splendid bacon type. The awards were placed by W. Jones, Mt. Elgin.

Awards.—Boar, aged: 1 and 2, Duck; 3, Capes. Boar, one year: 1, 2 and 3, Duck. Boar, six months: 1, 2 and 3, Duck. Boar under six months: 1, Duck; 2 and 3, Capes. Sow, two years: 1, 2 and 3, Duck. Sow, one year: 1, 2 and 3, Duck. Sow, six months: 1, 2 and 3, Duck. Sow, under six months: 1, 2 and 3, Duck. Four pigs get of one boar: 1 and 2, Duck; 3, Capes. Four pigs offspring of one sow: 1 and 2, Duck; 3, Capes. Boar and three sows: 1, 2 and 3, Duck. Boar and three sows under one year: 1, 2 and 3, Duck. Best boar and sow: Duck.

Tamworths.—The entries of D. Douglas & Son, Mitchell, carried off most of the honors in the Tamworth classes. J. W. Todd, Cornith, had several worthy entries. The awards were made by W. Jones, Mt. Elgin.

Awards.—Boar, aged: 1 and 3, Douglas; 2, Todd. Boar, one year: 1 and 2, Douglas; 3, Todd. Boar, six months: 1 and 2, Douglas; 3, Todd. Boar, under six months: 1 and 2, Todd; 3, Douglas. Sow, aged: 1 and 2, Douglas; 3, Todd. Sow, one year: 1, 2 and 3, Douglas. Sow, six months: 1, 2 and 3, Douglas. Sow, under six months: 1, 2 and 3, Douglas. Four pigs get of one boar: 1, Douglas; 2, Todd. Four pigs offspring of one sow:

1 and 2, Douglas. Boar and three sows: 1, 2 and 3, Douglas. Boar and three sows under one year: 1, 2 and 3, Douglas. Best boar and best sow: Douglas.

Chester Whites.—The bulk of the awards in the various Chester White classes were secured by W. E. Wright & Son, of Glanworth. Henry Capes, of Wyoming, and W. Collins, St. Thomas, had entries in several classes. Wright's entries were typey and in good fit. H. German, St. George, was the judge.

Awards.—Boar, aged: 1 and 3, Wright; 2, Collins. Boar, one year: 1, Wright. Boar, six months: 1 and 2, Wright. Boar under six months: 1 and 2, Wright; 3, Capes. Sow, aged: 1 and 3, Wright; 2, Capes. Sow, one year: 1, 2 and 3, Wright. Sow, six months: 1 and 2, Wright; 3, Collins. Sow, under six months: 1 and 2, Wright; 3, Capes. Four pigs get of one boar: 1 and 3, Wright; 2, Capes. Four pigs, offspring of one sow: 1, Wright; 2, Capes. Boar and three sows: 1 and 2, Wright. Boar and three sows under one year: 1 and 2, Wright; 3, Capes. Best boar and sow: Wright.

Hampshires.—Byron Robinson, of Wheatley, had the only entries in the Hampshire classes. He brought out very good representatives of the breed.

Poland Chinas.—The prizes in the Poland China classes were divided between Malott & Stobbs, of Leamington, and G. G. Gould, of Essex. The former exhibitor secured both championships.

Judge—H. German, St. George, Ont.

Awards.—Boar, aged: 1, Gould; 2, Malott & Stobbs. Boar, one year: 1, Gould; 2, Malott & Stobbs. Boar, six months: 1 and 3, Gould; 2, Malott & Stobbs. Boar, under six months: 1 and 3, Malott & Stobbs; 2, Gould. Sow, aged: 1 and 2, Malott & Stobbs; 3, Gould. Sow, one year: 1 and 3, Malott & Stobbs; 2, Gould. Sow, six months: 1, Gould; 2 and 3, Stobbs. Sow, under six months: 1, 2 and 3, Malott & Stobbs. Four pigs, get of one boar: 1, Malott & Stobbs; 2 and 3, Gould. Four pigs, offspring of one sow: 1, Malott & Stobbs. Boar and three sows: 1, Malott & Stobbs; 2, Gould. Boar and three sows, under one year: 1, Malott & Stobbs; 2, Gould. Best boar and sow, any age: Malott & Stobbs.

Duroc Jerseys.—The Duroc Jersey is a comparatively new breed in Canada, but visitors had the opportunity of seeing good specimens of the breed in the entries of C. Malott, Wheatley, and C. Stobbs, Leamington.

Judge, H. German, St. George.

Awards.—Boar, aged: 1, Malott. Boar, one year: 1, Malott. Boar, six months: 1, Malott; 2, Stobbs. Sow, two years: 1, and 2, Malott. Sow, one year: 1 and 2, Malott. Sow, six months: 1, Malott. Sow, under six months: 1 and 2, Malott; 3, Stobbs. Four pigs, get of one boar: 1, Malott; 2, Stobbs. Four pigs, offspring of one sow: 1, Malott. Boar and three sows under one year: 1, Malott; 2, Stobbs. Malott had the champion boar and sow.

Dairy Products.

Cheese Awards.—June colored: 1, C. J. Donnelly, Lambeth, (won on flavor), 96.33; 2, W. T. Oliver, Atwood, 96.33; 3, B. F. Howes, West Monkton, 96.11; 4, P. Lawless, Petrolia, 95.83; 5 and 6, E. L. Abbott, Dorchester, (tie), 95.66; 5 and 6, H. J. Neeb, Tavistock, (tie), 95.66; 7, O. R. Francis, Cassel, 95.57. June white: 1, B. F. Howes, 97; 2, W. T. Oliver, 96.91; 3, Martin Calder, Stratford, 96.57; 4, C. J. Donnelly, 96.36; 5, Robt. Gale, Milbank, 95.57; 6, H. J. Neeb, 95.49; 7, Leo Wallis, Mapleton, 95.31. July colored: 1, B. F. Howes, 97.95; 2, A. Gray, Atwood, 95.99; 3, H. J. Neeb, 95.73; 4, W. T. Oliver, 95.58; 5, F. C. Eastman, Arkona, 95.32; 6, C. J. Donnelly, 94.99; 7, Martin Calder, 94.90. July, white: 1, B. F. Howes, 97.41; 2, W. T. Oliver, Atwood, 96.84; 3, C. J. Donnelly, 96.52; 4, H. W. Seehaver, Listowel, 96.14; 5, Robt. Gale, 95.71; 6, Frank Ebert, Britton, 95.07; 7, Martin Calder, 95.41. August, colored: 1, W. T. Oliver, 97.36; 2, H. J. Neeb, 96.75; 3, A. Gray, 95.91; 4, C. J. Donnelly, 95.61; 5, Martin Calder, 95.49; 6, Frank Ebert, 95.07; 7, B. F. Howes, 94.94. August, white: 1, W. T. Oliver, 97.41; 2, B. F. Howes, 96.62; 3, H. J. Neeb, 95.40; 4, F. C. Eastman, (won on flavor), 95.07; 5, Martin Calder, (won on flavor), 95.07; 6, C. J. Donnelly, 95.07; 7, Jno. F. Koch, Palmerston, 94.75. Two Flat Cheese: 1, W. T. Oliver, 97.40; 2, A. R. Gray, Clifford, 96.44; 3, E. L. Abbott, 95.66; 4, Leo Wallis, 95.57; 5, H. J. Neeb, 95.08. Three Canadian Stilton Cheese: 1, W. T. Oliver, 96.57; 2, C. J. Donnelly, 94.99; 3, E. L. Abbott, 94.90; 4, Connolly Bros., Thamesford, 94.32. Instructors' Special, for highest number of points scored in factory groups: 1, R. A. Thompson, Atwood, 108 points; 2, T. F. Boyes, Lambeth, 48.5; 3, Geo. M. McKenzie, Ingersoll, 36.5.

Butter.—Creamery, 56-lb. box: 1, P. Palleson, Calgary, Alta., 98; 2, M. Weir, Winnipeg, Man., 97; 3, Edmonton City Dairy, Edmonton, Alta., 96.50; 4, Eckville Central Creamery, Calgary, Alta., 95.8; 5, Jas. H. Ross, Exeter, 95.3. Creamery prints, 50 lbs.: 1, P. Palleson, 97.1; 2, J. P. Donald, Russell, Man., 96.8; 3, M. Weir, 96.5; 4, H. McChenn, Belmont, 95.4; 5, Edmonton City Dairy, 95.2. Farm Dairy Prints: 1, Miss L. B. Gregory, Ilderton, 95.5; 2, Wm. Armstrong, Brussels, 94.5. Farm Dairy, 1-lb. rolls or prints: 1, Miss L. B. Gregory, 91.7. Special for farmers' wives or daughters: 1, Mary C. Scott, Ilderton, 93.7; 2, Miss L. B. Gregory, 93.6; 3, Mrs. G. Hopkins, Lambeth, 93; 4, Mrs. Wm. Armstrong, 91.9. Instructors' Special, creameries scoring highest number of points: 1, T. F. Boyes, Lambeth; 2, D. McMillan, Stratford. Canadian Bank of Commerce Silver Medal: Mary C. Scott.

Poultry at the Western Fair of High Quality.

Visitors to the Western Fair always look for an excellent showing of poultry, and they were not disap-

sows: 1, 2 and 3, one year: 1, 2 and 3; Douglas. The awards in the secured by W. E. Capes, of Wyoming. Entries in several and in good fit.

Wright; 2, Collins. Months: 1 and 2, and 2, Wright; 3, 2, Capes. Sow, months: 1 and 2, months: 1 and 2, one year: 1 and 3, of one sow: 1, e sows: 1 and 2, one year: 1 and 2, w: Wright.

of Wheatley, had asses. He brought breed.

the Poland China ot & Stobbs, of sex. The former nt. Malott & Stobbs. & Stobbs. Boar, t & Stobbs. Boar, t & Stobbs; 2, Gould. Sow, 2, Gould. Sow, six t. Sow, under six obbs. Four pigs, 2 and 3, Gould. Malott & Stobbs. t & Stobbs; 2, Gould. Malott & Stobbs. y is a comparative ad the opportunity d in the entries of Leamington.

Boar, one year: Malott. Boar under Sow, two years: 1, d 2, Malott. Sow, six months: 1 and et of one boar: 1, et of one sow: 1, Malott. Boar and 2, Stobbs. Malott

ts.

1, C. J. Donnelly, W. T. Oliver, At- t Monlton, 96.11; d 6, E. L. Abbott, J. Neeb, Tavistock, asel, 95.57. June t Oliver, 96.91; 3, D. Donnelly, 96.36; J. Neeb, 95.49; 7, colored: 1, B. F. 5.99; 3, H. J. Neeb, Eastman, Arkona, artin Calder, 94.90. W. T. Oliver, At- 4, H. W. Seehaver, 1, 6, Frank Ebert, 95.41. August, J. Neeb, 96.75; 3, A. 5, Martin Calder, F. Howes, 94.94. 1, 2, B. F. Howes, Eastman, (won on n on flavor), 95.07; Koch, Palmerston, t Oliver, 97.40; 2, Abbott, 95.66; 4, 98. Three Canadian 2, C. J. Donnelly, olly Bros., Thames- highest number of R. A. Thompson, es, Lambeth, 48.5;

1, P. Palleson, nnipeg, Man., 97; n, Alta., 96.50; 4, Alta., 95.8; 5, Jas. prints, 50 lbs.; ld, Russell, Man., nn, Belmont, 95.4; m Dairy Prints: 1, 2, Wm. Armstrong, rolls or prints: 1, r farmers' wives or ton, 93.7; 2, Miss kins Lambeth, 93; nstructors' Special, of points: 1, T. F. atford. Canadian y C. Scott.

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pointed this year. Poultrymen realize that a win at London, where competition is always strong, means a good deal to them in the disposal of their breeding stock, consequently they not only fill all the classes, but are very particular about the quality, conformation and feathering of the birds which they bring out. The space allotted to the feathered tribe was filled. All

the varieties of domesticated fowl were represented. As usual the American breeds were particularly strong, with Rocks and Wyandottes leading. The old stock was in show form and the young stuff was well developed. Leghorns were as strong as ever, giving the keenest of competition in every class. In fact, every breed of fowl were up to the average in entries and, if

anything, were superior in quality. Water fowl and turkeys took up considerable space. In each class there were choice birds and some of these changed hands at fancy figures. Much interest centred about the pigeon and pet stock entries.

Central Canada Exhibition Upholds Its Reputation.

Notwithstanding the handicap forced upon Fair Boards by the war-time spirit of concentration of effort and conservation, the fifth war-time Central Canada Exhibition was fully the equal, if not superior in some respects, to that of 1917. It is true that live stock, a very important feature of the Ottawa Exhibition, was less well represented than in 1917 by about 150 entries. Some of the lines of stock were quite strong, notably dairy cattle and poultry. The attractions and the exhibits in the Manufactures and Pure Food Buildings were very similar to those of 1917, but there were some features of an agricultural nature which were improvements over past years. Chief among features worthy of comment we feel like mentioning the splendid educational exhibit prepared by the Central Experimental Farm, Ottawa. Last year this was a splendid exhibit, but this year about fifty per cent. more space was occupied. Not only were models of a stock barn, sheep barn, hog barn, farmers' poultry house for 100 and 25 hens, portable colony houses and self feeder for hogs, on view, but samples of various packages for marketing farm products were well displayed. Each division of the Experimental Farm was represented by a separate and well-planned exhibit of a pronounced educational nature. Among other excellent displays, those of the poultry, flax, chemistry and apiculture division were excellent. Of a similar nature, but quite separate, were the exhibits of the Poultry Division of the Live Stock Branch, the Health of Animals Branch, and the Sheep and Goat Division, the latter of which featured the co-operative marketing of wool and the former the utilization of eggs and poultry meat for food. Space does not permit further elaboration in this connection, but it is sufficient to say that all were a credit to those who planned them.

The war trophies exhibit was again a most interesting feature, and one could spend considerable time in profitable study with the relics and pictures of the world's greatest war. The exhibits in Machinery Hall and the demonstrations of tractor operation were likewise very interesting, if in a different direction. The directors and management of the fair deserve credit for their progressiveness. In view of what has been said, it was a fitting prelude to the success of the exhibition, therefore, that Sir Robert Borden, recently returned from Europe, should, at the directors' luncheon on Monday, express a very hopeful attitude toward the great European struggle now in progress. It was further significant of the unity of purpose of the Canadian people, that Sir Wilfrid Laurier, in the course of his address immediately following, should voice the gratitude of the Canadian people at the recent and pleasant turn of events.

The awards and detailed results of the judging follow herewith.

Horses.

Clydesdales.—Clydesdales were not as well represented this year at the Central Canada Exhibition as they have been in times past. Importations here, of course, been greatly curtailed and this had its effect on the number and quality of some of the classes. Nevertheless a few splendid line-ups were witnessed and, in addition, there was the pleasant opportunity to renew acquaintance with past winners and to welcome a few new ones.

In the aged class, open, Baron Stanley, a thick-set animal with splendid action, changed places with Dunnottar, last year's winner, who was given second place this year. Baron Stanley was later made champion stallion in the open classes, and won the special for the best imported stallion. Third place was occupied by Macgregor Buchlyvie, a strong horse, lacking enough quality to win. Two entries in the three-year and yearling stallion classes, and three in the two-year class, did not provide much competition. March Past, winner in the yearling class was reserve champion in the open classes.

Five yeld mares brought out some past winners, with Craigie Meg, a mare of good quality leading, thus duplicating her last year's performance. Woodside Lady, second prize three-year-old in 1917, went second, and Coronado third. This class was a good one and well contested.

Manilla, another repeater, scored first in brood mares, taking the red from Sweet May, her stablemate. The third and fourth prize winners were likewise stablemates of the winning pair. As usual a strong class was brought out and honors were keenly contested.

The three-year-old filly class produced the champion and grand champion female for the breed in Margery Daw, a daughter of Dunnottar and a fine show filly. She also won the special for the best imported Clydesdale female. Hilda Gold, last year's winner as a two-year-old, came second and Woodside Jeanie, third. Hillside Pearl, outstanding winner among three two-year-old fillies, was reserve champion mare. One entry filled the yearling class but the foal class was interesting.

Exhibitors.—Adam Scharfe, Cumming's Bridge; B. Rothwell, Ottawa; Wm. Nussey, Howick Station, Que.; R. Ness & Sons, Howick, Que.; Steele Bros.,

Howick, Que.; Donald Cumming, Lancaster; Samuel McGerrigle, Ormstown, Que.; T. L. Fairburn, Billing's Bridge; Brompton Pulp & Paper Co., East Angus, Que.; Jas. Callander, North Gower; Samuel Wyatt, Osgoode; Wm. Crowe, Cannamore; Albert Nussey, Brysonville; J. T. Thompson, Barnville; Robert T. Kerr, Howick, Que.; Cummings Bros., Lancaster; Ruggles Allen, Aylmer East; John Kennedy, Billing's Bridge.

Awards.—Aged stallion: 1, Ness, on Baron Stanley by Baron's Pride; 2, Rothwell, on Dunnottar by Glen-shinnoch; 3, Scharfe, on Macgregor Buchlyvie by Baron Buchlyvie; 4, Cumming, on Auchinclair by Mon-trave Ronald; 5, Wm. Nussey, on Baron Silloth's Heir, by Baron Silloth. Stallion, three years: 1, Scharfe, on Craigie's Heir by Craigie Member; 2, Steele, on Silver Spring by Sir Spencer. Stallion, two years: 1, Steele, on Gold Lion by Sir Spencemore; 2, Wm. Nussey, on Oakhurst's Baron's Pride by Baron Silloth's Heir; 3, McGerrigle, on Banker by Orphan Fashion. Stallion yearling: 1, Rothwell, on March Past by Dunnottar; 2, Ness, on Woodside Seal by Sir Spencer. Yeld mare: 1, Scharfe, on Craigie Meg by Montreatmont; 2, Ness, on Woodside Lady by Bladnoch; 3 and 5, McGerrigle, on Coronado by Right Honorable, and County Queen by County Squire; 4, Fairburn, on Prunella by British Times. Brood mare with foal: 1, 2, 3 and 4: Rothwell, on Manilla by Bonnie Buchlyvie, Sweet May by Squire Ronald, Seaham Bonnie by Bonnie Buchlyvie, and Mimosa by Silver Cup; 5, Wm. Nussey, on Oakhurst Silver Queen by Baron Silloth's Heir. Filly, three years: 1, Rothwell, on Margery Daw by Dunnottar; 2, Scharfe, on Hilda Gold by Fyvie Gold; 3, Ness, on Woodside Jeanie by Sir Spencer; 4, McGerrigle, on Tatehurst Queenie by Orphan Fashion; 5, Wm. Nussey, on Oakhurst Peggy by Sir Spencer. Filly, two years: 1, Scharfe, on Hillside Pearl by Golden Night; 2, Oakhurst Water Lily by Sir Spencer; 3, Steele, on Gypsy's Warning by Orphan Fashion. Filly, yearling: 1, Rothwell, on Vanity Fair by Dunnottar. Foal: 1 and 3, Rothwell; 2, Kennedy; 4, Wm. Nussey; 5, Steele. Imported stallion (special): Ness, on Baron Stanley. Best imported mare (special): Rothwell, on Margery Daw. Champion mare, any age: Rothwell, on Margery Daw. Reserve champion: Scharfe, on Hillside Pearl. Champion stallion, any age: Ness, on Baron Stanley; reserve champion: Rothwell, on March Past.

Canadian-Bred Clydesdales.—In the aged class five aspired for the red and Spencer of the Briars, last year's champion Canadian-bred stallion, not only repeated his class and championship winnings, but was made also, grand champion Clydesdale stallion. He was followed by Water Cress, a smooth animal of quality but deficient in action. Next came Silver Band, a horse of the right stamp and heavy set, but also showing defects in action. The remaining stallion classes were light, the two-year-old class being the only one with three entries.

Five good mares lined up in the yeld class. Maple Leaf, a deeply built mare with lots of quality coming up strong for first place. Mabel Khandahar, winner of the blue was closely followed by Woodside Rose, a splendid mare but not in good fit, although having excellent underpinning.

Sweet Lavender was the Canadian-bred champion female produced by the three-year-old class. She is a very smooth individual with lots of substance and won her class easily. Daisy Spencer took the blue and is a nice filly, but not so smooth, although smoother than Janie Crest, winner of third place. Dunnottar Rose took the red in the two-year-old filly class and was reserve champion, while Woodside Juno, was first in yearlings.

Awards.—Aged stallion, (5): 1, Ness, on Spencer of the Briars, by Sir Spencer; 2, Brompton Co., on Water Cress by Allan Water; 3, Wyatt, on Silver Band; 4, Callander, on Whitney by Baron Elrig; 5, Steele Bros., on Hillhurst Stanley by Sir Spencer. Stallion, three years: 1, Crowe, on Crown of Gold by Golden Crown; 2, Nussey, on Sir Hugo of Cherry Bank by Sir Spencer. Stallion, two years: 1, Rothwell, on Dunlevie by Dunnottar; 2, Fairburn, on Roscregie by Craigie Provost; 3, Montgomery, on Scottish Plume by Scottish Ring. Stallion, one year: 1, McGerrigle, on Osborne by Orphan Fashion; 2, Thompson, on Laird of Lakeview by Glass-Fashion; 3, Rothwell, on Laird, Brood mare, with foal: 1, Rothwell, on Ford Laird. Brood mare, by Sir Spencer; 2, Nussey, on Oakhurst Bessie Syringa by Sir Spencer. Yeld mare: 1, Brompton Co., by Sir Spencer; 2, Thompson, on on Maple Leaf by Orphan Fashion; 3, Ness, on Woodside Mabel Khandahar by Khandahar; 4, Steele Bros., on Lady Hazel-Rose by Sir Spencer; 5, Fairburn, on Rosvelva by President Roosevelt. Wood; 5, Fairburn, on Rosvelva by President Roosevelt. Gelding or filly, three years: 1, Rothwell, on Sweet Lavender by Dunnottar; 2, Nussey, on Daisy Spencer by Sir Spencer; 3, Scharfe, on Janie Crest by Carnbushinnie; 4, Keir, on Bet of Mossiel by Sir Spencer; 5, Fairburn,

on Nyaska by Dunnottar. Gelding or Filly, two years: 1, Ness, on Dunnottar Rose by Spencemore; 2, Brompton Co., on Cora by Orphan Fashion. Gelding or Filly, yearling: 1, Ness, on Woodside Juno by Sir Spencer; 2, Scharfe, on Fairview Phyllis by Craigie Revolt. Foal: 1, Rothwell, on foal by Dunnottar; 2, Allen, on Ben Bee by Dunnottar; 3, Nussey. Canadian-bred Clydesdale Stallion (Special): 1, Ness, on Spencer of the Briars, by Sir Spencer; 2, Brompton Co., on Water Cress by Allan Water. Canadian-bred Clydesdale Mare (Special) 1, Rothwell, on Sweet Lavender by Dunnottar; 2, Ness, on Dunnottar Rose by Spencemore. Champion Canadian-bred Stallion: Ness, on Spencer of the Briars by Sir Spencer. Champion Canadian-bred mare: Rothwell, on Sweet Lavender by Dunnottar.

Percherons.—Percherons were very light in numbers, only three exhibitors coming forward. The quality of some of the animals, however, was as good or better than what is generally seen at Ottawa. Juvenil, the only aged stallion shown, was made champion. Only one female, a brood mare with foal, was out. Milton Porter, Simcoe, Ont.; Peter Porter, Simcoe, Ont., and Bert Dowler, Billing's Bridge, Ont., exhibited.

Awards.—Aged stallion: 1, M. Porter, on Juvenil by Mahkarof. Stallion, two years: 1 and 2, M. Porter, on Royal Duke by Koquelin, and Jongicy by Iacra; 3, Dowler, on Sylvio by Miroton. Stallion, one year: 1, P. Porter, on Roy Macgregor by Koquelin. Brood mare with foal: 1, Dowler, on Lawrence by Hidalgo. Foal: Dowler, on Gen. Foch by Jobard. Champion stallion: Porter, on Juvenil.

Belgians.—The Belgian classes were a little better filled than last year, and some excellent specimens of the breed came forward. In the aged-stallion class, Lord Richelieu, a 2,100-pound horse of quality and good action, won first and championship. Nelly de Valaines, a smooth, three-year-old filly, won first in her class and, later, championship honors. She is owned by Reid Bros., Chateaugay, Que., while Lord Richelieu is owned by the Brompton Pulp and Paper Co., East Angus, Que. The latter also had the best string of the breed. The only other exhibitor was Andrew Spratt, Leitrim, Ont., who won second in the aged-stallion class on Adjutant.

Heavy Draft.—As usual the single class for mare or gelding, in harness, afforded the keenest competition.

Awards.—Single mare or gelding, in harness: 1 and 3, Samuel McGerrigle, Ormstown, Que.; 2 and 5, Bower Henry, Britannia Bay, Ont., on Jack and Roy; 4, Steele Bros., Howick, Que. Team, mares or geldings, in harness: 1, McGerrigle; 2, Henry, on Jack and Roy; 3, Steele Bros. Two year old: 1, Robt. T. Kerr, Howick, Que., on White Stockings of Mossiel; 2, Wm. Nussey, Howick Station, Que., on Hickory Creek Queen. Yearling: 1, Haddon Kerr, Howick, Que., on Baby; 2, R. T. Kerr, on Nance; 3, Brompton Pulp & Paper Co. East Angus, Que., on Nellie Jr.

Agricultural Horses.—Keen competition was apparent in some classes in this part of the horse judging.

Awards.—Brood mare with foal: 1, Ruggles Allen; 2, Donald Cumming; 3, Robert T. Kerr; 4, Haddon Kerr; 5, Steele Bros. Mare or gelding, three years: 1, Allen; 2, John Kennedy; 3 and 4, Samuel Wyatt; 5, Haddon Kerr; 6, Andrew Spratt, Leitrim, Ont. Mare or gelding, two years: 1, Haddon Kerr. Yearling: 1, Allen; 2, Robert T. Kerr. Foal: 1, Haddon Kerr; 2, Cumming; 3, Robert T. Kerr; 4, Spratt. Mare or gelding in harness: 1 and 4, Wyatt; 2, Cumming; 3, Wm. Cullen, Allan's Corners, Que. Team, mare or gelding, in harness: 1 and 3, Wyatt; 2, Cullen; 4, Cumming.

General-Purpose Horses (1,200 to 1,400 lbs.).—Awards.—Single, shown to vehicle: 1, C. A. Maguire, Sherbrooke, Que.; 2, Henry Wyatt, Osgoode, Ont.; 3 and 4, Bower Henry, Britannia Bay, Ont. Team, shown to vehicle: 1, Maguire; 2, Henry.

Best string of six pure-bred heavy horses: 1, Rothwell; 2, R. Ness; 3, Adam Scharfe; 4, Brompton Pulp & Paper Co.

French Canadian Horses.—Romeo Sylvestre, St. Simon, Que., had the only entries for French Canadians except for the two-year-old filly class when he was beaten by Victor Sylvestre, St. Simon, Que. The latter entry was champion mare.

Standard Breds.—Stallion classes were light in Standard Breds this year, but the aged class and a few of the mare classes afforded some competition. In the aged-stallion class Gleaner, a prize winner in 1917 won first place, followed by Corporal Charles. The placing of first prize on Gleaner implies much improvement over last year and his winning was an outstanding feat. Prince Blue, winner in this class last year, was placed third. Kerensky, the only entry in the yearling class was awarded championship honors. Ella Bleecker won first again this year in the aged-mare class, but the mare championship went to Cynthia McMartin, winner among the two-year-old fillies.

Exhibitors.—Arthur Blackburn, Ottawa; N. H. Campbell, Rockland; W. P. Hurdman, Hurdman's Bridge; Alesther Hall Stock Farm, Ottawa; R. R. Foster, Ottawa; Ashley Stock Farm, Foxboro; D. McPhail,

Eastview; C. E. McCaffrey, Russell; Lorenzo Hunter, Ottawa.

Awards.—Aged Stallion: 1, Blackburn, on Gleaner; 2, Campbell, on Corporal Charles by Vice Commodore; 3, Alesther Hall Stock Farm, on Prince Blue by San Francisco; 4, Foster, on Boni by Bingara; 5, Ashley Stock Farm, on George Raynor by McMartin. Stallion, three years, in harness: 1, Ashley Stock Farm, on Jack Raynor by George Raynor. Stallion, two years: McPhail, on Victor Siron by Prince Blue. Stallion, yearling: 1, Ashley Stock Farm, on Kerensky by McMartin. Aged mare, in harness: 1 and 4, Ashley Stock Farm, on Ella Bleecker by Niagara and Emma Frazier; 2, McCaffrey, on Rusa Y. by Silico; 3, Hunter, on Etta Frisco by San Francisco. Filly, two years: 1 and 3, Ashley Stock Farm, on Cynthia McMartin by McMartin and Muriel Longwell by Peter Wilton; 2, McCaffrey, on Blited by Bingara. Filly, yearling: 1, Ashley Stock Farm, on Helen Longwell by George Raynor. Brood Mare, with foal: 1, 3 and 4, Ashley Stock Farm, on Bessie Longwell by Noble W., Phillywinkle by McKenzie and Bessie McMartin by McMartin; 2, Hurdman, on Rose Equity by Equity. Foal: 1 and 3, Ashley Stock Farm; 2, Hurdman. Champion stallion: Ashley Stock Farm, on Kerensky by McMartin. Champion mare: Ashley Stock Farm, on Cynthia McMartin by McMartin.

Hackneys.—The Hackney entries were very light, there being no competition in any class but three-year-old mares in harness. Here, Crow & Murray, Toronto, won on Wild Rose, from C. E. McCaffrey, Russell, with Julia Jones. B. Rothwell, Ottawa, and Steele Bros., Howick, Que., exhibited alone in other classes. Steele Bros.' aged stallion, Terrington Narcissus was champion stallion.

Dairy Cattle.

The dairy cattle classes are always a feature of the Central Canada Exhibition and this year they were no exception. There were fully 100 entries more than last year, chiefly attributable to the Black and Whites. Jerseys came up much stronger also and competition was generally keen. Ayrshires usually are strong and uniformly good.

Holsteins.—As has been mentioned, Holsteins were strong at Ottawa. Several large strings were out this year and everybody won, but Gooderham and Lipsit took the lion's share, the former being somewhat the heaviest winner. It is a regrettable thing that Holstein classes at Ottawa are not more consistent. Local entries are the chief offenders and sometimes potentially strong classes are spoiled by animals that should never see the ring. This is all the more unfortunate since Eastern Ontario possesses some splendid herds of Black and Whites that usually show up well.

A feature of the dairy cattle exhibits this year was a string of 18 animals from the Kemptville Agricultural School, Kemptville, Ont., 16 of them being Holsteins. This is a creditable precedent for Eastern Canada and should be followed by other institutions next year. We believe it will be and, this year, two of the branch farms in the Dominion Experimental Farms System tried the experiment successfully at two western fairs. The Kemptville School did not win everywhere and occasionally lost badly, but on the whole their winnings were as heavy as could be expected.

In the aged bull class, Boutsje Lad, a strong backed bull for his age and strong in breed type and substance, won out, followed by Grand Favorit Brave Boy, a smaller animal but showing quality. King Korndyke Sadie Keyes took third easily.

The two-year-old bull class brought out the champion in Avondale Segis Pontiac Korndyke, a wonderfully good bull, full of quality and substance, and runner-up for the red as a yearling in 1917. He well deserved his place this year. The yearlings were a good class headed by Manor Segis Echo whose stablemate, Roycroft Segis Spofford, took the blue. Third position was taken by Forest Ridge Fayne Hengerveld.

A smooth and sweet winner for the senior-calf class was found in Fayne Segis Echo whose masculinity and straightness forced his stablemate, Forest Ridge Fayne Elite, to take the blue. Molly's Prince exempted the winning position among the juniors and was followed by Sir Desta Abbecker.

Two outstanding matrons graced the aged-class for cows in milk, and Daisy Spry, a cow with a very fine udder and great constitution won first. Dot of Elmwood took second reluctantly and showed better ribbing and splendid veining. Het Loo Fancy, winner last year, went to third.

Rado Queen Princess 2nd beat Woodcrest Ormsby to first in the three-year-old class, and Forest Ridge Segis Calamity 2nd, a strong backed heifer with individuality took the red among the two-year-olds in milk. She was followed by Manor K. S. Echo, with a better udder but weaker in body.

The senior and junior yearling and calf classes were all strongly contested. Manor K. S. Lady, Forest Ridge Fayne Posch, Forest Ridge Fayne Calamity and Correct Nancy, taking them as they came and in the order named.

Jessie Grace Keyes, last year's champion female again annexed that honor from the aged dry class. She was in excellent fit and showed well.

Exhibitors.—W. E. McKillican, Maxville, Ont.; Forrest S. Caldwell, Carp, Ont.; J. J. Alexander, St. Louis de Gonzague, Que.; Kemptville Agricultural School, Kemptville, Ont.; P. W. Taber, East Farnham, Que.; Gordon S. Gooderham, Clarkson, Ont.; Cummings & Gosselin, Cumming's Bridge, Ont.; Wm. C. Stevens, Philipsville, Ont.; Thos. P. Charleson, Ottawa; L. H. Lipsit, Straffordville, Ont.; R. J. Kelly, Culloden, Ont.

Awards.—Aged bull, (6): 1, Kemptville School, on

Boutsje Lad; 2, Taber, on Grand Favorit Brave Boy; 3, Gooderham, on King Korndyke Sadie Keyes; 4, Alexander, on King Segis Ruby Walker; 5, Caldwell, on Ourvilla Butter Boy. Bull, two years, (2): 1, Cummings & Gosselin, on Avondale Segis Pontiac Korndyke; 2, Stevens, on Lyndfield Sir Posch. Bull, yearling: 1 and 2, Gooderham, on Manor Segis Echo and Roycroft Segis Spofford; 3, Lipsit, on Forest Ridge Fayne Hengerveld; 4, Charleson, on Count Echo Woodcrest Pure O; 5, Stevens, on Sir Riverdale May Echo Lizons. Bull, senior calf: 1 and 2, Lipsit, on Fayne Segis Echo and F. R. Fayne Elite; 3, Alexander, on Faforit King Walker; 4, Stevens, on Sir May Echo Hengerveld; 5, Kemptville School, on K. A. S. Pontiac Rue. Bull, junior calf: 1 and 4, Lipsit, on Molly's Prince and F. R. Fayne DeKol; 2, Kemptville School, on K. A. T. Sir Desta Abbecker; 3, Charleson, on Pure O Mercena Pontiac; 5, Taber (post entry). Aged cow, in milk, (15): 1, Cummings & Gosselin, on Daisy Spry; 2, Kelly, on Dot of Elmwood; 3, Charleson, on Het Loo Fancy; 4, Gooderham, on Princess Segis Walker; 5, McKillican, on St. Elmo Johanna Rue. Aged dry cow, (11): 1, Cummings & Gosselin, on Jessie Grace Keyes; 2 and 4, Gooderham, on Manor P. H. Purity and Tidy De Kol Calamity; 3, Lipsit, on Molly May De Kol; 5, Taber, on Bella Segis Walker. Cow, three years: 1, Taber, on Rado Queen Princess 2nd; 2, Lipsit, on Woodcrest Ormsby; 3, Cummings & Gosselin, on Cloverdale Topsy Posch; 4, Stevens, on Pietje Posch Netherland; 5, Caldwell, on Grace Merton De Kol. Heifer, 2 years, in milk, (9): 1, Lipsit, on F. R. Segis Calamity 2nd; 2, Gooderham, on Manor K. S. Echo; 3, 4 and 5, Kemptville School, on Mercena Netherland Pride, Molly Pontiac Pride and Margaret Pontiac Pride. Heifer, two years, dry: 1, Lipsit, on F. R. Fayne Nancy; 2, Taber, on Princess Echo Sylvia; 3, Alexander, on Milk Maid Molly; 4 and 5, McKillican, on Jewel Sanesta Rattler and Bess Polianthus Rattler. Heifer, senior yearling, (11): 1 and 4, Gooderham on Manor K. S. Lady and Manor K. S. Friend; 2, Lipsit, on Rose Mauleen Fayne; 3, Kemptville School, on Daisy Mercena Pontiac; 5, Cummings & Gosselin, on Bertha Keyes Echo Vale; 6, Charleson, on Pure O Phyllis De Kol. Heifer, junior yearling, (10): 1 and 3, Lipsit, on F. R. Fayne Posch and Prilly Fayne Calamity; 2, Gooderham, on Manor Segis Inka; 4, Cummings & Gosselin, on Cloverdale Colantha Rhoda; 5, Stevens, on Daisy Akkrum Queen. Heifer, senior calf, (10): 1 and 5, Lipsit, on F. R. Fayne Calamity and F. R. Fayne Lauretta; 2, Gooderham, on Manor Segis Lady; 3, Kemptville School, on Pontiac Colantha Posch; 4, Taber, on Dot. Heifer, junior calf: 1, Lipsit, on Correct Nancy; 2 and 3, Gooderham, on Manor Sadie Keyes and Manor Sadie Jewel; 4, Kemptville School, on Fanny Tenson De Kol; 5, Cummings & Gosselin, on Gold Dollar Echo Ormsby; 6, Charleson, on Pure O Clothilde Korndyke. Four, get of sire, (special): Gooderham. Four, over 6 months, get of sire: 1 and 3, Gooderham from K. S. Pontiac Posch and King Korndyke Sadie Keyes; 2, Lipsit from Funderne King May Fayne; 4, Taber. Graded herd: 1, Gooderham; 2, Kemptville School; 3, Taber. Herd, bull and 4 females under 2 years: 1, Gooderham; 2, Lipsit; 3, Taber. Herd, bull and four females (Chateau Laurier Special): Cummings & Gosselin. Two, progeny of cow, over 6 months: 1, Lipsit; 2 and 3, Gooderham; 4, McKillican. Champion Bull: Cummings & Gosselin, on Avondale Segis Pontiac Korndyke. Champion female: Cummings & Gosselin, on Jessie Grace Keyes.

Ayrshires.—The Ayrshire classes were not so well filled as the Holsteins but they were more uniformly good and there was always good competition.

Lessnessock Golden Loree, a grand bull of great character, annexed the red in the aged-bull class, and later the championship honors. He reversed positions in the aged class with Glenhurst Torrs Mayor, last year's winner, who stood second this year. Barcheskie Taraxacum stood third.

Netherhall Countermark, last year's champion and first prize yearling, took the red this year as a two year old, followed by Holehouse Hopeful, a fine type of bull but not so smooth. Burnside Bunting Master was the best yearling bull and Springburn Ring Master the best senior calf. The junior calves were led by Masterpiece of Westerton.

Harleyholm White Rosie 3rd, champion Ayrshire female at Toronto this year, annexed the red in the aged cow class and duplicated her Toronto performance. As at Toronto, her stablemate, Chapman Henny, last year's champion, followed her to second place. This was a good class and Blacklyres Ellen, looked well in third position.

Among the three year olds, Willowhaugh Spicy Jean captured first with Burnside Barbara runner up. Lady Hopeful was true to her naming and graciously accepted third. Another victory for Auchenbay Victoria 8th was scored when the two year olds in milk came out. This heifer has never been beaten in her class. She was followed by Drumsie Primrose and Queen Bess.

The dry classes were not so heavy but Maple Leaf Jean took the red in the aged class followed closely by Townfoot Sunbeam. Burnside Lady Lucky, Spotty of the Pines and Edgewood Peach ranged up in order for the dry two year olds.

Nine yearling heifers provided keen competition in which Burnside Randy 2nd reached the top. Burnside Randy 3rd headed the senior-calf class and Burnside Emma Blossom, the juniors.

Exhibitors.—Gillespie Bros., Spencerville, Ont.; Gilbert McMillan, Huntingdon, Que.; David T. Ness, Howick, Que.; R. R. Ness, Howick, Que.; J. H. Black, Lachute, Que.; Geo. H. Montgomery, Philipsburg, Que.; Chesley Pillar, Russell, Ont.; Jas. West, Howick, Que.; Kemptville Agricultural School, Kemptville, Ont.

Awards.—Aged bull, (4): 1, McMillan, on Lessnessock Golden Loree; 2, R. Ness, on Glenhurst Torrs Major;

3, D. Ness, on Barcheskie Taraxacum; 4, Gillespie, on Burnbrae Lochinvar. Bull, two years, (4): 1, Black, on Netherhall Countermark; 2, Ness, on Holehouse Hopeful; 3, Montgomery, on Auchenbay Sir Andrew; 4, D. Ness, on Baronhaysfoot Print. Bull, one year: 1, D. Ness, on Burnside Bunting Master; 2, R. Ness, on Burnside Denty Piece. Bull, senior calf: 1, McMillan, on Springburn Ring Master; 2, R. Ness, on Burnside Prince Sunbeam; 3, Montgomery, on Lakeside Mischief Maker; 4 and 5, Gillespie, on Glenfergus Milkmaid's Duke and Glenfergus Reliance. Bull, junior calf: 1, West, on Masterpiece of Westerton; 2, McMillan, on Woodburn Golden Love; 3, Montgomery, on Lakeside Defiance; 4, Pillar, on Hillside Peter Pan 3rd; 5, Gillespie, on Glenfergus Prince. Aged cow, in milk, (8): 1, 2 and 5, R. Ness, on Harleyholm White Rosie 3rd, Chapman Henny and Carleton Baroness; 3, Black, on Blacklyres Ellen; 4, McMillan, on Lochfergus Boquet. Aged cow, dry: 1, McMillan, on Maple Leaf Jean; 2 and 4, R. Ness, on Townfoot Sunbeam and Burnside Maggie Finlayston; 3, D. Ness, on Lochfergus Catherine. Cow, three years, (5): 1 and 4, Black, on Willowhaugh Spicy Jean and Willowhaugh Dolly Gray; 2, R. Ness, on Burnside Barbara; 3, Kemptville School, on Lady Hopeful; 5, D. Ness, on Edgewood Miss Jessie. Heifer, two years, in milk, (8): 1, Black, on Auchenbay Victoria 8th; 2 and 4, R. Ness, on Drumsie Primrose and Netherhall Nancy; 3, McMillan, on Queen Bess; 5, Montgomery, on Lady of Riverside; 6, D. Ness, on Edgewood Pearl. Heifer, two years, dry, (4): 1, R. Ness, on Burnside Lady Lucky; 2, McMillan, on Spotty of the Pines; 3, D. Ness, on Edgewood Peach; 4, Montgomery, on Lakeside Lady Bee. Senior herd: 1, R. Ness; 2, McMillan; 3, Black. Junior herd: 1, R. Ness; 2, D. Ness; 3, Montgomery. Four get of sire: 1 and 3, R. Ness, both from Hobsland Masterpiece; 2, D. Ness, from Holehouse White Heather; 4, Montgomery, from Auchenbrain Sea Foam. Two, produce of one cow: 1, R. Ness; 2, D. Ness; 3, Montgomery; 4, McMillan. Canadian-bred cow (special): 1, McMillan, on Maple Leaf Lilly; 2 and 4, Montgomery, on Lakeside and Lakeside Rosebud Butterfly; 3, D. Ness, on Ayrmont Bluebelle; 5, R. Ness, on Glenhurst Flossie. Best Canadian-bred Ayrshire bull (special): Ness. Champion bull: McMillan, on Lessnessock Golden Loree. Champion female: R. Ness, on Harleyholm White Rosie 3rd. Cow, under five years, having official record.

Cow, having official record, being under five years: 1 and 4, McMillan, on Maple Leaf Jean (conformation 96, production 9.37; total 105.37) and Lochfergus Boquet (82+10.2=92.2); 2, Montgomery, on Rosebud (81+18.91=99.91); 3, R. Ness, on Burnside Lucky Darling (85+12.8=97.8).

Jerseys.—Jerseys are always light at Ottawa, but this year B. H. Bull & Son, Brampton, had some competition in every class but one, and did not carry away every first prize, losing four out of thirteen to W. S. Davidson, North Hatley, Que. Competition was fairly keen in the aged and three-year-old cow classes, and especially so in the bull championship class. In fact, so keen was competition here that it was only the sweet perfection of Bull's Brampton Bright Lord, the first prize yearling bull, that enabled him to win out over Davidson's La Sentes Kings Onyx, an animal of splendid quality and breed character. Other exhibitors were Fred A. White, Calumet, Que., and Henry Lowerey, Sawyerville, Que.

Awards.—Aged bull, (2): 1, Bull, on Brampton Radiator; 2, White, on Kit of Edendale. Bull, two years, (3): 1, Davidson, on La Sentes Kings Onyx; 2, Lowerey, on Bull's Bonnie Lad; 3, Bull, on Brampton Plaisir Chief. Bull, one year: 1 and 3, Bull, on Brampton Bright Lord, and Brampton Prince Darkey; 2, Davidson, on Fox's You'll Do. Bull calf, senior: 1, Davidson, on Lass Fountain's Perfection; 2, Bull, on Brampton Bright. Bull calf, junior: 1, Davidson, on Buttercup's Sybil's Gamboze; 2, Bull, on Brampton Lord Glendale; 3, Lowerey, on Bonnie of Fairview. Aged cow: 1 and 2, Bull, on Penithorpe's Patricia, and Brampton Princess May; 3 and 4, Davidson, on Gentle Fern, and Lass of Meadowview. Cow, three years: 1 and 3, Bull, on Brampton B. P. Ina, and Brampton Lady Bawlina; 2 and 4, Davidson, on Fountain's Lass and (name unknown). Heifer, two years: 1 and 3, Davidson, on Oxford's Morning Dew and Petal's Bluebelle; 2, Bull, on Brampton Sonata; 4, White. Heifer, yearling: 1, Bull, on Brampton Bright Rosebud; 2, Davidson, on Maplehurst Patricia; 3, White, on Gracie of Calumet. Heifer, senior calf: 1 and 3, Bull, on Brampton Eunice and Brampton Princess Lucy; 2, Davidson, on Sicamer Bluebelle. Heifer, junior calf: 1, Bull, on Brampton B. P. Red Rose; 2, Davidson, on Brunettes Mossy; 3, White, on Topsy of Calumet. Herd: 1, Bull; 2, Davidson. Four, get of sire: 1, Bull. Champion Male: Bull, on Brampton Bright Lord. Champion Female: Bull, on Penithorpe's Patricia.

French Canadian.—Arsene and Ernest Sylvestre, Clairvaux, Que., were the only two exhibitors in this breed, the honors being about evenly divided for the three classes. Sylvestre 6th, the first-prize aged cow, won the honors for Arsene Sylvestre. Ernest Sylvestre's aged bull had no competition for the male championship.

Grade Dairy Cattle.—J. H. Black, Lachute, Que., was again superior in grade dairy cattle, winning every first prize but one, J. J. Alexander, St. Louis de Gonzague, Que., getting first in aged cows. Black's three-year-old in milk, Hobsland Sunrise, won the honors.

Beef Cattle.

Shorthorns.—Four exhibitors as compared with five in 1917, appeared this year. Kyle Bros., of Drumbo, Ont., who had entered did not materialize. Keen competition was almost painfully lacking, since two ex-

hibitors, Pritchard Bros., Elora, Ont., and Jno. Watt & Son, Elora, did most of the winning. C. N. Stainton, Hampton, Ont., and T. Scobie & Company, Osgoode, Ont., contested nearly every class, but rarely reached higher than third position. There was no competition in the aged-bull class, and Sultan Butterfly, winner of the two-year-olds, was made champion. He is a good bull of depth and thickness. Mina's Hero took the blue in this class. Four animals contested each of the calf classes, Irvinedale Hope winning the senior and Irvinedale Diamond the junior class. The junior winner took the red from Butterfly's Marquis chiefly on size and thickness, the latter being, however, a very sweet youngster.

Victoria 8th easily won the aged-cow class, and Escana Beauty 4th took the red from Village Lassie 9th in the two-year-old heifer class, and was later awarded the championship. Not so large as her rival, she was smoother and showed more quality. Watt & Son swept the senior yearling class with the first four prizes, Snowball leading. The junior classes afforded most competition, and among the senior calves Monkland Select Beauty led.

Awards.—Bull, two years: 1, Pritchard; 2, Stainton; 3, Scobie. Bull, junior yearling: 1, Stainton. Bull, senior calf: 1, 2 and 3, Watt, on Irvinedale Hope, Irvinedale Prince and Irvinedale May. Bull, junior calf: 1, Watt, on Irvinedale Diamond; 2, Pritchard, on Butterfly's Marquis; 3, Stainton; 4, Scobie. Aged cow: 1, Pritchard, on Victoria 10th; 2, Scobie, on Red Rose; 3, Stainton, on Madella Kate. Heifer, two years: 1 and 2, Watt, on Escana Beauty 4th, and Village Lassie 9th; 3, Stainton, on Evelyn. Heifer, senior yearling: 1, 2, 3 and 4, Watt, on Snowball, Stella Stamford, Irvinedale Merry Lass, and Lady Gainford; 5, Stainton, on Beauty 38th. Heifer, junior yearling: 1 and 3, Watt, on Irvinedale Red Lady 2nd and Crimson Beauty; 2, Pritchard, on Starlight Beauty; 4, Stainton, on May Augusta; 5, Scobie, on Spring. Heifer, senior calf: 1, Pritchard, on Monkland Select Beauty; 2, 3 and 4, Watt, on Gainford Fanny, Irvinedale Merry Lass and Roan Duchess; 5, Scobie, on Anchovy. Heifer, junior calf: 1, Scobie, on Maple Grace Beauty; 2, Stainton. Senior herd: 1, Pritchard; 2, Stainton. Junior herd: 1, Watt. Herd, four calves: 1, Watt. Two, produce of one cow: 1, Pritchard; 2 and 3, Watt. Four, get of sire: 1 and 2, Watt, from Gainford Select and Gainford Marquis. Aged cow, dual-purpose, in milk: 1, Pritchard, on Lady Butterfly; 2, Stainton, on Princess Irene; 3, Scobie, on Rose of Scobie 2nd. Cow, under four years, dual-purpose, in milk: 1, Pritchard, on White Star; 2, Stainton, on Plumb. Champion bull: Pritchard, on Sultan Butterfly. Champion female: Watt, on Escana Beauty 4th.

Herefords.—The Hereford judging was a matter of form, the herd of W. Readhead, Milton, Ont., being alone in these classes. They were worthy representatives of the breed, however, and it is too bad that they could not prove their worth.

Aberdeen-Angus.—Like the Herefords, the Aberdeen-Angus were represented by only one herd, but it also was a splendid one. G. C. Channon, Oakland, Ont., was the exhibitor, and brought out a splendid lot of very uniform entries. Competition would have been welcomed. Elm Park Pat remains champion in the bull classes.

Fat Cattle.—Pritchard Bros. were the heaviest exhibitors. In the cow or heifer, under three years, class, C. N. Stainton had the only two animals out, and Readhead carried off the red in the steer calf class. The red, for a pair of export steers, went to two representatives of the Dobbies, the blue going to a pair of Short-horns. Pritchard owned the champion fat steer in the winning yearling.

There was no competition in the amateur classes for pure-bred cattle for beef purposes. C. N. Stainton won all.

Sheep.

The sheep exhibit was lighter than last year and several of the breeds saw only one exhibitor, thus reducing competition to the minimum.

Cotswolds.—R. Sylvestre, St. Simon, Que., was the only exhibitor, with two entries in a few classes.

Leicesters.—H. Allen, Orono; N. Allen, Newcastle, and W. A. McPhail, Ottawa, contested among the Leicesters, the heaviest winnings and both championships going to the first named.

Awards.—Ram, two shears: 1, H. Allen. Ram, shearing: 1, N. Allen; 2, H. Allen; 3, McPhail. Ewe, aged: 1 and 4, H. Allen; 2 and 3, N. Allen. Ewe, shearing: 1 and 3, H. Allen; 2, N. Allen; 4, McPhail. Ewe, lamb: 1 and 3, H. Allen; 2, N. Allen. Pen, open: H. Allen. Pen, lambs: H. Allen. Champion ewe: H. Allen. Champion ram: H. Allen.

Lincolns.—R. Sylvestre was again the only exhibitor for the breed, except for a second-prize aged ewe owned by W. A. McPhail.

Southdowns.—A. Ayre, Bowmanville, Ont., was alone in these classes.

Shropshires.—R. Sylvestre and C. H. Scott, Hampton, Ont., drew out here with the winnings going to the latter exhibitor. Sylvestre got second in aged ram and third in aged ewe. The ram lamb and the shearing ewe were champions.

Suffolks and Hampshires.—A. Ayre and E. Barbour & Sons, Hillsburg, Ont., were the only exhibitors, the former taking most of the prizes. E. Barbour took first and second ram lamb, second aged ewe, and first ewe lamb. Both championships went to Ayre on the aged ram and shearing ewe.

Dorsets.—A. Ayre had all the entries.

Oxfords.—E. Barbour & Sons were alone in this breed.

Cheviots.—A. Ayre had all the entries.

Fat Sheep.—E. Barbour & Sons were alone with three entries.

Swine.

Swine were very light, Yorkshires being the only breed where competition was at all noticeable.

Yorkshires.—Aged boar: 1, W. Featherston, Streetsville, Ont.; 2, J. K. Featherston, Streetsville, Ont. Boar, one year: 1 and 3, J. K. Featherston; 2, A. Dynes, Ottawa. Boar, over 6 months and under 12: 1 and 4, Dynes; 2, J. K. Featherston; 3, McCullough Bros., Sutton, Que. Boar under six months: 1 and 2, J. K. Featherston; 3, McCullough Bros. Aged sow: 1, J. K. Featherston; 2, 3 and 4, Dynes. Sow, one year and under two: 1 and 2, J. K. Featherston; 3 and 4, Dynes. Sow, over six months and under 12: 1, 2 and 3, J. K. Featherston; 4, Dynes. Sow, under six months: 1, 2 and 3, Dynes; 4, McCullough Bros. Four, under six months, progeny of one sow: 1 and 2, J. K. Featherston; 3, Dynes. Herd: 1 and 2, J. K. Featherston; 3, Dynes. Champion boar: J. K. Featherston. Champion sow: J. K. Featherston.

Other Distinct Breeds.—R. Sylvestre and O. Sylvestre, St. Simon, Que., and E. Sylvestre and A. Sylvestre, Clairvaux, Que., divided the money in these classes with the lion's share and both championships going to E. Sylvestre. R. Sylvestre was next.

Export Bacon Hogs.—Awards.—Pen of four pure-breeds: 1, 2 and 5, J. K. Featherston; 3 and 4, A. Dynes.

Live Stock Judges.

The various classes of live stock were disposed of by the following men, who acted as judges: Clydesdales, imported or Canadian-bred and specials, William McKirdy, Napinka, Man.; Clydesdales, Canadian-bred, Agricultural horses, Percherons and Belgians, John Hay, Lachute, Que.; Light horses, Dr. J. A. Sinclair, Cannington, Ont., and Robert Graham, Toronto; Shorthorns, Peter White, Toronto; Herefords and Aberdeen-Angus, Pure-bred cattle for beef purposes and fat cattle, James Smith, Rockland, Ont.; Holsteins, E. S. Archibald, C. E. F., Ottawa; Ayrshires, W. W. Hunter, Grimsby; Jerseys, D. G. Duncag, Don, Ont.; French-Canadian cattle and dairy grades, Prof. H. Barton, Macdonald College, Que.; Long-wooled sheep, J. M. Gardhouse, Weston, Ont.; Short-wooled sheep, Stanley Logan, Amherst Point, N. S.; Swine, John Flatt, Hamilton.

Inter-County Judging Competition.

The Inter-County Live-Stock Judging Competition was conducted similarly to that at Toronto, and the number of contestants was quite gratifying. In sheep, fifteen men competed; in heavy horses there were twenty seven, and in beef cattle thirty. Twenty-three tried their hand at judging dairy cattle, and twenty-nine at swine. Following are the winners in the various classes, together with the county they live in and the score they obtained:

Heavy Horses, (possible score 200): 1, Geo. E. Wiggins, Grenville, 176; 2, E. S. Graham, Lanark, 166; 3, Lloyd Tait, Dundas, 165; 4, W. H. Strong, Lanark, 163; 5, Sydney Munro, Dundas, 162; 6, Garrett Poapst, Dundas, 155; 7, Harold E. Wilson, Grenville, 132; 8, Geo. Timmins, Dundas, 125; 9, Colin Hay, Dundas, 112.

Beef Cattle, (possible score 200): 1, Wm. Thompson, Peterboro, 165; 2, Geo. E. Wiggins, Grenville, 155; 3, Clarence R. Wilson, Grenville, 150; 4, H. L. Thompson, Russell, 140; 5, A. M. Ewart, Lanark, 135; 6, Trevor R. Beckett, Grenville, 130; 7, Geo. Timmins, Dundas, 105; 8, Ronald Cackner, Dundas, 100; 9, Howard Sloan, Grenville, 75.

Dairy Cattle, (possible score 200): 1, R. Bruce Ness, Howick, Que., 178; 2, Douglass Ness, Howick, Que., 172; 3, Harold F. Scott, Grenville, 167; 4, D. A. V. McKinnon, Glengarry, 166; 5, Wm. G. Barry, Peterboro, 161; 6, Hibbert Vipond, Russell, 149; 7, Cephas Smith, Dundas, 148; 8, Wesley Seabrook, Carleton, 147; 9, C. R. Hall, Grenville, 141.

Sheep, (possible score 200): 1, A. M. Ewart, Lanark, 185; 2, Garrett Poapst, Dundas, 173; 3, Merritt Campbell, Dundas, 150; 4, Arch. Morrison, Dundas, 148; 5, Wm. G. Barrie, Peterboro, 145; 6, Clarence R. Wilson, Grenville, 140; 7, D. A. V. McKinnon, Glengarry, 130; 8, H. I. Johnston, Dundas, 121; 9, T. K. Stewart, Lanark, 120.

Swine, (possible score 200): 1, Jas. B. Plunkett, Grenville, 178; 2, Harvey L. Thompson, Lanark, 167; 3, Trevor R. Beckett, Grenville, 164; 4, Floyd Shaver, Dundas, 160; 5, Cephas Smith, Dundas, 159; 6, E. S. Graham, Lanark, 158; 7, John V. Armstrong, Carleton, 157; 8, Fred Brassard, Dundas, 155; 9, Lloyd Tait, Dundas, 154.

In the Junior Farmers inter-county bacon hog contest, Trevor R. Beckett, Kemptonville, was the winner for the group of counties including Renfrew, Lanark, Carleton and Grenville. Merritt Campbell, Finch, was first in the group made up of Russell, Dundas, Stormont, Glengarry and Prescott; Roy Berry, Mountain, was second here. Trevor R. Beckett won the championship ribbon in this department.

Cheese and Butter Awards.

As usual, the dairy building was filled with dairy and culinary exhibits all of which were tastefully arranged. The cheese entries were 86 in number, 17 less than last year but the quality was good and several high scores were made. As at Toronto the Westerners carried away the prize money in creamery butter and, in fact, gathered in all of the winnings.

Cheese.—August colored: Sect. 1: B. F. Howes, West Mountain, Ont.; 2, W. P. Kiljoyle, 3, A. G. Wiltsie, Vankleek Hill, Ont.; 4, Peter Guindon, Vankleek Hill, Ont.; 5, C. J. Donnelly, Lambeth, Ont. August white: 1, Duncan A. McDonald, Summerstown St'n., Ont.; 2, E. P. Haude, St. Anne de la Perade, Que.; 3, A. J.

Cameron, Cornwall, Ont.; 4, B. F. Howes; 5, C. A. Hutt, Martintown, Ont. June, white or colored: 1, B. F. Howes; 2, E. E. Diamond, Shannonville, Ont.; 3, C. J. Donnelly; 4, Emile Bell Isle, St. Stanislas, Que.; 5, L. P. Belanger, St. Alexander, Que. Canadian Salt Co. (special): 1, D. A. McDonald, Cornwall, Ont.; 2, C. A. Hutt. Dairy Supply Co. (special): C. J. Donnelly.

Butter.—Creamery solids: 1, Crescent Creamery Co., Winnipeg, Man.; 2, P. Palleson, Calgary; 3, Edmonton City Dairy, Edmonton, Alta.; 4, Eckville Central Creamery, Eckville, Alta.; 5, Matthew Weir, Winnipeg, Man. Creamery Prints.—1, P. Palleson; 2, Edmonton City Dairy; 3, Matthew Weir. Dairy solids: 1, B. D. Young, Mansonville, Que.; 2, Mrs. Warner Bradley, Northfield Farm, Que.; 3, Mrs. J. O. Connell, Manitock Station, Ont.; 4, Mrs. Nelson McLellan, Wyman, Que. Dairy prints.—1, B. D. Young; 2, Mrs. McLellan; 3, Mrs. Bradley; 4, Mrs. Connell.

Agricultural Products.

A very good showing of agricultural products was made and these included potatoes, roots, vegetables, grain, corn, and in fact all kinds of farm products. Prof. Jas. Murray, of Macdonald College, made the awards. In spring wheat, sheaves, William Naismith, Falkenburg Station, was first; Alf. Wallace, North Gower, was second; Jas. F. Ferguson, Osgoode Station, was third, and Jas. Snetsinger, Mille Roche, was fourth. In spring wheat sheaves, L. H. Newman, of Ottawa, came first; Alf. Wallace second, and Jas. Ferguson third. In Banner oats, sheaves, the winners ran in the following order: Wm. Naismith, Alf. Wallace, J. S. Moore, Bellamy, and D. Cumming, Russell. The barley winners ran thus: Jas. F. Ferguson, J. S. Moore, Alf. Wallace, and D. Cumming. In any other white variety of oats, Wm. Naismith was first, Jas. Ferguson, second, Alf. Wallace third, and J. S. Moore fourth.

Standing Field Crop Competition Awards.

A display of grain and vegetables was made from the entries sent in from the winning fields and gardens in the Standing Field Crop Competitions. The awards ran as follows:

Sheaves.

Oats.—1, Andrew Schmidt, Mildmay; 2, H. L. Goltz, Bardsville; 3, Levi S. Taylor, Victoria Harbor; 4, Thompson Bros., Indian River.

Wheat.—1, R. S. Frisby & Son, Unionville; 2, Andrew Schmidt; 3, J. C. Connerty, Kemptonville; 4, Francis M. Baker, Wolfe Island.

Barley.—1, C. K. Ketcheson, Belleville.

Grain.

Oats.—1, Thos. Sellers, Zephyr; 2, Fred A. Clark, Gormley; 3, H. L. Goltz; 4, Levi S. Taylor.

Wheat.—1, R. S. Frisby & Son; 2, Geo. R. Barrie, Galt; 3, R. E. Osborne, Bowmanville; 4, O. E. Wilson, Kinburn.

Barley.—1, C. H. Ketcheson.

Vegetables.

Following are the awards in vegetables:

Celery.—1, Geo. Harris, Belleville; 2, G. W. Bycroft, London; 3, C. E. Post, Brighton; 4, Art. Carlton, Lambton Mills; 5, Tizzard Bros., Humber Bay; 6, F. F. Reeves, Humber Bay.

Onions.—1, W. E. Crandall, Ingersoll; 2, Brown Bros., Humber Bay; 3, Tizzard Bros.; 4, Art. Carlton; 5, Geo. Aymer, Humber Bay; 6, Cook Bros., Cataraqui.

Potatoes.—1, R. F. Martin, Beamsville; 2, T. K. Aymer, Humber Bay; 3, W. J. Downing, Trenton; 4, G. W. Bycroft; 5, W. R. Trott, London West; 6, Jno. McMullen, Cumming's Bridge.

Tomatoes.—1, Geo. Harris; 2, T. K. Aymer; 3, S. Eaton, Humber Bay; 4, W. J. Downing; 5, J. McMullen, Cumming's Bridge; 6, Fuller Bros., London.

Cabbage.—1, J. Baker, Cataraqui; 2, Tizzard Bros.; 3, Brown Bros.; 4, Jno. McMullen; 5, Gordon Fry, Vineland; 6, Cook Bros.

Melons.—1, Philip Jean, London; 2, G. W. Bycroft; 3, W. Trick, Ottawa; 4, Cook Bros.; 5, A. McInnis, London; 6, J. Baker.

Poultry.

The Poultry Building was very well filled and the quality of the birds was very good, better probably than was to be found at the Canadian National Exhibition. The cage in the centre of the building filled last year with wild fowl was occupied by a flock of geese. The water tank inside added to their contentment. A most commendable feature of the poultry exhibits was the egg-laying competition staged outside, each pen having a small portable house and yard to itself. There were 27 contestants; and some very good laying results were secured.

Horticulture.

The Horticulture Building was again the scene of many good specimens from the garden and orchard. Flowers were, perhaps, not so plentiful, but were of good quality. Fruit also was very light and, as might be expected from the district surrounding Ottawa, not very well colored as yet. Vegetables were featured principally, and the quality was superior to the exhibits at Toronto on the whole. The feature of the vegetable exhibits was the competition from war gardens and the collections were very good indeed.

Toronto, Montreal, Buffalo, and Other Leading Markets

Week Ending September 12

Receipts and Market Tops.

Dominion Department of Agriculture, Live Stock Branch, Markets Intelligence Division

| CATTLE | | | | | | | CALVES | | | | | |
|-----------------------------|-----------|-------------|-----------------------|-----------|-------------|-------------|-----------|-------------|-----------|-----------------------|---------|--|
| Receipts | | | Top Price Good Steers | | | | Receipts | | | Top Price Good Calves | | |
| Week Ending | Same Week | Week Ending | Week Ending | Same Week | Week Ending | Week Ending | Same Week | Week Ending | Same Week | Week Ending | | |
| Sept. 12 | 1917 | Sept. 5 | Sept. 12 | 1917 | Sept. 5 | Sept. 12 | 1917 | Sept. 5 | Sept. 12 | 1917 | | |
| Toronto (Union Stock Yards) | 7,688 | 7,915 | 7,030 | \$15.00 | \$10.75 | \$15.00 | 857 | 685 | 933 | \$17.75 | \$15.50 | |
| MONTREAL (Pt. St. Charles) | 1,522 | 1,396 | 1,510 | 12.50 | 10.25 | 13.65 | 660 | 513 | 653 | 11.25 | 15.00 | |
| MONTREAL (East End) | 2,246 | 1,424 | 1,415 | 12.50 | 10.25 | 13.65 | 798 | 291 | 573 | 11.25 | 15.00 | |
| Winnipeg | 5,319 | 9,332 | 6,388 | 14.75 | 10.50 | 14.50 | 290 | 196 | 226 | 11.50 | 13.00 | |
| Calgary | 3,845 | 1,913 | 2,690 | 13.50 | 9.00 | 13.00 | 117 | 114 | 157 | 8.50 | 9.00 | |
| Edmonton | 1,641 | 912 | 1,494 | 14.00 | 8.00 | 13.50 | | | | | 8.50 | |

| HOGS | | | | | | | SHEEP | | | | | |
|-----------------------------|-----------|-------------|-------------------|-----------|-------------|-------------|-----------|-------------|-----------|----------------------|---------|--|
| Receipts | | | Top Price Selects | | | | Receipts | | | Top Price Good Lambs | | |
| Week Ending | Same Week | Week Ending | Week Ending | Same Week | Week Ending | Week Ending | Same Week | Week Ending | Same Week | Week Ending | | |
| Sept. 12 | 1917 | Sept. 5 | Sept. 12 | 1917 | Sept. 5 | Sept. 12 | 1917 | Sept. 5 | Sept. 12 | 1917 | | |
| Toronto (Union Stock Yards) | 3,977 | 4,536 | 3,604 | \$19.75 | \$18.25 | \$20.00 | 4,933 | 4,976 | 3,456 | \$18.65 | \$15.75 | |
| Montreal (Pt. St. Charles) | 1,998 | 2,308 | 1,916 | 20.00 | 17.75 | 20.00 | 1,554 | 4,476 | 1,251 | 17.25 | 14.50 | |
| Montreal (East End) | 1,707 | 1,468 | 1,478 | 20.00 | 17.75 | 20.00 | 2,944 | 685 | 985 | 17.25 | 14.50 | |
| Winnipeg | 1,298 | 2,356 | 2,263 | 19.00 | 17.00 | 19.00 | 521 | 1,153 | 760 | 17.00 | 13.00 | |
| Calgary | 1,513 | 658 | 843 | 19.00 | 16.00 | 19.00 | 1,525 | 25 | 2,139 | 14.00 | 12.50 | |
| Edmonton | 505 | 270 | 343 | 18.75 | 16.65 | 18.20 | 98 | 47 | 180 | 12.25 | 12.00 | |

Market Comments.

Toronto.

There was a strong and active demand for cattle at the Stock Yards during the week, and the seventy-six hundred head on sale were readily disposed of at prices equal to and in some cases higher than those prevailing on the previous week's market. The quality averaged rather inferior to that of the preceding week, the majority of the stock consisting of cows and medium to common steers and heifers. A few loads of heavy cattle were on sale and these met with a good demand. Buffalo market quotations had considerable influence on the local market and fully twelve hundred head were shipped out to that market as also to other United States points during the week, while Ontario farmers absorbed about eight hundred cattle for feeding purposes. Also a few loads of good butcher cattle were shipped to the States but with the exception of these, the stock that went south was of a quality more suitable for feeding purposes. Among the sales of heavy cattle made locally, one load averaging about thirteen hundred pounds sold at \$16 per hundred; another load of about equal weight at \$15.75; one load of twelve hundred and forty pounds at \$15.50; two loads at \$15.35, while a number were weighed up at \$15. Of the steers weighing from ten hundred to twelve hundred pounds, twenty-one head of eleven hundred and sixty pounds sold at \$14.75; a load of eleven hundred pounds at a similar price; twenty-four head of ten hundred and fifty-five pounds at \$14.35, while several loads from ten hundred pounds to eleven hundred pounds in weight, sold from \$13.50 to \$14.25. Steers and heifers under ten hundred pounds met with an improved demand and stronger prices were paid for good quality stock. Of this class, fourteen head of nine hundred and eighty pounds sold at \$13.85 per hundred on Monday, but these were of extra good quality and sold a little above the general market. Also twenty-eight head of nine hundred and fifty pounds sold at \$13.40, while other good sales were made from \$12.50 to \$13.25. Fairly good cattle within these weights sold from \$11.50 to \$12.25, medium from \$9.50 to \$10.50, and common from \$8 to \$9.50. Bulls and cows experienced a ready demand in sympathy with the good market for other grades of cattle and while \$10.50 was about the top price a few sales were made from \$10.75 to \$11 per hundred. Good cows sold from \$9.25 to \$9.75, medium from \$8.25 to \$9, and common from \$7 to \$8. Stockers and feeders were in fair demand at steady quotations. Good feeders of nine hundred to nine hundred and fifty pounds brought from \$10.75 to \$11.50, although extra choice quality sold above these figures. Good stockers met with a good inquiry from \$9.50 to \$10.25, and common stock sold from \$8 to \$9. Calves were in demand and prices were about steady. A few choice veal calves sold at \$17.75 and \$17.85 during the week, while most of the good veal moved from \$15 to \$17 and medium from \$13 to \$14.50.

Lamb receipts were lighter and prices advanced during the course of the week. On Monday \$17.75 per hundred was paid for lambs, the following day \$18.25 was

| TORONTO (Union Stock Yards) | | | | | MONTREAL (Pt. St. Charles) | | | | |
|-----------------------------|-------|------------|------------------------|-----------|----------------------------|------------|------------------------|-----------|--|
| CLASSIFICATION | No. | Avg. Price | Price Range Bulk Sales | Top Price | No. | Avg. Price | Price Range Bulk Sales | Top Price | |
| STEERS | | | | | | | | | |
| heavy finished | 210 | \$15.00 | \$14.50-\$15.50 | \$16.00 | | | | | |
| STEERS good | 266 | 14.33 | 13.75-14.75 | 15.00 | 18 | \$11.50 | \$11.00-12.50 | \$12.50 | |
| 1,000-1,200 common | 91 | 12.27 | 11.75-12.75 | 13.25 | | | | | |
| STEERS good | 681 | 12.38 | 11.75-12.75 | 13.40 | 85 | 11.10 | 10.50-11.25 | 12.50 | |
| 700-1,000 common | 897 | 9.93 | 8.75-10.50 | 10.75 | 198 | 9.50 | 9.00-10.50 | 10.50 | |
| HEIFERS good | 439 | 12.50 | 12.00-13.00 | 13.50 | 6 | 10.50 | 10.00-10.75 | 10.75 | |
| fair | 324 | 10.25 | 9.75-10.75 | 10.75 | 49 | 9.00 | 8.50-9.50 | 9.50 | |
| common | 129 | 8.93 | 8.00-9.50 | 9.50 | 124 | 8.25 | 7.50-8.50 | 8.50 | |
| COWS good | 500 | 9.75 | 9.00-10.25 | 10.75 | 40 | 10.00 | 9.50-10.50 | 10.75 | |
| common | 1,058 | 7.75 | 7.00-8.25 | 8.75 | 222 | 8.00 | 7.50-9.00 | 9.50 | |
| BULLS good | 49 | 9.75 | 9.00-10.25 | 10.75 | | | | | |
| common | 350 | 8.04 | 7.25-9.00 | 9.50 | 664 | 7.50 | 7.00-8.00 | 8.75 | |
| CANNERS & CUTTERS | 258 | 6.00 | 5.75-6.50 | 6.75 | 96 | 5.75 | 5.00-6.75 | 6.75 | |
| OXEN | | | | | 9 | 11.00 | 8.50-11.25 | 11.25 | |
| CALVES veal | 857 | 14.54 | 14.00-16.00 | 17.75 | 216 | 12.00 | 10.00-15.00 | 15.00 | |
| grass | | | | | 444 | 7.50 | 6.50-8.00 | 8.00 | |
| STOCKERS good | 564 | 9.76 | 9.00-10.25 | 10.25 | | | | | |
| 450-800 fair | 748 | 8.03 | 7.50-9.00 | 9.50 | | | | | |
| FEEDERS good | 159 | 10.83 | 10.50-11.50 | 11.50 | | | | | |
| 800-1,000 fair | 165 | 10.32 | 10.00-10.75 | 10.75 | | | | | |
| HOGS selects | 3,679 | 19.56 | 19.50-19.75 | 19.75 | 1,512 | 20.00 | 20.00- | 20.00 | |
| heavy | | | | | | | | | |
| (fed and watered) lights | 135 | 18.00 | 17.50-18.50 | 18.50 | 402 | 19.50 | 19.50- | 19.50 | |
| sows | 160 | 17.15 | 16.50-18.00 | 18.00 | 78 | 17.00 | 17.00- | 17.00 | |
| stags | 3 | 14.50 | 14.50- | 14.50 | 6 | 16.00 | 16.00- | 16.00 | |
| LAMBS good | 4,338 | 18.09 | 17.00-18.50 | 18.65 | 716 | 17.10 | 17.00-17.25 | 17.25 | |
| common | 287 | 15.80 | 15.00-16.50 | 16.50 | 728 | 16.50 | 16.00-16.75 | 16.75 | |
| SHEEP heavy | 58 | 11.81 | 11.00-13.00 | 13.00 | | | | | |
| light | 193 | 14.22 | 13.00-15.00 | 15.50 | 58 | 13.00 | 12.00-13.50 | 13.50 | |
| common | 87 | 9.96 | 9.00-11.00 | 11.00 | 52 | 11.50 | 10.00-12.00 | 12.00 | |

realized on a few head, while on Wednesday \$18.65 was the top. The market closed steady at the new level on Thursday. Hog quotations remained stationary, buyers for the packing houses being unwilling to pay above \$19.50 per hundred for selects, although a few loads were sold to local butchers at \$19.75. Sales are being made on an "f. o. b." basis at \$19 and \$19.25 and this method of selling is at present apparently proving more remunerative to the drover than selling fed and watered.

Of the disposition from the Yards for the week ending September 5, Canadian packing houses purchased 417 calves, 5,084 butcher cattle, 3,309 hogs and 2,243 sheep. Local butchers purchased 297 calves, 175 butcher cattle, 309 hogs and 753 lambs. Canadian shipments consisted of 43 calves, 28 milch cows, 592 stockers, 331 feeders, 3 hogs, 113 sheep and 361 lambs. Shipments to United States' points were made up of 177 calves, 117 butcher cattle, 123 stockers and 495 feeders.

The total receipts from January 1 to September 5, inclusive, were 173,909 cattle, 44,041 calves, 235,021 hogs and 42,129 sheep; compared with 171,620 cattle, 36,364 calves, 321,762 hogs and 42,510 sheep, received during the corresponding period of 1917.

Montreal.

Under a strong demand for cattle of all grades, the market was active throughout the week and all offerings were readily taken up at prices, in most cases, from 25 to 50 cents per hundred higher than those prevailing during the previous week. The advance in the market was not due, however, to any improvement in the quality of the stock offered. With the exception of two steers averaging about twelve hundred and fifty pounds, four oxen aggregating sixty-three hundred pounds and a few heavy bulls, there were very few animals of good killing weights on hand. During the week, fourteen steers averaging ten hundred and ninety pounds were weighed up at \$11 per hundred, while twenty-one mixed steers and heifers averaging less than eight hundred and fifty pounds sold at \$9. Four oxen averaging fifteen hundred and seventy-five pounds went to the scales at \$11.25. Most of the steers offered weighed around nine hundred pounds and sold at from \$10 to \$10.50 per hundred. Small heifers, fairly fat, ranging from seven hundred and fifty to eight hundred and fifty pounds sold from \$8.25 to \$9. The market for cows was strengthened by the presence of outside buyers and prices for medium quality cows of good weights, were from 25 to 50 cents advanced over

those of the previous two weeks. Calves sold at \$15 per hundred for those of good veal quality, while grass calves of very poor quality sold down to \$6.50.

Lamb values weakened by 25 cents during the week, declining to \$17 per hundred. Sheep remained steady at about last week's price level. No inquiry was made on United States' account.

Hogs sold at \$20.25 per hundred, off cars, for selects. Owing to the large percentage of light hogs in the weekly offerings, buyers for the packing houses have decided to purchase hogs of this grading on a basis of 50 cents below the price for selects. If this measure fails to curtail the receipts of light hogs, the buyers state that further cuts may be expected. It is also the intention to cut the price on sows \$3 per hundred and \$4 per hundred on stags.

Pt. St. Charles.—Of the disposition from the Yards for the week ending September 5, Canadian packing houses and local butchers purchases 393 calves, 72 cannors and cutters, 512 bulls, 920 butcher cattle, 1,835 hogs and 764 lambs. Canadian shipments were made up of 6 milch cows. Shipments to United States' points consisted of 260 calves and 487 lambs.

The total receipts from January 1 to September 5, inclusive, were: 29,501

Markets

Agriculture, Live
Intelligence Division

Good Calves

| Name | Week |
|--------|---------|
| Ending | Sept. 5 |
| 1917 | \$17.50 |
| 15.50 | 15.00 |
| 15.00 | 15.00 |
| 13.00 | 13.00 |
| 9.00 | 8.50 |

Good Lambs

| Name | Week |
|--------|---------|
| Ending | Sept. 5 |
| 1917 | \$17.75 |
| 14.50 | 17.00 |
| 14.50 | 17.00 |
| 13.00 | 16.50 |
| 12.50 | 14.00 |
| 12.00 | 12.50 |

Top Price

2.50.....\$12.50

1.25.....12.50

0.50.....10.50

0.75.....10.75

9.50.....9.50

8.50.....8.50

0.50.....10.75

9.00.....9.50

8.00.....8.75

6.75.....6.75

1.25.....11.25

5.00.....15.00

8.00.....8.00

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cattle, 53,263 calves, 45,370 hogs and 22,641 sheep; compared with 27,603 cattle, 44,911 calves, 60,764 hogs and 22,425 sheep, received during the corresponding period of 1917.

EAST END.—Of the disposition from the Yards for the week ending September 5, Canadian packing houses and local butchers purchased 573 calves, 1,376 butcher cattle, 1,835 hogs and 1,478 lambs. Shipments to United States' points consisted of 76 calves and 102 lambs.

The total receipts from January 1 to September 6, inclusive, were: 26,735 cattle, 39,553 calves, 29,089 hogs and 16,641 sheep; compared with 30,674 cattle, 35,150 calves, 32,728 hogs and 14,906 sheep, received during the corresponding period of 1917.

Buffalo.

Cattle.—Cattle trade ruled generally higher at Buffalo last week, with receipts rather liberal and including around a hundred cars of Canadians. Best shipping steers offered were out of Canada and ranged from \$16 to \$16.25. These steers sold generally a quarter higher than for the previous week, while an advance of 25 to 35 cents was noted on the better grades of fat butchering cattle. Bulls were given a full half dollar advance on the stocker and sausage grades, the heavy, choice butchering grades remaining about steady. Stockers and feeders, in sympathy with the advance noted on fat cattle, sold generally a quarter higher. Fresh cows and springers ruled about steady. Offerings for the week totaled 6,875 head, as against 5,250 for the previous week, and as compared with 6,125 head for the corresponding week a year ago. Quotations:

Shipping Steers, Natives.—Choice to prime, \$17.50 to \$18; fair to good, \$16.75 to \$17; plain and medium, \$13.25 to \$14; coarse and common, \$11 to \$12. Shipping Steers, Canadians.—Best heavy, \$16.25 to \$17.25; fair to good, \$15 to \$16; common and plain, \$11 to \$12. Butchering Steers.—Choice heavy, \$16 to \$16.50; fair to good, \$14.50 to \$15.50; best handy, \$14 to \$15; fair to good, \$12 to \$13.50; light and common, \$9 to \$10; yearlings, choice to prime, \$16 to \$16.50; fair to good, \$13 to \$15.

Cows and Heifers.—Best heavy heifers, \$13 to \$14; fair to good, \$11.25 to \$12; good butchering heifers, \$11.65 to \$12; fair butchering heifers, \$10 to \$10.50; Light, common, \$8.50 to \$9.50; very fancy fat cows, \$11.50 to \$13; best heavy fat cows, \$9.50 to \$10.50; good butchering cows, \$8.25 to \$9; medium to fair, \$7.50 to \$8; cutters, \$6.75 to \$7; Canners, \$5 to \$6.50.

Bulls.—Best heavy, \$10.50 to \$11.50; good butchering, \$10.50 to \$11; sausage, \$9.50 to \$10; light bulls, \$7.50 to \$9; oxen, \$9 to \$12.

Stockers and Feeders.—Best feeders, \$9.50 to \$10.50; common to fair, \$8 to \$9; best stockers, \$8.75 to \$9.25; fair to good, \$8.25 to \$8.75; common, \$7 to \$8.

Milchers and Springers.—Good to best, small lots, \$100 to \$135; in carloads, \$90 to \$100; medium to fair, small lots, \$80 to \$85; in carloads, \$70 to \$75; common, \$50 to \$55.

Hogs.—Prices jumped to the highest level in the history of the Buffalo yards last week. Monday heavy hogs ranged from \$20.80 to \$21.00, latter figure took most of the handier kinds, few selling late at \$21.10, and pigs and lights ranged

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from \$20.75 to \$21. Tuesday's market was steady to a dime higher; Wednesday prices jumped to \$21.35, and Thursday, which was the high day, heavies sold from \$21.25 to \$21.40, and Yorkers and mixed grades reached up to \$21.50, and pigs landed at \$20.75. Friday heavy hogs were held steady, selling at \$21.25 and \$21.35, lights and pigs brought from \$20.75 to \$21, and Yorkers and mixed grades, which were off 10 to 15 cents, moved generally at \$21.35. Roughs showed a spread of from \$17.75 to \$18.25, and pigs went from \$15.50 down. The past week's receipts totaled 20,600 head, being against 14,659 head for the week before and 15,000 head for the same week a year ago.

Sheep and Lambs.—Lamb market showed improvement from day to day last week and sheep ruled about steady. Monday top lambs moved mostly at \$17.75, few made \$18, and a couple of bunches that were fancy reached \$18.35 to \$18.50. Culls ranged from \$15 down, skips going as low as \$10. Tuesday the range in prices was little changed from Monday; Wednesday more lambs sold at \$18 in proportion to the receipts than the previous two days; Thursday bulk of the tops landed at \$18.25, few \$18.50, and Friday's range on the best was from \$18.50 to \$18.75, not many bringing above \$18.60. Best cull lambs the latter part of the week ranged up to \$16. Choice wether sheep were quoted from \$13.50 to \$13.75; best yearling wethers, \$14.50 to \$15, and while breeding ewes reached \$13 and \$13.50, killing ewes sold downward from \$12.50. Cull sheep ranged from \$6 to \$8. The past week's receipts totaled 8,500 head, as compared with 8,082 head for the week before, and 9,300 head for the same week a year ago.

Calves.—Demand the fore part of last week, on account of Jewish holidays, was light, and as a result prices were on the decline. Monday the best veals sold generally at \$20, few \$20.50; Tuesday prices were off a dollar, and Wednesday the market showed a further decline of 50 cents, top being \$19, with majority going at \$18.50. Thursday the trade was a little better, bulk going at \$19, and Friday the market again ruled in favor of the selling side, best lots being landed at \$19.50 and \$19.75. Cull grades ranged from \$17 down and heavy calves, which were a drug on the market, showed a drop of as much as \$4.00 per cwt., from the high time of the week previous. For the past week offerings totaled 2,700 head, as compared with 2,591 head for the week preceding, and 2,000 head for the same week a year ago.

Toronto Produce.

Live stock receipts at Union Stock Yards, West Toronto, on Monday, September 16, consisted of 310 cars, 6,197 cattle, 372 calves, 471 hogs, 2,732 sheep and lambs. Quality of cattle very common; top price heavy steers \$15.25. Good butcher cattle of all classes and canners steady; medium butchers 15 to 25 cents lower. Bulls strong; calves and sheep steady. Lambs \$16.50 to \$17.25. Hogs steady.

Breadstuffs.

Wheat.—Ontario, No. 2, winter per car lot, \$2.31; No. 3, winter, per car lot, \$2.27; No. 2 spring, \$2.26; No. 3, spring, \$2.22; (basis in store Montreal). Manitoba wheat, in store Ft. William—not including tax)—No. 1 northern, \$2.24½;

No. 2 northern, \$2.21½; No. 3 northern, \$2.17½; No. 4 wheat, \$2.11½.

Oats.—(According to freights outside) (new crop), Ontario, No. 2 white, 76c. to 78c.; No. 3 white, 75c. to 77c.; Manitoba oats, No. 2, C. W., 85½c.

Barley.—New crop, \$1.04 to \$1.06. Peas.—According to freights outside, No. 2, nominal.

Corn.—American (track, Toronto), No. 3 yellow kiln dried, nominal; No. 4 yellow, kiln dried, nominal.

Rye.—No. 2, nominal. Corn.—American (track, Toronto), No. 3 yellow kiln dried, nominal; No. 4 yellow, kiln dried, nominal.

Rye.—No. 2, nominal. Flour.—Manitoba flour, war quality, (old crop), \$11.25. Ontario flour, war quality, (old crop), \$10.85, in bags, Montreal; \$10.85, in bags, Toronto.

Hay and Millfeed.

Hay.—Track, Toronto, No. 1, \$19 to \$20 per ton; mixed, per ton, \$13 to \$19. Straw.—Car lots, per ton, \$9 to \$9.50, track, Toronto.

Bran.—Per ton, \$36.40. Shorts.—Per ton, \$41.40.

Hides and Skins.

Prices delivered, Toronto: City Hides.—City butcher hides, green, flat, 13½c.; calf skins, green, flat, 30c.; veal kip, 22c.; horse hides, city take-off, \$6 to \$7; sheep, \$3.50 to \$5.50.

Country Markets.—Beef hides, flat, cured, 15c. to 17c.; green, 12c. to 13c.; deacons or bob calf, \$2.25 to \$2.75 each; horse hides, country take-off, No. 1, \$6 to \$7; No. 2, \$5 to \$6; No. 1 sheep skins, \$2.50 to \$5; horse hair, farmers' stock \$25.

Tallow.—City rendered, solids, in barrels, 16c. to 17c.; country solids, in barrels, No. 1, 15c. to 16c.; cakes, No. 1, 18c. to 19c.

Wool.—Unwashed fleece wool, as to quality, fine, 60c. to 65c., washed wool, fine, 80c. to 90c.

Farm Produce.

Butter.—All classes of butter again firmed slightly during the past week, selling as follows, wholesale: Creamery, fresh-made, pound squares, at 47c. to 48c. per lb.; creamery solids, at 45c. to 46c. per lb.; dairy, 43c. to 44c. per lb.

Oleomargarine.—32c. to 33c. per lb. Eggs.—Eggs also advanced in price, wholesale, selling as follows: No. 1's selling at 49 cents per dozen; and selects at 53c. per dozen.

Cheese.—Cheese sold at unchanged prices during the past week: Old and new cheese selling at 25c. per lb., wholesale, and twins at 25½c. per lb.

Honey.—Five, 10 and 60-lb. pails, per lb., 28c. to 27c. Comb, per dozen, \$3.75 to \$4.50.

Poultry.—Receipts were heavy and prices considerably lower on all lines of poultry, the following being paid for live-weight to the producer: Spring chickens, 30c. per lb.; roosters, 20c. per lb.; fowl, 4 lbs. and under, 23c. per lb.; over 4 lbs., 28c. per lb.; ducklings, per lb., 22c.; turkeys, per lb., 30c.; turkeys, old, per lb., 25c.

Wholesale Fruits and Vegetables.

Receipts have been fairly heavy on the wholesale fruit market during the past week, but as the demand was much better than a week ago, trade has been active, with choice quality fruits commanding higher prices. Cantaloupes being one

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exception, as they were not wanted, and because a slow sale at lower prices. Corn was also difficult to sell at any price and green peppers declined.

Apples.—The demand was not very keen and prices were slightly lower. Western boxed varieties selling at \$3 to \$3.25 per box; home-grown at 25c. to 60c. per 11-qt. basket. Duchess at \$3.50 to \$4.50 per barrel.

Cantaloupes.—Salmon flesh brought from 50c. to 60c. per 11-qt. basket; \$1 to \$1.25 per 16-qt. basket; green flesh, 40c. per 11 qts. and 75c. to \$1 per 16 qts.

Blueberries.—Only a limited quantity received of choice quality, selling at \$2 to \$2.50 per 11 qts.

Grapes.—Shipments increasing, selling at 35c. to 45c. per 6-qt. flat basket, 60c. to 75c. per 6-qt. leno and \$1 to \$1.25 per 11-qt. leno.

Lemons have declined: Californias selling at \$8 per case and Verdilis at \$7 per case.

Oranges firmed in price: Valencias selling at \$9.50 to \$10.50 per case.

Peaches were generally of better quality, selling at 40c. to 60c. per 6-qt. flats, 65c. to \$1.15 per 6-qt. lenos and 75c. to \$2 per 11 qts.

Pears.—Some really choice Bartletts were received last week which sold at 75c. to 85c. per 6-qt. leno basket; other grades ranging down to 40c. per 6 qts.

Plums sold at 50c. to 85c. per 6-qt. basket and 90c. to \$1.75 per 11-qt. basket.

Tomatoes firmed in price, selling at 40c. to 50c. per 11-qt. flats, 60c. to 75c. per 11-qt. lenos.

Beans.—Choice quality brought from 60c. to 65c. per 11-qt. basket.

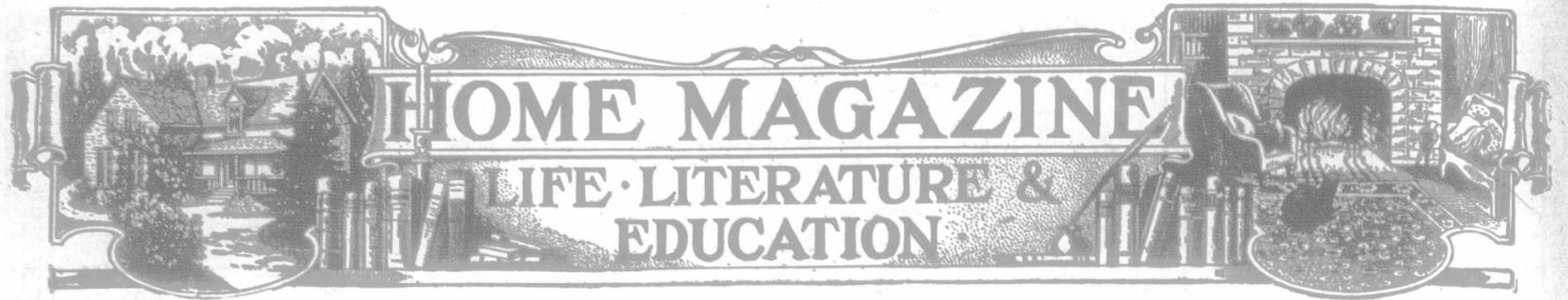
Beets and Carrots kept stationary at \$1.50 per bag.

Cabbage brought 75c. per dozen and \$1.50 per bbl.

Celery continued to have a wide range of prices at 30c. to \$1 per dozen according to quality.

Cucumbers sold at 30c. to 40c. per 11-qt. basket. Medium sized picklers at 50c. to 75c. per 11-qts., while small ones ranged from \$1 to \$2 per 11-qts.

Continued on page 1536.



The Joys of the Road.

Now the joys of the road are chiefly these;
A crimson touch on the hardwood trees;
A vagrant's morning wide and blue,
In early fall, when the wind walks, too;
The sea in the pine-tops murmuring;
Alluring up and enticing down
From rippled water to dappled swamp,
From purple glory to scarlet pomp;
The outward eye, the quiet will,
And the striding heart from hill to hill;
The tempter apple over the fence;
The cobweb bloom on the yellow quince;
The palish asters along the wood,—
A lyric touch of the solitude;
An open hand, an easy shoe,
And a hope to make the day go through—
Another to sleep with, and a third
To wake me up at the voice of a bird,
The resonant far-listening morn,
And the hoarse whisper of the corn;
The crickets mourning their comrades
lost,
In the night's retreat from the gathering
frost;
(Or is it their slogan, plaintive and shrill,
As they beat on their corselets, valiant
still?)
A hunger fit for the kings of the sea,
And a loaf of bread for Dickon and me;
A thirst like that of the Thirsty Sword,
And a jug of cider on the board;
An idle noon, a bubbling spring,
The sea in the pine-tops murmuring;
A scrap of gossip at the ferry;
A comrade neither glum nor merry,
Asking nothing, revealing naught
But minting his words from a fund of
thought.
A keeper of silence eloquent,
Needy, yet royally well content,
Of the mettled breed, yet abhorring strife
And full of the mellow juice of life,
A taster of wine, with an eye for a maid,
Never too bold, and never afraid,
Never heart-whole, never heart-sick,
(These are the things I worship in Dick),
No fidget and no reformer, just
A calm observer of ought and must,
A lover of books, but a reader of man,
No cynic and no charlatan,
Who never defers and never demands,
But, smiling, takes the world in his
hands,—
Seeing it good as when God first saw
And gave it the weight of his will for
law.
And O the joy that is never won,
But follows and follows the journeying
sun,
By marsh and tide, by meadow and
stream,
A will-o'-th-wind, a light-o'-dream,
Delusion a far, delight a near,
From morrow to morrow, from year to
year.
A jack-o'-lantern, a fairy fire,
A dare, a bliss, and a desire!
The racy smell of the forest loam,
When the stealthy, sad-heart leaves go
home;
O leaves, O leaves, I am one with you,
Of the mould and the sun and the wind
and the dew!
The broad gold wake of the afternoon;
The silent flock of the cold new moon;
The sound of the hollow sea's release
From stormy tumult to starry peace;
With only another league to wend;
And two brown arms at the journey's end,
These are the joys of the open road—
For him who travels without a load.
—Bliss Carman.

The Western Fair.

CLEAR, cold weather arrived with the opening of the Western Fair at London, Ont., just the conditions that make for a good crowd, and on the day of our visit to it, Military Day, not only the soldiers were much in evidence but London's citizens, and people from the surrounding county had turned out in godly numbers. Later "the weather" wept for three days,—but better luck next year!

Armed with out intention to seek, not so much information in regard to prize-winners as hints that might help in everyday life, and especially on the farm, we strayed first into the "Palace," which corresponds with the Manufacturers' Building at the big Canadian National Exhibition in Toronto. Here, amid a great display of pianos, victrolas, cement vases, biscuits and what not, two exhibits proved to be, to us at least, of outstanding interest. The first of these was the Hydro-electric display, and the other the work done by returned soldiers.

Hydro power has already reached some of the farms in Canada; when the war is over it will go to many more, and the day cannot come too soon for the farmer's wife, for never was there such a labor-saver as this. Not only does it mean saving of time in cleaning lamp chimneys; it means cooking and heating by pressing a button, washing and wringing the clothes likewise, sweeping the floors and walls, drawing the dust out of the upholstery, heating irons as one uses them, and running a sewing machine without a single movement of the feet. We did not notice an electric churn, but no doubt just as soon as electric power reaches a fair percentage of the farms, one will be available. Indeed, looking at all the interesting things makes one think of the old "Arabian Nights" story of "Aladdin and the Wonderful Lamp." You remember it, don't you?—Of how Aladdin became possessed of a lamp which, when rubbed, summoned at once a spirit or "genius" who hastened at once to do whatever he wanted. Electricity is the Twentieth Century Aladdin's lamp. Among the new things in this department we noticed a small oven, "the Hotpoint Ovenette," for placing over the little grill taster which is to be found nowadays on so many breakfast tables,—the one thing needed to make of it a complete little stove, with but one plate, it is true, yet very useful. There was also a contrivance—very interesting to owners of automobiles,—an electric radiator, or heater, to keep the motor from freezing while in the garage.

In the returned soldiers' department in this building, some very handsome pieces of furniture, plain and carved, were on exhibit, and the lads in charge told us that "the boys" would be very glad to take orders for more. Already some of the trays and work-boxes had been sold, and one hoped the big chest, book-case and grandfather's clock would also find buyers. The work had all been done by soldiers from the Victoria Military Hospital, and had been learned since their return to this country. Among the names on the cards were "Pte. E. S. Goodmand, 518 Egerton St., London, Ont.;" "Sapper T. C. Spencer, 22 Hyla St., London, Ont.;" and "Sgt. Murrell, Stratford, Ont.;"

In a booth in the Women's Building, in charge of patients from the Byron Military Hospital, were baskets, basketry lamps, and embroidery cushion-tops, centerpieces, etc., made by the soldiers at that institution, and also on sale, but we could not see the names on the cards.

Surely it is "up to us" all to encourage these men in their endeavors. True, most of this work has been taught them, not as a permanent means of making a living, but as a curative agent—something to take their minds off themselves and help them, while still unable to do regular work, to come gradually back to

better health and ability to make a living. Nevertheless, "orders" are a great encouragement, and much of the work is really beautiful,—nothing better for Christmas or wedding presents. The carved woodwork may seem dear, but it is "good," fine woods are expensive nowadays, and the work of carving is tedious.

A display of beautiful beadwork, in the Arts Building, also done by a returned soldier, attracted much attention, and, it is to be hoped, "orders" also.

In the Smallman-Ingram clothes display in the "Palace" the same features were noted as at Toronto Exhibition—plain, very attractive suits and coats in rich dark colorings—browns and greens, perhaps, predominating in this selection. The "Hoosier" Cabinets upstairs were very fascinating. Great labor-savers are they to any busy housewife.

The Horticultural Building.

VERY excellent indeed was the display of fruit, vegetables and flowers in this department, quite sustaining the reputation of Western Ontario for being—well, one of the banner spots in the Dominion so far as climate, fertility of soil, and good farming and gardenin go.

While looking at the wonderful vegetables we wondered why, in addition to the things that "everyone grows," more people do not venture upon some of the less common varieties, for instance egg-plant, which can be cooked in so many ways; winter radishes (white, pink and black) so appetizing for winter suppers; yellow tomatoes, which look so pretty when preserved; leeks, health-giving and "tasty;" "cream" vegetable marrow; the delicious "Essex hybrid," "Golden" and green "Hubbard" squashes, good for pies, for sauce (when thinned with cream and flavored with nutmeg) and when used simply as a vegetable; and, last of all, kale, which is not good at all until touched by frost, and may be left standing in the garden until Christmas, being cooked when needed.

In this building were the educative exhibits of the Canada Food Board, with its hints for "Conservation," and of the Dominion Experimental Farm, whose slogan is "Production." A very suggestive placard in this last department was the following, which we hope every farmer or farmer's wife who reads this reminder will act upon:

"THE PUBLICATIONS OF THE DEPARTMENT OF AGRICULTURE, OTTAWA, ARE FOR FREE DISTRIBUTION. HAVE YOUR NAME PLACED ON THE MAILING LIST."

In the Food Board exhibit, by the way, were samples of very appetizing breads in which 20 per cent. of the ingredients was bran, corn, mashed potatoes, oat flour, rye flour and barley flour. Also there were reminders posted up, "lest we forget," that peas, fish, beans, soy beans, cheese and peanut butter are protein foods, just as are meats, and may, therefore, take their place, more or less, as substitutes.

In an annex were the usual fine displays of canned fruit and vegetables sent in by the Women's Institute Branches at Wilton Grove, Hyde Park, Thorndale and Lambeth. Here some new things were canned: celery and Swiss chard, sliced cucumbers (perhaps these were pickled), and green beans cut in pieces.

THE collection of flowers in this building is always most creditable, as is to be expected of a section of the Province in which the Horticultural Society posts conspicuously among its exhibits placards such as this: "These flowers are exhibited by members for educational purposes. Flowers are a necessity to a people. There is a limit to human strength and endurance, and the relaxation that comes to the mind by having flowers in the home garden or hospital is a thing of reality to those who know and love them."

If you love flowers, reader, you will understand that. If you don't love them—there's something wrong with you and you had better find out what it is.

Among the very easily grown flowers of which fine exhibits were shown—flowers that may be in anyone's garden and will flourish with comparatively little attention—were asters, petunias, stocks, marigolds, cornflowers, snap-dragons, everlastings, garden pinks, zinnias, and verbenas. Zinnias used to be stiff and ugly in color; now they have been developed to deep crimson, orange and flame color, very rich and handsome. Petunias, which bloom long like the zinnias, are always lovely, and the big frilly ones especially handsome. African marigolds form a blaze of color in the autumn garden, while verbenas bloom until the snow falls. The cornflowers—blue and purple—are the same as those that bloom among the poppies of France and Flanders.

To this list the grower who becomes interested, yet has not much time to spare, will surely add gaillardia, or blanket-flower, and the pink and mauve "Sweet Sultan" of our grandmothers' gardens.

The connoisseur at the Fair, however, did not pause over long at any of these flowers, but passed on to the wonderful display of hybrid perpetual roses, gladioli and dahlias. Among the gladioli were noted particularly a splendid mauve blotched with purple, called "Blue Jay," a fine yellow, "Schwaben;" a clear white, "Cladys Harkness;" a fine blotched pink, "Mrs. Pendleton;" and "Norfolk," a lovely, large, pinky mauve.

The dahlia exhibit was especially fine. Indeed, every year the "cactus" and "peony" varieties seem to be more beautiful. Among them were noted especially:

"Alderman" (cactus)—yellow with red on back of petals.
"Cambrian" (cactus)—pink shaded to yellow in centre.
"Alabaster" (cactus)—snowy white.
"Geisha superba" (peony)—flame colored.
"Autumn Glow" (cactus)—pure yellow.
"Valiant" (cactus)—red.
"Kalif" (cactus)—brilliant red.
"Marguerite Bouchon" (cactus)—pink, shaded to white and yellow in centre.
"King of Autumn" (peony)—orange, shaded to red,—pronounced last year the "finest dahlia in America."
"Mildred Slocombe"—mauve.
"Attraction"—mauve.

Among new flowers elsewhere—apparently a pot-plant—was a lovely blue daisy named "Agathe celestus." One wondered, also, while looking at them, why more people do not grow fuchsias in the house. Sometimes they are liable to mealy bug, but persistent washing will keep it off.

The Women's Work Annex.

IN the Women's Work Annex, the fancy-work proved to be much the same as that shown at the Toronto Fair and reported already in this paper. Everywhere the emphasis seemed to be placed on white work, with filet crochet leading.

In this department many must have been especially interested in the exhibit of the Canada Rug Co., 98 Carling St., London. This company takes your old carpets, unfit for further "decency" on the floor, and makes of them rugs that are not only durable, but decidedly attractive. In these years of saving this is real conservation work. Nowhere, perhaps, is there a better example of making "old things luik amais as weel's the new,"—to quote from an old song.

The Art Gallery.

THE Western Fair is to be congratulated this year, on its fine collection of paintings. Outstandingly fine were the three given



the place of honor on the west wall: An Italian woman with her baby, by London's famous artist who died so young, Paul Peel; "The Sail Maker," by Harry Britton, of Toronto, an artist who is rapidly coming to the fore with what is known among the artists as "honest," powerful work; an Suzor-Cote's "Youth and Sunlight," a young girl by a lakeside, with the sunlight radiating from her bright face, from the white of her dress, with its pink sash, and from the blue water beyond. Suzor-Cote is a Montreal artist who has made a name for himself by the originality of his subjects and the expression of them.

On this wall also were some radiant landscapes by Mr. Greason, of St. Mary's—poetic, with pure, clear color and the elusive thing called "atmosphere;" a delightful medley of apple-blossoms and children, by Ivan Neilson; a fine view of the lower St. Lawrence, "Beaupre," by McGillivray-Knowles, of Toronto; and a very impressionistic bit of sunlit, autumn woodland, a study in vivid colorings, by L. Fitzgerald.

The eastern wall containing the pictures submitted by the majority of the competitors in art was, as usual, of especial interest to Londoners, the awards this year going as follows: 1, Mr. Greason; 2, Mr. Glen, London; 3, A. M. Fleming, Chatham; 4, Miss Bradshaw, London.

Mr. Greason's pictures have been already mentioned. The best in Mr. Glen's collection were the landscapes, daring and effective in color, expressing light and sunshine. A picture of fishermen at work was the best in A. M. Fleming's collection in oils, but still better, perhaps, was a beautiful and poetic water-color showing water, clouds and mist; evidently water-color is a medium through which Mr. Fleming finds great possibility of expression. Miss Bradshaw's pictures, as usual, were chiefly figure and portrait studies, one of the most difficult—perhaps the most difficult—realm in art. Year after year Miss Bradshaw's work improves in power and confidence.

Elsewhere in our paper, the reports of the poultry, dairy exhibits, etc., will be found.

Through the Eyes of a Canadian Woman in England.

August 5th.

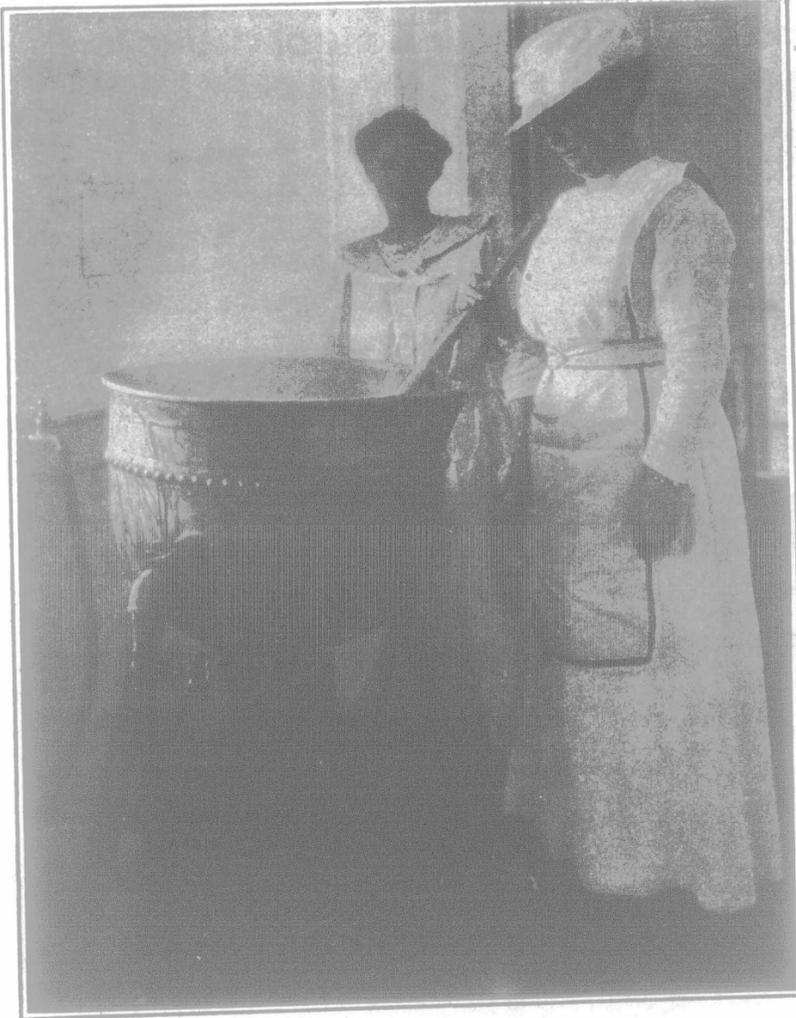
YESTERDAY was the fourth anniversary of the war, and it brought with it great victories for the Allies. Fine sermons were preached, and speeches made by appropriate orators for the occasion, but it is the great inarticulate mass of the people who register anew a vow to see the thing through. A deliberate survey of the nation shows that there never was a more settled purpose than now to carry on to the bitter end. We are getting used to a state of war and we hear less talk of war-weariness than two years ago. We have given thanks that our fighting men are not losing heart, and also because we are so well provided with food and all the necessities of life (thanks to the overseas dominions and our new ally!), that we feel we can hold out for years yet if need be.

This is the great August holiday—not one but three—as it falls on Monday and takes in Saturday and Sunday as well. Ticket queues at the railway stations, where people patiently wait for hours, are the order of the day. Many preferred to stay at home rather than face the pushing crowds and tiresome delays. In this country "first come first served" in shops and elsewhere is more strictly adhered to than anywhere I have been. I am having a very quiet holiday. All the girls except two from Scotland have gone to their various homes. There is a great calm and the quietness is conducive to thinking—not only of the war, but of Canadian friends; but this condition is so unusual here that the sensation it produces is a new one. I have been looking forward to this rest for days and had made some fine plans for personal sewing, but a restlessness has come over me and I find I cannot settle down to anything. Earlier in the day I decided I must have a holiday treat too, so I proceeded to the quiet kitchen—the servants being off for the day—and revelled for a time in the making of some Canadian fudge out of a greatly cherished

parcel of sugar and a small bag of almonds. Now the difficulty is to refrain from eating it all up at once.

From my window I can see the frequently passing trains with their cargo of holiday crowds—standing room only. There is always someone hanging out of the window in English trains. There is a door at each side of every little compartment, the upper part of which is a window. I shall never like English trains. You cannot lean back, but must sit on the edge of the seat—unless you want to crush your hat—as the seat along each side is right against the wall, and you cannot raise your eyes without staring into the face of your neighbor opposite and so near to you that there is always the danger of your feet becoming tangled up with hers. No conversation is possible without everyone in the compartment hearing everything you say. Every hour or so a troop-train goes by to-day—sometimes it is laden with Canadians, and often Americans who seem to be piling in here very fast much to our satisfaction. On some days the railway seems to be given over entirely to troops, and there is always loud cheering and everyone waves them good luck *en pas-*

of tools. A general presenting of souvenirs from the old comrades took place, and then everybody went across to the station to wish them "the best of luck" in the early morning. There is a wonderful spirit among all these girls. From my short experience with English working girls I have formed a high opinion of them. They are good sports, fair with each other, and charitable towards all. They are loyal to those in authority over them, amenable to discipline, and above all patriotic. They stand by each other in trouble with commendable camaraderie. Of course, there are always one or two leading spirits among them to whom all others defer. I have in mind one large and phlegmatic young person with great dreamy brown eyes, who sits at the table and allows all the others to wait upon her. She never carries her own parcels or stoops to anything derogatory to the dignity she assumes. She never does anything for anybody else, but they all seem to vie with each other in showing her attentions. She brings to a head all latent mischief and gives the deciding vote in any dispute that arises. We all wonder why, for there is no apparent reason for this homage. But it is so and will re-



Simcoe County Canning Centre Copper Boiling Kettle. Capacity, 35 gallons.

stant. It is cheerful to think that after four years of war, England can still enjoy holidays. There are at the present more people to whom a holiday is welcome than ever before. Many of us who never knew what it was to really work hard before, look forward to a breathing space in which to give mind and body a rest.

The past week has been a particularly busy one, for besides the regular duties there has been the getting ready, and sending off to France some of our girl-carpenters who are needed there to build portable huts of various kinds. Many more offered than were accepted. They all seem to look upon going to France as the Big Adventure of their lives. They were a cheerful bunch as they departed in the care of the Welfare Superiors who would see them through the passport stage and on board the boat. One of the smartest looking was a young Canadian girl. She had been doing farm work and her hair was cropped. This with her breeches and tunic made her look like a handsome lad of twenty. All they were allowed to take with them was a small suitcase and their neat, brown burlap bag

main so to the end of the chapter. She who demands much in this world usually gets it. She made an effort to obtain special concessions when I was new in office but wisdom seemed given me, for I could not see why she should be favored above others, so did not grant them, and it ended there.

SOME of my days are made up of very small things—but many of them. One day lately I made some Canadian lemon pies for the girls, after carefully counting the cost and finding that they were just as cheap as "jam tarts." To be sure the pastry was dark and would not compare favorably with that of pre-war days, but on the whole they tasted very good and were pronounced by the girls "topping." It was a new dish for them, I have never seen it served in England. I once ordered something called lemon tart at a hotel in London and suffered great disappointment when a thin, white paste appeared with no flavor of lemon whatever. Once before I made lemon pie when expecting a Canadian lad from France to dinner and was so glad I

had thought of it, for he enjoyed it and said, "The first I have tasted since I left home and it is my favorite pie." No one knows but those who have tried it, the trials attendant upon cooking with English utensils. To begin with the cumbersome stoves are set in a recess in the darkest corner of the kitchen, and one can only get at the front of them. The heavy iron saucepans, that bend your wrist every time you lift them, seem to be most generally used. There are no potato-ricers either. I did find a poor, crudely-fashioned substitute for one in a big shop, and when the vegetable, after being with great difficulty squeezed through, went on the table the girls exclaimed "How lovely! How is it done?" I have had many hunts for egg-beaters and have only succeeded in getting a wide spoon—eggs are generally beaten with a fork I am told. Pie-plates of a decent pattern I have ceased to look for, and many times I have expressed my longing for a good Canadian "dipper." I have been compelled to buy a granite pitcher which I have pressed into the service. The oval frying-pans are heavy and have such long handles that they are always in the way. Dishes are still kept on open dressers and the cups hung along the shelves. They look very pretty and quaint, but accumulate all the dust that is flying about. In the kitchens of wealthy homes conditions are somewhat better, but the offices of moderately-sized houses like our hostel are rather primitive. Of course, there is never any ice, and the coolest place in the house—the larder—usually has a tiny window, part of which is covered with wire netting. I think the greatest longing of Canadians over here, until they become accustomed to conditions, is for really cold salads and drinks. As for ices, they are regarded with great suspicion, and most doctors forbid the use of them. When people speak of "dishes," they always mean platters, and little bowls are always "basins," and vice versa. Why do they always say beet-root and not carrot-root and parsnip-root? Nothing must be done in a hurry. I sent my little maid to ascertain the time by a certain clock, and she announced that it was "two minutes past five-and-twenty past three." There was no unbecoming haste about that. Please do not think the above remarks are meant to be critical, but only to note differences. As I said, nothing must be done in a hurry—which explains in a great measure the necessity for so many servants, and I fear mine often think I am very impatient. Although war-time, it is a common thing to see an advertisement like this: "Wanted—between-maid—twelve servants kept. Two in family," or "underhousemaid of five, for lady living alone." Some days it is rather tiresome, when there is special work to be done, to have everything stop short for tea at four-thirty—after the hearty dinner at one o'clock. In the kitchen as elsewhere it is the social hour of the day and it must go on though the heavens fall. I heard a Canadian woman refer to it recently as "the sacred rite." With the tea, bread and jam have been served from time immemorial, so one can readily understand how great the deprivation is now for many people when the latter is so scarce and high priced. But we expect to see more jam soon as the new supply, of which the Government has entire control, will be coming in. I saw some little green apples at a shilling a pound at the green-grocers and decided that there must be no apple pie for the present. Our two greatest joys just now are the abundant supply of vegetables, and the new order that bacon can be bought without coupons—but alas, at two and four a pound!

We can afford now to speak lightly of Zeppelins. After a long cessation from them, a raid was attempted this week, but before they ever reached the coast they were attacked by our air force working with the navy. One was shot down, another damaged, and the rest compelled to beat a hasty retreat. If the enemy hoped our vigilance had ceased, they do not know the British yet. Before retiring every night I look out to see the long lines of search lights like rainbows, searching the skies, and go to my rest feeling secure that England is watching. Often Whit-tier's well-remembered lines come to me:

"I know not where His islands lift
Their fringed palms in air,
I only know I cannot drift
Beyond His love and care."

SIBYL.

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Hope's Quiet Hour.

Take Heed What Ye Hear.

He said unto them, Take heed what ye hear: with what measure ye mete, it shall be measured to you: and unto you that hear shall more be given.—S. Mark 4:24

This morning I received a letter from a friend who has been staying in that earthly Salem which I described to you a short time ago. She told me that they had been having a wonderful "Retreat" of three days, held by Bishop Osborne. He said his subject was "Knowing Jesus", and that they were not met together to hear him tell "of Jesus", but that they should use the opportunity of personal intercourse with the Living Jesus and listen to Him speaking to their souls.

Those words made me think of R. H. Benson's poem called "After a Retreat".

"What hast thou learnt to-day?
Hast thou sounded awful mysteries,
Hast pierced the veiled skies,
Climbed to the feet of God,
Trodden where saints have trod,
Fathomed the heights above?
Nay,
This only have I learnt, that God is Love.

"What hast thou heard to-day?
Hast heard the Angel-trumpets cry,
And rippling harps reply;
Heard from the Throne of flame
Whence God incarnate came
Some thund'rous message roll?
Nay,
This have I heard, His voice within my soul".

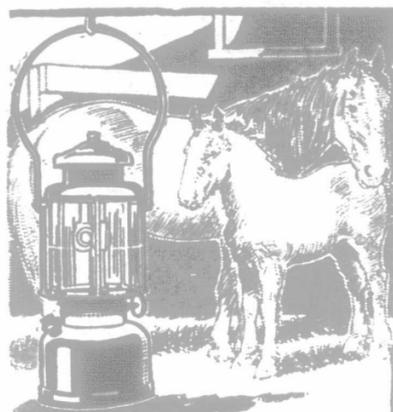
What greater message could we hear than that? And yet we listen eagerly to the words of men and often shut our ears to the still small voice. We feel it a great privilege to have the opportunity of hearing some famous preacher while we are much too busy to listen to Him who spake as no other man spake and who is still speaking through the Holy Spirit to all who will listen.

"Take heed what he hear" He said to the crowds of people who pressed upon Him so eagerly that He had to enter into a boat and use it as a pulpit. Then He went on to explain why it is so necessary to be careful what we hear. It is not only because we shall receive more and more of the knowledge we take the trouble to seek—whether it be the knowledge of good or of evil—but also he said the words we hear are living seeds hidden for a time in the dark ground. But secretly and silently as the days and nights pass away those seeds bring forth fruit "first the blade then the ear after that the full corn in the ear." (See the verses which follow our text.)

Words are like seeds planted in the ground of the heart. They seem to make no impression perhaps but some seeds germinate slowly. Take heed what ye hear! You may read a debasing book watch a play which is degrading to your higher instincts or listen to an unclean story; and you may say to yourself that it has gone in at one ear and out of the other and will do you no harm. You can't see the harm—as yet. But the seed has been planted and it will spring and grow up while you "sleep and rise night and day" forgetful of it entirely. More than that you will be a little more willing next time to listen to the same kind of words "unto you that hear shall more be given. For he that hath to him shall be given; and he that hath not from him shall be taken even that which he hath."

We are responsible in a very large degree for our likings because we form our tastes by our daily actions. The other day I had tea with some people who have just returned from a two years' stay in England. They used to like sugar in their tea now they don't. Why? Because they have not had it for many months.

One person cares only for trashy literature while another reads—and enjoys—the best books he can find. But if the habits of the two people are reversed the tastes will become reversed too. Take heed how you lightly waste precious hours in reading silly or impure books, for little by little you will lose your faculty for digesting wholesome soul-food. If you starve your soul by feeding it trash whose fault is it? The soul is like the body and depends on the food it



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Quiet

at Ye Hear.

Take heed what measure ye mete, it shall be given.—S. Mark

I received a letter from a man staying in that described to you told me that they wonderful "Retreat" Bishop Osborne. "Knowing Jesus" not met together us", but that they unity of personal Living Jesus and to their souls. He think of R. H. After a Retreat"

to-day? ful mysteries, skies, God, ave trod, above?

that God is Love.

to-day? trumpets cry, y; of flame came eye roll?

within my soul".

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hear" He said who pressed upon had to enter into pulpit. Then He is so necessary ar. It is not only e more and more ke the trouble to ne knowledge of so he said the seeds hidden for nd. But secretly s and nights pass ing forth fruit ne ear after that " (See the verses

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only for trashy r reads—and ene can find. But o people are re-become reversed ou lightly waste g silly or impure you will lose your esome soul-food. ul by feeding it The soul is like on the food it

assimilates; and like the body it may lose the power of digesting wholesome food. It is a sin to wilfully throw away God's good gift of bodily health but it is a crime to slowly poison the soul. It is not only suicide but murder for we are our brothers' keepers. If God gives you the opportunity to help another soul and you lose that opportunity because you have undermined your own spiritual strength by refusing good and choosing evil, much of the responsibility for his failure must rest upon you.

But there is the other side to cheer us up—the parable is a promise as well as a warning. When you have read, learned and inwardly digested living seeds of truth and purity you will be able to help others also. You do not gather for yourself only. Knowledge must not be hoarded any more than gold.

I wonder how many hundred books I have read for your sake. If you saw my very untidy note-books in which I have jotted down notes from many kinds of volumes you would see that I have been very careful what I heard and read. If I dared to read books which soiled my own soul I should run a terrible risk of soiling the souls of many unknown readers. Therefore I must take heed what I hear—and so must you. We none of us live to ourselves and it is a duty, as well as a glad privilege to comfort others with the comfort wherewith God has comforted us—and "comfort" means "strength".

Plant good seeds in your own heart and, in due season, you will be able to cheer and help other troubled or tempted souls. Don't be in too great a hurry to tell all you know.

"Rare seeds of precious truth I've found!" I cried, "Now let me scatter them right speedily!" "Wait, friend," the warning, inner voice replied, "Until their fruits in thine own field we see!"

Substitute economy for waste. Use only such foods as contain the greatest amount of nourishment, with the least possible waste. No food meets these requirements more perfectly than **BOVRIL**

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Auto Knitter Hosiery (Can.) Co., Limited, Dept 3028 607 College St., Toronto.

It is better to wait God's time than to rush ahead without orders. He does not call all His children to be preachers, but we are all called to be humble learners, and some day we may be pupil-teachers.

We can't live and grow without food. Of course we are all well aware that the body will grow weak and die unless food is supplied; and the mind and spirit are just as dependent on mutual and spiritual food. I read once (yes, this story is in one of my note-books) about a German lad, called Casper Hauser, who was kept in a dungeon from early childhood, in absolute solitude, without a glimpse of men animals, sky or any other objects. The story goes that in 1828, when he was about 17 years old, he was taken out and turned adrift in the streets of Nuremberg. "His mental state was little more advanced than that of a few-months-old baby. That was a cruel and wicked experiment, but it shows that the mind is absolutely dependent upon mental food.

Dare we starve the most precious part of ourselves—our souls? Let us take heed to listen humbly and attentively to the Great Leader, who is even now speaking to you and to me. I can only tell you what He has taught me; why should you try to get His lessons secondhand, when He wants to speak to you Himself and is only waiting until you are ready to listen. To-day—Now—You are invited to a Retreat with the Teacher of teachers. Don't lose this priceless opportunity.

"What has thou felt to-day? The pinions of the Angel-guide That standeth at thy side, In rapturous ardours beat, Glowing, from head to feet, In ecstasy divine?"

Nay, This only have I felt, Christ's hand in mine."

I will stand aside and leave you alone with Him. DORA FARNCOMB.

Are you missing any of the new uses for Gold Dust?



Fresh, sweet dish towels

After one or two dishwashing sessions your towels refuse to respond—no matter how careful you are of them, no matter how clean you wash your dishes. What is the matter? Grease. You can't feel it or see it, but it is there in the towel. A gentle effective grease dissolvent like Gold Dust takes hold of this trouble. A tablespoonful to a dishpan of water, a moment's swishing up and down, and out come your towels spotless and greaseless.



Save your rugs and carpets

You will find that the brush in your carpet sweeper picks up more than threads and dust. If you run your hand over it, it feels actually greasy. Gold Dust will quickly free it from dust and grease. Dissolve a tablespoonful of Gold Dust in half a pail of hot water. Whisk the brush in the water, rinse in clear water and dry quickly. Your rugs and carpets will then keep their fresh, new look.



A modern idea in dishwashing

If you want to get rid of drying your dishes with a towel, try this: Use a tablespoonful of Gold Dust to a dishpan of water, wash all dishes of one kind together, scald with boiling water in a wire dish drainer. It is because Gold Dust so thoroughly dissolves the grease that the dishes come out so clean and sparkling.



How to clean your meat chopper

If you've had trouble cleaning this useful kitchen helper, try a tablespoonful of Gold Dust in a dishpan of hot water. See how quickly and thoroughly Gold Dust dissolves the grease—how fresh and sweet it leaves your chopper. On baking day, too, Gold Dust makes a quick "clean-up" of bread mixer, pans, rolling pin, spoons and all cooking utensils.

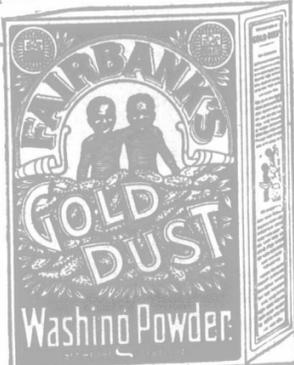
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No. 555 & 554

A Typical Bargain. Just to show the values offered in this new 1918-19 catalogue we have selected this smart snug-wearing stole and muff—Natural Wolf. Stole is full animal size, with head, tail and paws. Muff is in the animal round style. Has ring wrist cord. Both are lined with good quality silk. You can have either the muff (No. 554), or the stole (No. 555) for the amazingly low price of **\$9.50**. You can order from this advertisement.

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Muffs (in various pelts) 6.75 to 165.00
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During the week I received several packages of papers for the shut-in, and five dollars for the needy from Mrs. Wm. J., Perth, Ont.
DORA FARNCOMP,
6 West Ave., Toronto.

Current Events

Boil your sealer rings before using them. Phenol, has been found on some shipments, evidently the work of the Hun.

Fuel Controller Magrath appeals to the public to stop all unnecessary use of motor cars. There is a scarcity of gasoline, and much is needed in winning the war.

Hon. A. G. MacKay, former Liberal leader in Ontario, has been taken into the Alberta Cabinet as Minister of Municipalities and Public Health.

Stefansson's Geological Survey ship, "Polar Bear," has arrived safely at Nome, Alaska.

After Dec. 1st the manufacture of beer in the United States will be prohibited—to conserve sugar and grain. Last year in the U. S. 64,000,000 lbs. of sugar were used in making this liquor alone.

It is reported that the ex-Czarina and her daughters have been murdered by the Bolsheviks. Thus the whole Romanoff family has been exterminated.

Still the Allies go on their victorious way. On September 12 Gen. Pershing's dashing Americans, supported by French and Americans on the west of the ground attacked, succeeded in taking the whole of the St. Mihiel salient, and at time of going to press are on the border of Germany. "German" Lorraine, with the city of Metz and the rich mining and smelting region about will now, probably, be the next point of attack. In the meantime five French armies, under Debeney, Humbert, Mangin, De Goutte and Berthelot,—all under immediate command of Fayolle, and, back of him, of Petain and Foch—have been converging towards the important height and forest of St. Gobain; British (Third Army, under Byng) and New Zealand troops have been gaining ground southwest of Cambrai; British and French troops have been co-operating in the movement towards St. Quentin and Armentieres; and the British Second Army

under Gen. Plumer is preparing for a great offensive in the vicinity of Lille. Everywhere magnificent work is being done, but the war will not end to-morrow. Along the Hindenburg line, except where it was smashed by the Canadians and at one or two other points, the German resistance is stiffening, and it is asserted that this line is but the beginning of a series of similar fortifications. Nevertheless the German morale is breaking. Over 15,000 prisoners were taken by the Americans in their advance beyond St. Mihiel, which gained also control of the important railway running from Verdun to Toul and Nancy. American troops have been landed at Archangel to reinforce the Allied army already guarding the far north. Russia, meantime, is in a terrible state of confusion and anarchy, Moscow and Petrograd being given over, it is asserted, to an orgy of burning, plunder and murder.

**TEN
(OF MANY)
CASE
Better
ments**

1 Weighs only 3400 pounds, little more than a team of horses. Low and compact with short wheelbase. Turns in 22 ft. circle. Stays on all fours.

2 Rated 10 H. P. on drawbar, but develops nearly 14 H. P. Rated 18 H. P. on the belt but delivers about 24 H. P. This insures abundant reserve power.

3 Four cylinder Case valve-in-head motor. Removable head. Motor is set crosswise on frame, affording use of all straight spur gears. This conserves power.

4 Belt pulley mounted on the engine crank shaft. No gears used to drive it. Pulley is part of the tractor, not an extra-cost accessory.

5 All traction gears are cut steel, enclosed and running in oil. No bevel gears, chain, worm or friction drive parts.

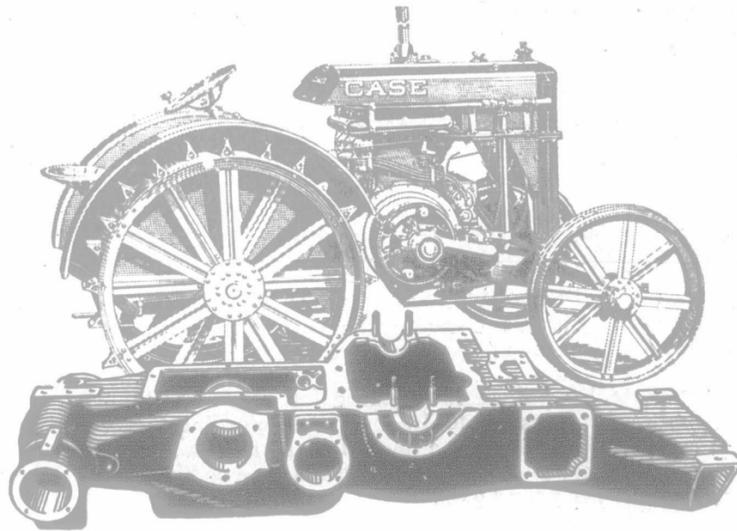
6 Case-Syphon Thermostat controls cooling system and insures complete combustion of kerosene in the motor. Prevents raw fuel from passing by pistons and diluting oil in the crank case.

7 Case air washer delivers clean air to carburetor. No grit nor dust gets into cylinders to minimize their efficiency and shorten their life.

8 All interior motor parts lubricated by a combination pump and splash system. Speed governor, fan drive and magneto are dust proof and well oiled.

9 Complete accessibility. No dismantling necessary. Removable covers permit you to get at parts quickly.

10 Hyatt Roller Bearings in rear axle, bull pinion shaft and transmission case. Kingston ignition and carburetor. Five-piece radiator with a cast frame. Core is copper. Fin and tube non-clogging type.



**This One-Piece Main Frame
Reduces Vibration—Prevents Disalignment.**

Here we picture a new tractor achievement—the frame of a Case 10-18. It is the fore-runner of new-day ideas in designing.

Note that this casting constitutes a dust-proof housing for the rear axle, bull pinion shaft, transmission shafts and the bearings for these parts. It also provides a base for the motor, which sets cross-wise.

This type of frame construction brings rigidity unattainable in a fabricated frame. It insures constant alignment of bearings, shafts and gears. Owners avoid gear troubles. Thus we prevent power losses.

And we multiply strength while reducing weight.

This one-piece frame is one of the greatest advancements in tractor history. It was inevitable. Others are bound to follow. But Case is in the lead. Case offers you now, today, what later on will be adopted generally.

This is only one of many betterments, some of which are itemized at the left. Do you know of any tractor offering all these superiorities?

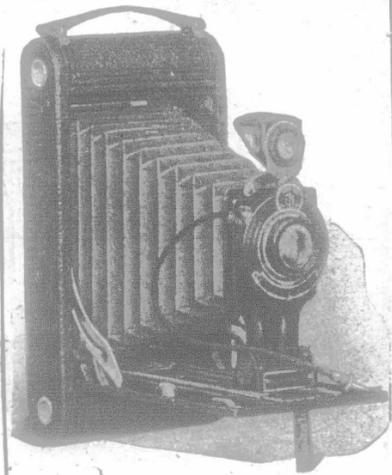
A complete description of the Case 10-18, with illustrations and specifications, will be mailed upon request. Write for it today. Or visit a Case dealer.

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(781)

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Pictures of family and friends, of neighborhood gatherings, of beautiful scenery—each negative dated and titled at the time of exposure—that's pleasure.

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With Meniscus Achromatic lens, \$17.50
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Used only four months. Cost \$175.00. Yours at \$125.00. Herd dispersed on account of ill health. First check gets it. One-horse power engine runs it. O. L. JORDAN, R. R. 2, SARNIA, ONT

Please mention this paper

The Dollar Chain

For the soldiers and all who are suffering because of the war.

Contributions from Sept. 7 to Sept. 13: "Toronto," \$2.00; "Scotia," London, Ont., \$1.00.

Previously acknowledged \$5,597.00

Total to Sept. 13 \$5,600.00

A contribution of \$7.00, to be given to the Navy League, for the Sailors, was also handed in at this office by Jas. Torrance, R. 4, London, Ont.

Kindly address contributions to "The Farmer's Advocate and Home Magazine," London, Ont.

WHILE OUR SOLDIERS ARE SUFFERING AND DYING IN EUROPE TO PRESERVE YOUR LIBERTY WHAT ARE YOU DOING TOWARDS WINNING THE WAR?

Notice to U. S. Citizens in Canada.

United States citizens residing in Canada should refer to the announcement in this week's issue concerning regulations recently approved by the Governor-in-Council. Every citizen of the United States to whom the regulations apply is required to report to the Registrar under the Military Service Act. Full particulars are contained in the announcement appearing elsewhere in this issue.

**Plants That May be Set
Out in Fall.**

PERHAPS you love a flower-garden. Perhaps you have more time now to spend upon it than you will have next spring.

Perhaps you know that perennials (plants that come up year after year) are less trouble than any others.

Perhaps you would love to add some new kinds to your collection, but do not know what to ask for.

Here, then, is a list that may help you:

- Achillea ptarmica*—low-growing, white.
- Aconitum* (monkshood)—tall, blue.
- Aquilegia* (columbine)—medium, all colors.
- Arabis* (rock cress)—low, white.
- Asclepias* (butterfly weed)—medium, varied.
- Asters* (hardy)—medium, varied.
- Bleeding Heart*—medium, pink.
- Boconica cordata* (plume poppy) tall, white.
- Cerastium* (snow in summer)—white.
- Coriopsis*—medium, yellow and crimson.
- Delphinium* (perennial larkspur) tall, blue.
- Funkia* (day or plantain lily)—white, yellow.
- Gaillardia* (blanket flower)—yellow and crimson.
- Gypsophila* (baby's breath)—feathery.
- Helianthus* (hardy sunflowers)—yellow.
- Iris germanica*—low, all colors.
- Peonies*—varied.

Platycodon (Japanese bell flowers)—blue.

- Phlox*—tall, varied.
- Phlox subulata*—low, pink, white.
- Statice latifolia*—medium, white.
- Yucca filamentosa*—tall, striking.

Shrubs.—May be set out now or in the spring:

- Barberry*—red berries.
- Dogwood*—white and pinkish.
- Forsythia*—yellow, very early.
- Japonica*—pink, red, very early.
- Rhus Corsinus* (smoke tree).
- Spirea Van Houttei*—white.
- Spirea Thunbergi*—white.
- Weigelia rosea*—pink.

These may be obtained from any reliable grower. When they arrive out the roots at once into water and soak for a time, then plant out, very carefully, in well-prepared ground. Protect somewhat with leaves or straw, during winter.

Fall Gardening Notes.

IF you want the best possible garden next year, remember that the following rules are absolutely essential:

You must prepare the ground this fall, plowing it, adding whatever manure is necessary, and working it up so that the mellowing influences of winter can act upon it.

If the soil is stiff, add plenty of manure and some sand.

If it is sandy, add heavier soil and plenty of manure.

If it needs draining, drain it. Remember that the "beginning, middle and end" of a good garden is well-rotted manure—especially cow manure. Thorough fertilization and incessant tillage are the secret of the wonderful garden achievements of the Japanese, Chinese, and Belgians. Their example is worth following. Try it.

Why He Emigrated.

A Scot bored his English friends by boasting about what a fine country Scotland was.

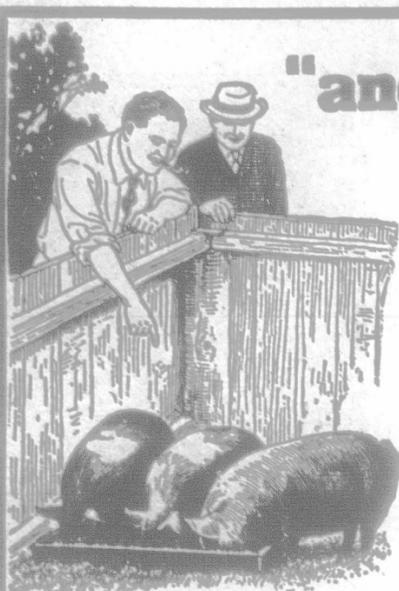
"Why did you leave Scotland?" a Londoner asked, "since you like the place so much?"

The Scot chuckled. "It was like this," he said. "In Scotland everybody was as clever as myself, and I could make no progress, but here—and he chuckled again—"here I'm getting along verra weel."

Little Joey Jesso was entertaining his sister's nervous admirer, and, after making the usual juvenile remarks on marbles and tops, he suddenly announced: "Ethel told ma yesterday you was a born politician."

The young man was delighted and wishing to know more asked:

"That so? Why does she think that?" "That's just what ma wanted to know, and Ethel said it's because you can do so much talking without committin' yourself."



"and they cost me less per pound gain"

CAN you imagine a manufacturer in the city feeding costly raw material into a machine without precise figuring of costs and the most careful selection? Can it possibly pay the "manufacturer" of bacon to feed hogs on the old-fashioned plan, without knowing the cost per pound gain? Decidedly not, in these expensive times.

Our experts have done the figuring for you. They have found out that certain feeds, combined according to known feeding values, will get a hog off to market in far less time, with more marketable, good, firm bacon on him, and at less cost per pound gain.

Monarch Hog Feed

is the cheapest feed you can buy—if you reckon by market results, and that is where your profits come from! Why try to figure out rations? Why worry about providing various feeds? Why waste precious time mixing up feeds? That was all very well when there was no such thing as Monarch Hog Feed available. Nowadays everything must be done expertly if it's maximum profits you want.

It's quality bacon that captures the best prices; Monarch gets the quality—good, firm, hard bacon—at less cost.

Monarch Hog Feed is a true balanced ration; it supplies every nutrient the growing hog demands—no more, no less. Its just right for maxi-

mum production, without waste of feed.

It has all the nutrient qualities of shorts, corn products and digestive tankage (rich in flesh-forming materials). Combined as a properly balanced ration they are easily digested; Monarch is palatable; hogs thrive on feeds they relish. Monarch can always be relied upon for best results.

Give Monarch Hog Feed a good, fair trial. Order a ton from your dealer; you can always depend upon getting it; should your dealer not be handling Monarch Feeds, send us his name and address, and we will see that you are supplied.

Monarch Dairy Feed

is a properly mixed balanced ration of oil cake meal and cotton seed meal combined with corn meal and bran; guaranteed analysis is 20% protein and 4% fat.

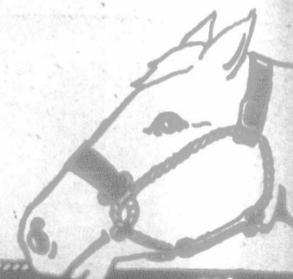
Sampson Feed

A general purposes feed with same ingredients as Monarch Hog Feed, excepting that oil cake meal is used instead of digester tankage; effective for both cattle and hogs; guaranteed analysis—10% protein and 4% fat.

The Campbell Flour Mills Co. Ltd., Toronto, Peterboro, Pickering

Canada Food Board License, 6, 7 & 8.

11



There's no Getting Away From it

THE "Giant" Halter gives you the utmost in service at the lowest cost. Made from stitched, double harness leather, and hard, tested rope. No horse can break it—no weak places to snap, because the shank forms a part of the halter.

Absolutely "puller-proof"—the more the horse pulls, the tighter the "Giant" holds. The ideal halter to take to town. Roomy enough to be easily slipped over the bridle. Weighs a little less than two pounds. The "Giant" is built for service and it never fails.

Ask your dealer to show you the "Giant" Halter. If he can't supply you, order direct. Prices: Regular weight, prepaid, \$1.40 (or \$1.50 West of Fort William). Extra Heavy weight, prepaid, \$1.75 (or \$2.00 West of Fort William.)

MORE THAN A MATCH FOR YOUR COLT

THE "Classic" halter was designed for colts of 1 year and under—especially frisky colts. Don't let a colt break or pull out of his first halter, or he'll get the habit and it will be difficult to break. Try a "Classic" on him. Twist or tug as he may, he cannot break it or get loose from it. Made from durable leather and hard, tested rope. Proof only serves to tighten its hold. Against breaking or slipping—pulling. Sent, prepaid, for \$1.00 (or \$1.10 West of Fort William).

Write for literature—It's Free.

G. L. GRIFFITH & SON,
68 Waterloo St., Stratford, Ont.
Look for this trademark—the
Halter-mark of a Halter.

16-M

Please mention Advocate when writing.

Markets

Continued from page 1529

Egg plant brought from 35c. to 50c. per 11-qts.

Onions declined, 100-lb. sacks selling at \$2.50 to \$2.75, and 75 lbs. at \$1.75; white pickling onions at \$1 to \$2 per 11-qts. and yellow at 65c. to 75c. per 11-qts.

Peppers.—Green peppers sold at 50c. to 75c. per 11-qt. basket, and reds at \$1 to \$1.25 per 11-qts.

Potatoes.—Owing to a temporary scarcity potato prices advanced, Ontarios selling at \$2.15 to \$2.25 per bag.

Montreal.

Horses.—There has been some enquiry in the market of late from lumbermen, but it is understood that very little business has followed. Heavy draft horses weighing 1,500 to 1,700 lbs. were quoted at \$250 to \$300 each; light draft, weighing from 1,400 to 1,500 lbs., \$200 to \$250 each; light horses were \$125 to \$175 each; while culls were \$50 to \$75 each; and fine saddle and carriage horses, \$175 to \$250 each.

Dressed Hogs.—Dressed hogs were in good demand, and fresh-killed stock was changing hands freely at 28½c. to 29c. per lb.

Potatoes.—Very little change has taken place in the price of potatoes, considering that the season has turned from the old to the new. Sales were being made at \$1.75 per bag, of 80 lbs., ex-store. Demand for potatoes is good.

Maple Syrup and Honey.—There was a very fair demand for honey, and quotations on white clover comb were 25c. to 26c. per lb. section. White extracted was quoted at 23c. per lb. in 30-lb. tins; while buckwheat honey was 20c. to 21c. per lb. As for syrup, \$1.90 to \$2 per gallon, in wood, and \$2.10 to \$2.25 per

HAVE YOU CONSIDERED THE QUESTION OF YOUR DAUGHTER'S MUSICAL EDUCATION?

London is the musical centre of Western Ontario. It has a musical institution that cannot be excelled on the American continent.

It provides musical training in all branches at AN ENORMOUSLY LESS COST than in the larger cities.

Write for our illustrated year book, giving full information re courses in piano, violin, organ, singing, elocution, etc.

London Conservatory of Music

356 Dundas Street, London, Ontario

F. L. WILLGOOSE, Mus. Bac., Principal. LOTTIE L. ARMSTRONG, Registrar.



FARM WANTED OF ABOUT 150 to 300 acres in size, with suitable land and buildings for sheep ranching. Would prefer one near railway station, situated not more than 75 miles from Toronto. Apply F. W. Bradley, Orono.

FOR RENT—HOMWOOD FARM, 100 ACRES, 7 miles north of Dutton. Fine modern barn, drive shed, chicken house, old dwelling, orchard, good fencing, plenty of water and fuel. See farm, and address owner, A. E. Cameron, Albion, Michigan.

FOR SALE—FINE 80-ACRE FARM, TWO miles from St. Thomas post office. For particulars and price, address D. E. Mains, R. No. 8, St. Thomas.

REGISTERED COLLIE DOG, GOLDENSABLE white markings, for sale. A. B. Van Blaricom Morganston, Ont.

WANTED—MARRIED MAN TO LOOK AFTER stock and to milk, wife to board men. References required. Apply to W. K. Gooding, Islington.

gallon tin were the prices quoted, sugar being 22c. to 25c.

Eggs.—The market for eggs was very strong, and prices advanced further during the week. Strictly new-laid stock was selling at 56c. per doz., while select stock



Condensed advertisements will be inserted under this heading at three cents per word each insertion. Each initial counts for one word and figures for two words. Names and addresses are counted. Cash must always accompany the order for any advertisement under this heading. Parties having good pure-bred poultry and eggs for sale will find plenty of customers by using our advertising columns. No advertisement inserted for less than 50 cents.

40 BARRED PLYMOUTH ROCK YEARLING HENS, 200 egg line \$5.00 pair; cockerels for late fall delivery. Jno. Fenn, Plattsville, Ont.

was quoted at 52c. to 53c.; No. 1 candled 47c. to 48c.; and No. 2, 45c. to 46c.

Butter.—The make of butter which is now arriving is improved in quality, the weather being more favorable. Finest creamery was quoted at 44c. to 44½c. per lb.; fine being 43¼c. to 43¾c., and dairies 36c. to 38½c. covering all qualities.

Cheese.—The Commission quoted 23c. for No. 1 cheese; 22½c. for No. 2; and 22c. for No. 3.

Grain.—Sales of oats were taking place at 97c. to 98c. per bushel for No. 3, while extra No. 1 feed were quoted at around

the same figure, and No. 1 feed at 94c. to 95c.; No. 2 feed, 90c. to 91c. Ontario No. 2 white, 90½c., and No. 2 white, 89½c. per bushel, ex-store. American corn was selling at \$1.35 to \$1.75 per bushel, ex-store, according to quality. Ontario extra No. 3 barley was \$1.32; No. 3 being \$1.30, and Manitoba sample barley, \$1.35 per bushel, ex-store.

Flour.—Spring wheat flour was scarce and firm with car lots quoted at \$11.35 per barrel, in bags, f.o.b. Montreal, and 10c. more delivered to city bakers. Winter wheat flour was \$11.60 per barrel in new cotton bags. A popular price for substitute flour was \$12 per barrel, this being for white corn flour and oat flour, while rye flour was quoted at that price to \$12.25. Government standard corn flour \$10.50 to \$10.60, and barley flour, \$11.50.

Millfeed.—Feed cornmeal was quoted at \$68 per ton; pure grain mouille, \$67 to \$68; barley feed, \$63 to \$64; mixed mouille, \$55; bran, \$37; shorts, \$42, including bags.

Baled Hay.—The market for hay was stronger than it has been for a couple of years past. No. 1 hay was quoted at \$17; timothy mixture, \$17; No. 2 hay, \$16; No. 1 clover mixture, \$15; No. 3 timothy, \$14 per ton, ex-track.

Hides.—The market was fairly steady, with lamb skins showing a rather easier tone at the moment, at \$3.65 to \$3.70 each; calf skins were steady at 55c.; cow hides, 19c. per lb.; bull hides, 17c., and steer hides, 24c. flat. Horse hides were \$5 to \$6.75 each. Tallow unchanged at 3½c. per lb. for scrap fat; 8c. for abattoir fat; 16c. to 16½c. for rendered.

Cheese Markets.

New York, specials, 27½c. to 27¾c.; average run, 27c. to 27¼c.; Iroquois, 21¼c.; Alexandria, 22¼c.; Montreal, finest Easterns, 22½c. to 23c.; Mont Joli, Que., 22½c.; Victoriaville, Que., 22½c.



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7 1/2c. to 27 3/4c.;
7 1/4c.; Iroquois,
4c.; Montreal,
23c.; Mont Joli,
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Can You Save 60c. per Week?

For a man between the ages of twenty-three and thirty, about 60c. a week will maintain an Imperial 20 Payment Life Policy for \$1,000.

If, after you have paid but one premium on such a policy you should die, this Company would pay \$1,000 to your wife or other beneficiary. That \$1,000 invested at 6% would yield your heirs an income of \$1.15 a week as long as they live, and still leave the principal intact.

Have you considered what a wonderfully safe investment this is? Think of the men who were worth thousands before the war who do not possess five hundred dollars in real money today. The bottom has fallen out of their real estate and stock holdings and if they were to die their affairs would be in a bad muddle.

One policyholder said recently "the only thing I possess that is worth one hundred cents on the dollar is my life insurance policy and, I regret today that I am not carrying five times as much."

Write for our booklet entitled "Penniless Old Men." You'll find it interesting.

THE IMPERIAL LIFE Assurance Company of Canada

HEAD OFFICE - TORONTO

Branches and Agents in all important centres

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ONTARIO WIND ENGINE & PUMP CO. LIMITED

TORONTO LITTER CARRIER

You Should Have a **TORONTO Litter Carrier**

It will save you time, money and that heartrending, dangerous labor of pushing a wheelbarrow around a mucky farmyard and up a slippery plank on to the pile.

Don't hesitate! A TORONTO Carrier will do as much work as six men with six wheelbarrows—think what it saves.

Don't forget! We also manufacture TORONTO Universal Stalls and Stanchions which enables you to equip your stables in the most modern way, making them sanitary, comfortable, easy to clean—and pay for themselves by services rendered.

Where's your pen—just scribble a note for our booklet explaining how our modern stable equipments save you money.

THE ONTARIO WIND ENGINE & PUMP CO., LIMITED
Atlantic Ave., TORONTO 12 St. Antoine St., MONTREAL 184

From a Farmer's Wallet.

The storm late yesterday afternoon took us quite unawares. We had fair warning the day before, however, for a number of hard showers went round us. One of them rattled the hills with its thunders and sent some folks flying to cover for fear they would get a shower bath, and then suddenly wheeled away to the northward without giving us a drop. To-day our turn came, and for an hour the lightning was terrific. The little laddie and I sat in the big window where we could look out toward the long red barn into which we had all hastened with our load of hay. As mother was a bit timid in such storms, it fell to the farmer to go up and stay with her and laddie. A number of red hot, long streams of electricity shot down nearby, and this morning we are hearing of considerable damage done to crops, buildings and trees. Our worst injury was to the oats which were blown down considerably. One end of the oat field is almost at flat as if a big roller had run over it. The other crops will straighten up somewhat, but we think the oats are down to stay down. They are too nearly ripe to gather up as they would a few weeks ago.

Thinking of the queer pranks lightning had played, the farmer's boy who is manager of the place, very thoughtfully said, "It is a mystery to me why such storms should come. I would not ask for all dry weather, nor all storm, but it would be fine if we could just have one year with the right amount of rain and sunshine." Well, the question arises, "Who would be the one to say when we were having exactly the right proportion of rain and sunlight?" Some folks never would want storms; others could not get along without just about so much rain, and they would want it when they thought it was needed; while their ideas on the subject might not agree at all with those of their neighbors. For my own part I would not like to be the judge with power to regulate such an important matter.

Have you not seen men who thought they knew all about what would be the right way to run this old world of ours? They can tell you just what we ought to expect and how it might be brought about. And how out of patience these knowing

Let the Hydro Do the Work

Many farms in Ontario have electric current. Many others could have it. Where electric current is available, the washing problem is easy to solve. The

SEAFOAM Electric Washer and Wringer

does more work than a woman could do, does it better and does it more quickly. In the long run, the SEAFOAM does it cheaper too, because it saves time, health and doctors' bills.



If electric power is not available, there are other washers in the Dowswell line that are operated by hand, foot, gasoline or wind engine power, each of them saves time and does away with washing drudgery.

Send for Illustrated Pamphlet.

Dowswell, Lees & Co., Ltd. Hamilton, Canada

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

ones are because the ability and the authority to regulate the affairs of the universe has been withheld from them! But don't you think these matters are cared for just about as well now as they would be if you and I were in charge? We would miss it far more frequently than we hit it. Indeed, it is pretty difficult to please ourselves all the time. Something seems always to be a little wrong.

If we ever get wise enough, we shall see that the best thing to do is to go straight along day by day, doing the very best we can and finding no fault. There is no more foolish thing in all the world than to complain of the weather. Things come out far better than we think they will in the end. It will not be long before the wind will shake the rain out of the corn and the stalks will rise again quite as they were before. With the good reapers we have in these days, we can get under the lodged grain and save very nearly all of it. By and by, when the season is past and gone, and we go out to look at the full cribs and granaries, we will say, "This has been a pretty good season after all. We have come out all right." There is this other good thing about it, too. Hard knocks, the things we do not now understand, are the ones that make character strong. All sunshine, all good crops would make us self-satisfied and selfish. We learn patience and sympathy through the rattling of the thunder storms. The only way to become strong is to battle with strong things. Farmer folks are the backbone of the world simply for the reason that they do learn how to meet and conquer all sorts of difficult things. Why should we find fault with the source of our strength? Let's never do it.

E. L. VINCENT.

Sergeant-Major—"Now, Pte. Smith, you know very well none but officers and non-commissioned officers are allowed to walk across the grass."

Pte. Smith—"But, sergeant-major, I've Captain Graham's oral orders to—"

Sergeant-Major—"None o' that, sir. Show me the captain's oral orders. Show 'em to me."



Penmans Underwear

THE STANDARD OF EXCELLENCE



Also makers of Sweater Coats and Hosiery

People of varied occupations and in different climates require different garments. Penmans Underwear is made in various weights and fabrics to suit all these conditions. Each garment fits perfectly and is made to wear well.

Penmans, Limited, Paris

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HORSES FOR SALE

Pure-bred Percheron stallion "Nogent" No. 4458, black, 5 years old, won 1st prize as a three-year-old at Western Fair; also pure-bred Percheron mare 6 year old. Apply

G. D. HUTCHISON
Thamesford Ontario

MESSRS. A. J. HICKMAN & CO. (Late Hickman & Scruby) Court Lodge Egerton, Kent, England, Exporters of PEDIGREED LIVE STOCK

of all descriptions. Speciality made of draft horses, beef and dairy breeds of cattle, show and field sheep. Illustrated catalogues and testimonials on application. All enquiries answered with pleasure. Now is the time to import. Prospects were never better, and insurance against all war risks can be covered by payment of an extra 1% only.

Dr. Bell's Veterinary Medical Wonder, 10,000 \$1.00 bottles FREE to horsemen who give the Wonder a trial. Guaranteed for Colic, Inflammation of Lungs, Bowels, Kidneys, Fevers and Distempers, etc. Send 25c. for mailing, packing, etc. Agents wanted. Write address plainly.
DR. BELL, V. S. Kingston, Ont.

HERCULES Leather-Chain Trace

A harness is as strong as the trace—no stronger. The trace takes the strain and the strongest trace is the best. The Hercules is a flat shaped trace, strong as steel, flexible as leather, tough and unbreakable, made of steel chain covered with heavy leather neatly finished in turned and rounded edges strongly stitched. Powerful heel chain and either clip or bolt piece at hame end; one and one-half inch solid leather billot. Does not chafe the horses and is tremendously satisfactory. If you don't have the Hercules Trace on your heavy harness, don't wait order a set NOW. If your dealer does not have it, order from us direct. We will ship same day, on receipt of price.

\$14 PER SET

SAMUEL TREES & CO., Ltd.
ESTABLISHED 1866
42 WELLINGTON STREET EAST, TORONTO

WHEN writing advertisers kindly mention The Farmer's Advocate.

Questions and Answers.

- 1st—Questions asked by bona-fide subscribers to "The Farmer's Advocate" are answered in this department free.
- 2nd—Questions should be clearly stated and plainly written on one side of the paper only, and must be accompanied by the full name and address of the writer.
- 3rd—In veterinary questions, the symptoms especially must be fully and clearly stated, otherwise satisfactory replies cannot be given.
- 4th—When a reply by mail is required to urgent veterinary or legal enquiries, \$1.00 must be enclosed.

Miscellaneous.

- #### Material for Horse Stable Floor.
1. We are planning to cement our horse stable floor which is 28 by 40 feet. What quantities of gravel, sand and cement will be required?
2. Do you consider 5 feet wide enough for horse stalls?
- Ans.—1. It will require about 15 cubic yards of gravel and sand to lay a floor over the entire stable, about 4 inches thick; 11 barrels of cement would be required, if mixing 1 to 8. We would advise cementing the feed alley. It makes it much easier to keep clean.
2. Five feet will be found wide enough for the average horse.

- #### Value of Corn.
1. What is the approximate value of corn for silage?
2. How late in the season can rape be sown in order to ensure sufficient growth for fall pasture? How much seed per acre should be used?
- Ans.—1. It is rather difficult to state as the price will depend upon the value of other feed stuffs and upon the quality of the corn. It should be worth from \$2.50 to \$3 per ton.
2. Rape may be sown up to the first week in August to give good pasture in the fall. If sown in drills, 2½ pounds per acre is a fair seeding; if broadcast, 7 or 8 pounds per acre.

- #### Engineer.
- Can I learn to run a traction engine from a book? What are the names of some of the books on engines? Where can I get papers to run a steam engine?
- Ans.—While many of the finer points about engines can be learned from a book, practical experience is necessary as well. Such books as "Practical Talks on Farm Engineering," by Clarkson "The Modern Gas Tractor," by Page "The Gasoline Question on the Farm," by Putnam; and "Gas Engine Troubles and Installation," by Rathbun, might be of some help. There are courses on running an engine at some of the technical schools, or the School of Practical Science where certificates may be secured.

- #### Frost-proof Root House.
- How can I build a frost-proof root house above ground?
- Ans.—In order to make the building frost-proof it will be necessary to have an air space in the wall. We have seen root houses built above ground and then partially covered with earth. This method is cheaper than going to the expense of purchasing materials to make a frost-proof building without earth covering. Cement walls may be used with a circular top also of cement; a wall 8 to 10 inches thick, banked around with earth and covered on top with straw will keep out the cold of an average winter. If timber is plentiful, you might prefer using it. Six to eight-inch studding could be erected boarded on each side, and filled in between with sawdust. Even then it would be advisable to cover it. If no covering was to be used, another layer of lumber and tar paper should be used.

- #### Plowing Under Green Clover.
- A discussion was overheard here, between two farmers of good repute, regarding the most beneficial method of plowing under clover. The one, who is said to have built up farms by his method, cut his crop of clover with the mower and then ploughed it under. The other ploughed it under right away without a ceremony. The former man was a firm believer in his method and apparently has worked it with success. Do you think that the man was working on right principles?

Undoubtedly good would accrue from either method. Personally, we cannot see the advantage of first cutting the clover and then plowing it under. Plowing under the green clover should give as good results as cutting it and then plowing it under. In fact, we would favor the plowing under of the standing clover.

Answers.
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Peter Hamilton Carrier Silo Filler and Feed Cutter

If you have a gasoline engine, why not fill your own silo and cut your own feed? We have a machine which your engine will run in an efficient manner, and which will answer all your feed-cutting requirements.

PETER HAMILTON machines have tremendous strength and great capacity. They will cut up an enormous pile of feed in a day, and because of their shearing method of cutting only a small amount of power is required.

Free Booklet There are so many good points in connection with these machines that it will pay you to write for our free booklet describing them.

**Peter Hamilton
Company, Limited
Peterborough, Ont.**



Ring-Bone

There is no case so old or bad that we will not guarantee

**Fleming's
Spavin and Ringbone Paste**
to remove the lameness and make the horse go sound. Money refunded if it ever fails. Easy to use and one to three 45-minute applications cure. Works just as well on Sidebone and Bone Spavin. Before ordering or trying any kind of a remedy for any kind of a lameness, write for a free copy of

**Fleming's Vest Pocket
Veterinary Adviser**
Ninety-six pages of veterinary information, with special attention to the treatment of lamenesses. Durable bound, indexed and illustrated. Make a right beginning by sending for this book.

**FLEMING BROS., Chemists
75 Church St. Toronto, Ont.**

Baled Shavings

A few cars of choice, dry baled shavings for sale, at 18c. per bale f.o.b. the cars our yard. This is your opportunity to put in a car for winter use. Let us have your order NOW.

**NICHOLSON LUMBER COMPANY, LTD.
Burlington, Ontario**

STAMMERING

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SHIPPER! Consign your carloads to
**The E. L. RICHMOND CO.
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The Old Reliable Firm. In business a quarter of a century. References—Any Bank.

SUNNY ACRES' Aberdeen - Angus

Present offering: 15 young bulls, 5 to 10 months; also 6 breeding females.

G. C. CHANNON
P. O. and 'Phone - Oakwood, Ont.
Railway connections: Lindsay, C.P.R. and G.T.R.

Alloway Lodge Stock Farm

Angus—Southdowns—Collies
SHOW FLOCKS

Rams and ewes. Heifers in calf to Queen's Edward, 1st prize, Indiana State Fair.
Robt. McEwen, R.R. 4, London, Ont.

BEAVER HILL Aberdeen-Angus

MALES AND FEMALES
ALEX MCKINNEY, R. R. No. 1, ERIN, ONT.

ABERDEEN-ANGUS
MEADOWDALE FARM, Forest, Ont.
ALONZO MATTHEWS, H. FRALEIGH
Manager Proprietor

Questions and Answers.

Veterinary.

Umbilical Hernia.

Heifer 10 weeks old has navel rupture. The sac is 4 inches long and 1½ inches in diameter and appears on manipulation to be filled with a thickish fluid. There is an opening into the abdominal cavity.

J. W. J.

This can be successfully treated by holding calf on her back, carefully returning the intestine to the abdominal cavity, though the opening mentioned, and there gathering up the loose skin and applying a clam tightly over it close to the abdomen and tying it tightly. Another plan is to apply a truss which will keep the intestine forced into the cavity and leaving it on for about 3 weeks. As it is hard to keep the truss properly adjusted the clam is the better plan. A spontaneous cure may result without interference as she grows older. If you decide to operate it will probably be wise to employ a veterinarian, as if any of the intestine be included in the clam the results will be fatal.

V.

Miscellaneous.

Apple Cider.

Is it lawful to use apples for making cider, or to sell cider or vinegar? E. B.

Ans.—So far as we are aware there are no restrictions along this line when the cider is new.

Weeds in Hay.

Is the rush weed, known as mare's tail, in any way dangerous to horses when it is mixed with hay? R. B.

Ans.—This weed, more commonly known as "horse tail", is poisonous to horses when fed in the dry state. However, horses vary in their susceptibility.

Feeds for Pigs.

I have a number of pigs from two and a half to three months old which I intended to feed. I have shorts, oil cake and oats. In what proportion should they be mixed? V. D.

Ans.—Shorts and oats, equal parts, with a small quantity of oil cake added will give good results with growing pigs. We have seen pigs that have been grown and fattened entirely on this ration. We have also seen pigs fattened on oats alone, and also on shorts alone. However, a mixture of feeds will give a more balanced ration than feeding any one feed singly. For finishing hogs we like to have a little heavier feed, as barley or corn chop, but sometimes such is not available.

Line Fencing.

A and B own lots butting each other, B has lived on his lot for 20 years. A has owned his lot for 15 years, as shown in plan enclosed. A lives on another lot from the one in question, but is cultivating some of the lot. A wants to have a line fence between B and A, and B refuses to put up any part of the fence and also will not allow A to build a fence on the line but says A must fence around as shown by the dotted line on plan. The line between A and B has never been run till a few days ago when both agreed to have the surveyor find the line, each to pay half the cost. After the line was run B refuses to move his fence which is only three strands of barb wire nailed to trees, claiming he has a right to keep the land having had this wire around it for twenty years. A has fenced where the dotted straight line is during the last few weeks.

Can A compel B, to remove his wire from the trees and build a fence on the line the surveyor laid out? If so how must he proceed? F. B.

Ans.—We do not see that A is legally in a position to do so.

A meeting of the directors of the Western Dairyman's Association was recently held in Toronto, to consider a place for holding the fifty-second annual convention and winter dairy exhibition. It was finally decided to accept the invitation from the City of London and the dates are arranged for January 15 and 16. The Masonic Hall will be the meeting place, and the basement will be utilized for the dairy show.

Is Your Household Solvent?



An institution is solvent if the value of the assets equals or exceeds the value of the liabilities.

Good honest book-keeping demands that every liability should be entered without reserve.

Among the liabilities of a household are current debts, mortgages, etc.

Among the assets are the house, lot, furniture, cash on hand, etc.

There is one liability, however, which is seldom entered, that is, provision for the maintenance of the wife in the event of the husband's death.

If householders were to enter up this item many homes would be declared insolvent.

The smallest sum the revenue from which would maintain a wife would be \$10,000, and an effort should be made to increase the balance of assets so as to provide \$10,000 in the event of death.

This can often be done by means of insurance. If a man has real estate, etc., free, to the amount of \$5,000, he should carry at least \$5,000 insurance. If his property that is free amounts to \$3,000, at least \$7,000 should be carried. Write for particulars of Mutual policies.

The Mutual Life Assurance Company of Canada Waterloo, Ontario

546



The Maples Hereford Farms

Where size, bone quality and rich breeding count. Headed by Clayton Donald (own brother to Perfection Fairfax) and High Ideal, last year's Junior Champion. For Sale—choice young cows, some with calves at foot and others in calf. Also some good two-year-old heifers in calf to above sires and open; and a few choice bull calves, and one good farmer's bull, 15 months a tried breeder.

W. H. & J. S. Hunter Proprietors Orangeville, Ont.

1861 IRVINEDALE SHORTHORNS 1918
Herd headed by Marquis Supreme =116022=; have on hand, a number of good young cows and heifers, bred to Marquis Supreme. Also a right good lot of bulls, all by Gainford Select =90772=. Anyone in need of a good young bull or a nice well-bred heifer will do well to write to, JOHN WATT & SON, (G.T.R. & C.P.R.) R. R. 3, Elora, Ont

SHORTHORNS FOR SALE

Ten bulls, from 8 to 20 months of age, of the good kind. Also must sell about 25 females before winter. They are the prolific kind and all registered and priced at about half their value to move them. Crown Jewel 42nd. still heads this herd. JOHN ELDER, HENSALL, ONTARIO.



WALNUT GROVE STOCK FARM
Scotch Shorthorn cattle and Oxford Down sheep. Herd established in 1840. Herd headed by the great breeding bulls, Gainford Eclipse =103055= and Trout Creek Wonder 2nd. =120741=. Extra choice bulls and heifers of the best Scotch families for sale. Also a few Oxford Ram Lambs. Duncan Brown & Sons, M.C.R. or P.M. Shedden, Ont.

ESCANA FARM SHORTHORNS

Five Bulls For Sale. One roan senior yearling; one choice twelve months white calf; by Right Sort (Imp.); one select, dark roan, ten months calf; one roan yearling, by Raphael (Imp.); one roan red yearling, for grade herd. Farm ¼ mile from Burlington Jct., G. T. R. BURLINGTON, ONT.
J. F. MITCHELL, Limited

MILKING SHORTHORNS

Herd headed by Dominator 10629; cows with records up to 11,000 pounds of milk in a year. Bulls ready for service for sale. Heifers and cows for inspection. Weldwood Farm, Farmer's Advocate, London, Ontario.

Shorthorns

Herd headed by Pride of Escana, a great son of Right Sort. Several bulls and a few females with calves at foot for sale. Herd of over seventy head.

A. G. FARROW (between Toronto and Hamilton), Oakville, Ont.

SALEM SHORTHORNS

Herd headed by Gainford Marquis (Imp.), undefeated in England and Canada. Sire of the winning group at Canadian National, 1914, 1915, 1916. Can supply cattle, both sexes, at all times. J. A. WATT, ELORA, ONTARIO

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For Men, Boys and Women

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Mailed to you post-paid at prices given below

Freedom From Sore Feet, Blisters, Corns

These come to you because you wear ordinary boots when working around the farm, in the soft earth and mud of field and barnyard. No man should be more careful about his footwear than the farmer. He must do his chores in all kinds of weather, and when working in the fields is on his feet, walking over uneven ground, from daylight almost till dark.

PALMER-McLELLAN CHROME-OIL FARM BOOTS

are made to give comfort and long wear—for rough or fine weather, and rough or fine usage. Cut in semi-moccasin style to insure greatest freedom. Built on right and left lasts with solid heels, soles and counters, they are neat and give greatest support. The leather is tanned by our famous Chrome-Oil Process, which makes it very soft, and so acts on the fibre that, regardless of wet, heat or cold, the leather will never dry up, shrivel or crack.

Made for women and boys as well as men. Mailed postpaid at the following prices:

Men's 6-inch high, \$4.75. 9-inch high, \$5.25.
Boys' 6-inch high, \$3.75. 9-inch high, \$4.00.
Women's 6-inch high, \$4.25. 9-inch high, \$4.65.
Fitted with tap soles, men's, 70c. extra.
boys' 60c. extra. women's, 60c. extra.
Waterproof Paste per tin, 25c.

Address your order to Dept. 2.
PALMER McLELLAN SHOEPACK CO.
Limited, Fredericton, N. B.

Flintstone Farm

Breeders of

Milking Shorthorn Cattle,
Belgian Draft Horses
Berkshire Swine.

We offer animals that will raise herds to a level of war-time efficiency. Bull calves from \$125 up.

DALTON
Massachusetts

For Sale
OMEGA MILKING MACHINE
Two-unit, in good order. Apply to:
L. A. Kennedy, Agincourt, Ont.

Questions and Answers.
Miscellaneous.

Feather Eating.

The feathers come off the heads and around the necks of my hens. What is a cure? M. S.

Ans.—This condition is sometimes caused by certain members of the flock contracting the habit of feather eating. Lack of meat food in the ration sometimes tends to start this trouble. Birds which have contracted the habit of feather eating should be removed from the main flock as it is a vice which is hard to control.

Selling Straw off the Farm.

A sold his farm to B and in the agreement there was nothing said about the straw. Can A dispose of this straw?

2. What kind of feed do you advise for fattening spring chickens? A. K.

Ans.—1. In drawing up an agreement it is well to have these things specified. As a rule, straw cannot be sold off a place unless so specified in the agreement.

2. For fattening chickens a mash composed of shorts, ground corn, and finely-ground oats gives very good results. This should be mixed to the consistency of a batter with skim-milk or buttermilk. Finely-ground barley or buckwheat may also be used to advantage.

Onion Growing.

I purpose growing 5 acres of onions next year. Should I plant small onions or seed? Should the ground be manured heavily or fertilized? J. M.

Ans.—Planting the small onions would be all right on a small scale, but with the acreage which you mention we believe sowing the seed in the spring would be the most practical method. Seed may be secured from any of the seed firms and can be sown with a small hand seeder. Rich, loamy soil is required. Manure adds humus, but many onion growers fertilize heavily as well. To plant 5 acres with small Dutch sets would be an expensive task. If sown rather thinly, or thinned to three or four inches apart, large onions will be produced from seed.

Drainage Outlet.

A owns a farm along a county road, with a railway running through the middle of the farm and across the county road. A drain at both ends of the farm furnishes ample outlet for all the water. The ditch along the county road is not deep enough to carry the water, which backs up on A's fields and damages his crops. What portion of the expense of tile to put in the bottom of the ditch should A pay in order to relieve the difficulty?

2. If the County, the railway and A cannot come to an agreement, how close to the road fence can A come and yet not be liable for any portion of the expense in connection with the ditch?

3. If A drains his fields in this way and yet the water backs in and damages his crops, can he secure damages from the railway and county?

4. Is it advisable to sow alfalfa on tile-drained land, or will the roots find their way to the tile and stop them up?

5. Can a farmer charge more than the set market price for wheat for seed? D. M.

Ans.—1 It will depend on the amount of water draining off A's farm. We believe this a matter for your local engineer to settle.

2. If the natural water course is through the ditch mentioned, tiling the water in another direction will not relieve A of a portion of the expense of the ditch.

3. If through negligence on the part of the railway or the county the water is not properly taken care of, A would have a grievance.

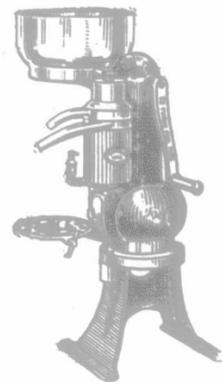
4. As a rule it is safe to sow alfalfa on drained land; in fact, it is necessary that the land be fairly well drained before alfalfa will do well. If water flows continually in the tile, there might be danger of the roots clogging them up, but there is little danger where there is only an intermittent flow of water.

5. We believe the price was set for market wheat and not for seed wheat. When a person takes extra pains to grade the samples for seed, it is worth considerably more than the market price.

Over a Long Period of Years

You will expect your cream separator to keep in good running order and give entire satisfaction. A good separator will do it and thus relieve you of all dissatisfaction caused by poor separators.

A good separator is a perfect skimmer, saving the cream that would go out with the skim milk in poor separators. This means actual hard cash saved.



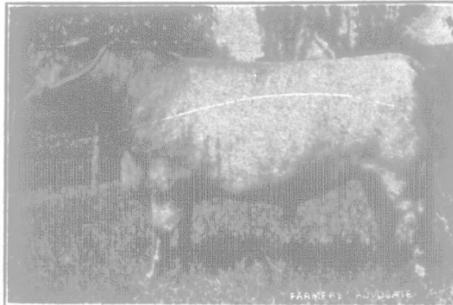
THE LARGER CAPACITY
Simplex Separator
WILL
SAVE YOU TIME SAVE YOU LABOR
SAVE YOU EXPENSE

Because it will cut the labor of skimming one-half, it's easy to turn, and it's easy to clean. The low down supply can is a grand convenience, and heavy milk pails do not have to be lifted high up. Its general appearance is very pleasing, and it will be a joy and satisfaction to those who want a cream separator to give perfect satisfaction for a long time.

Write us now for all information.

D. DERBYSHIRE CO., Limited, Brockville, Ont.

BRANCHES: Peterboro Montreal Quebec



GAINFORD SUPREME, No. 115283

Harnelbel Shorthorns

Herd headed by Gainford Supreme, son of the great Gainford Marquis and Jealously the Fourth.

All my cows and heifers are bred to this young bull. Inspection invited.

SAM'L TRUESDALE, Farm Manager
Islington, Ont.

HARRY McGEE, Proprietor
61 Forest Hill Road - - TORONTO



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Size, quick growth, rapid fattening on pasture or in stable, high dressing percentage, prepotency, hardiness, docility, popularity, superior milking qualities, are characteristic of

SHORTHORNS

THE BREED FOR FARM OR RANCH
DOMINION SHORTHORN BREEDERS' ASSOCIATION
W. A. DRYDEN, Pres., Brooklin, Ont. G. E. DAY, Sec., Guelph, Ont.

Lake Marie Farm Shorthorns

We have sold nearly all the females we have to spare but still have several good, young bulls of serviceable age all of which are sired by the R.O.P. sire St. Clare. They are priced to sell. We are also pricing a number of registered Dutch Belted cows and heifers.

LAKE MARIE FARMS, KING, ONT.
SIR HENRY PELLATT, Owner THOS. McVITTIE, Manager.

FOR SALE

A good red bull, calved September 1917 (grandsire and grandam imported) in good condition, a show bull, if fitted. Two cheaper bulls about the same age, from milking dams.
J. T. GIBSON, DENFIELD, ONTARIO.

GERRIE BROS.' SHORTHORNS

Herd headed by Gainford Matchless, one of the very best sons of the great Gainford Marquis. Our breeding cows are Missies, English Ladys, Duchess of Glosters, etc. Present offering of young bulls are by our former herd sire, Master Missie, Junior Champion at Brandon last summer.
GERRIE BROS., ELORA, ONT.

BURNFOOT STOCK FARM

We are now offering an 18 mos. old Shorthorn bull with R.O.P. records of over 13,000 lbs. on both sire and dam's side. This is a good opportunity for anyone who wishes to improve the milking qualities of his herd. S. A. MOORE, (Farm one mile north of Caledonia) CALEDONIA, ONTARIO.

Imported Scotch Shorthorns—A dozen very desirable bulls for sale now. Half of these are imported and will head good herds. Females, imported and home-bred. Collynie Ringleader, bred by Mr. Duthie, heads our herd. Another importation of 35 head will be home Sept. 25th. Burlington Jct. is only half mile from farm.
J. A. & H. M. PETTIT, Freeman, Ont.

Pleasant Valley Farms—Present offering: A number of good, young Scotch cows with calves at foot and rebred to (Imp.) Newton Grand Champion; also a number of 2-year-old heifers bred to same sire. Suitable for good herd foundations; priced to move them. Inspection invited.
GEO. AMOS & SONS (Farm 11 miles east of Guelph, C.P.R.), Moffat, Ont.

Questions and Answers. Miscellaneous.

Pigs Killed on Railway.

A short time ago I had a couple of pigs killed on the railway. They strayed from a pasture field through the railway company's fence. The wires are very slack and grown pigs have been going through the fence at intervals. Am I entitled to damages? A. S.

Ans.—It would appear that you have a good case against the company, provided you had previously notified them that their fence was out of repair and was not stock-proof.

Whitewash for Stable.

What is the proper way to mix whitewash to apply on buildings? Would a nozzle used for spraying fruit trees be satisfactory? W. B.

Ans.—A recipe which gives very good satisfaction is as follows: Take half a bushel of unslaked lime, slake with warm water and cover it to keep in the steam. Strain the liquid through a fine sieve or strainer, add a peck of salt, previously dissolved in warm water; 3 lbs. of ground rice, boiled to a thin paste and stirred in boiling hot; then add one-half pound of Spanish whiting and one pound of glue, which has also been previously dissolved by soaking in boiling water. Add 5 gallons of hot water to the mixture, stir well and allow it to stand a few days, protected from dirt. Whether applied with a brush or spray pump best results are obtained when it is put on hot. The ordinary nozzle used for spraying fruit trees would be satisfactory.

Refrigerator—Salt for Hogs.

1. I made two boxes, both lined with zinc, placing the smaller inside the larger one. There is space between the boxes of about four inches with one lid over both boxes. Box inside holds three milk cans and a block of ice on the bottom. Box is in my cellar which has windows open, on north and south. I think the ice melts too quickly and there is a stuffy air in the cellar. Should the space between the boxes be filled? If so, with what?

2. Should hogs get salt in their chop or otherwise?

3. My cow is subject to having cracks in her teats, what is the remedy? J. C. G.

Ans.—1. The arrangement you have should give very good results. Filling the space with planer shavings would possibly aid in keeping the ice better, but it would not tend to overcome the mustiness in the air. It is possible that the milk is warm when placed in this ice box, which would cause the ice to disappear very rapidly. Before being put in a closed box milk should be practically cold.

2. Hogs require a little salt.
3. Applying a little vaseline or carbolized oil will aid in healing up the cracks.

Fencing and Cattle.

1. A has a farm which joins B's at the back. The fence between is no good and B wants a new fence put up. There is a road allowance between the two farms which has never been opened up.

1. Can the township council lease the road allowance to any one?

2. Can A be compelled to fence his side of road so B can have road for pasture or other purposes?

3. Can A be compelled to move the old fence to the middle of the road which would take in more of A's land into said road?

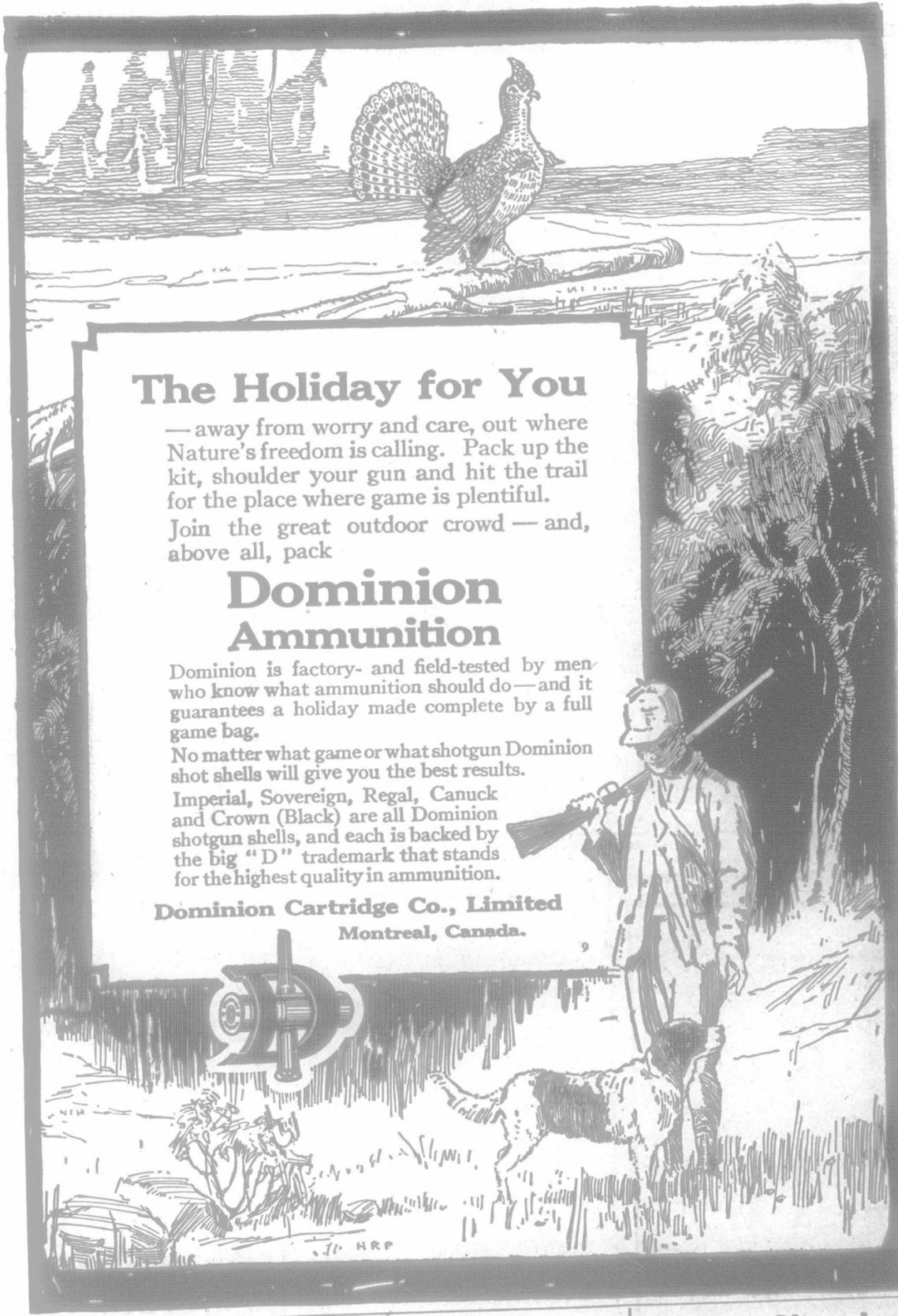
4. If B wants a new fence and the township owns the road, and the law says live stock must not run at large, should he not put up his fence on his side of road whether there is any on the other side or not?

5. And should B not pay damages if his stock gets into A's crop from the said road allowance? M. R.

Ans.—1. Yes.
2. Not by B, but possibly by the Council.
3. No.

4. He ought, perhaps, to do so, but we cannot say that it is compulsory. He may take the risk of his live stock leaving his lands and running at large.

5. Yes, unless there is a by-law of the township to prevent the recovery of damages suffered from trespassing cattle, etc., where the aggrieved party has not a lawful fence for his protection.



The Holiday for You

—away from worry and care, out where Nature's freedom is calling. Pack up the kit, shoulder your gun and hit the trail for the place where game is plentiful.

Join the great outdoor crowd — and, above all, pack

Dominion Ammunition

Dominion is factory- and field-tested by men who know what ammunition should do—and it guarantees a holiday made complete by a full game bag.

No matter what game or what shotgun Dominion shot shells will give you the best results.

Imperial, Sovereign, Regal, Canuck and Crown (Black) are all Dominion shotgun shells, and each is backed by the big "D" trademark that stands for the highest quality in ammunition.

Dominion Cartridge Co., Limited Montreal, Canada.

Shorthorns Landed Home—My new importation of 60 head will be at home to visitors June 20th, and includes representatives of the most popular families of the breed. There are 12 yearling bulls, 7 cows with calves at foot, 24 heifers in calf, of such noted strains as Princess Royal, Golden Drop, Broadhooks, Augusta, Miss Ramsden, Wimple, etc. Make your selection early. GEO. ISAAC (All Railroads, Bell 'Phone) Cobourg, Ont.

Spring Valley Shorthorns—Herd of 70 head, straight Scotch, good individuals. Headed by the great show and breeding bull, Sea Gem's Pride 96365, and Nonpareil Ramsden S3422. We have for sale four as good young bulls as we ever had, and a few females. KYLE BROS., Drumbo, Ont., ('Phone and telegraph via Ayr.)

GLENGOW SHORTHORNS We have a choice offering in young bulls, fit for service. They are all of pure Scotch breeding and are thick, mellow fellows, bred in the purple. WM. SMITH, COLUMBUS, ONTARIO. Myrtle, C.P.R.; Brooklin, G.T.R.; Oshawa, C.N.R.

SPRUCE GLEN FARM Herd headed by Nonpareil Ramsden=101081= and Royal Blood=77521=. At present we have nothing to sell but we have some very good ones coming on. James McPherson & Sons, Dundalk, Ontario.

BLAIRGOWRIE SHORTHORNS I have females all ages and bulls of serviceable age. Worth while to come and see, or write JOHN MILLER Myrtle Station C.P.R., G.T.R. ASHBURN, ONTARIO

SHORTHORN BULLS Will. A. Dryden Brooklin Ontario Co. Myrtle, C.P.R., Brooklin, G.T.R. Brooklin, C.N.R.

Robert Miller, Stouffville, Ont., still has a few Shorthorn bulls, fit for good as can be found for the man that wants to start right in Scotch Shorthorns. They will be sold for a low price, considering the quality, and the freight will be paid. Write for anything in Shorthorns. One hour from Toronto.

Mardella Shorthorns

Herd headed by The Duke, the great, massive, 4-year-old sire, whose dam has 13,599 lbs. of milk and 474 lbs. of butter-fat in the R.O.P. test. I have at present two exceptionally good young bulls ready for service, and others younger as well as females all ages. Some are full of Scotch breeding, and all are priced to sell. Write or call. Thos. Graham, R. R. No. 3, Port Perry, Ont.

Evergreen Hill R.O.P. Shorthorns

Herd headed by the R. O. P. bull, St. Clare. Nothing for sale at present. S. W. JACKSON, R. R. No. 4, Woodstock, Ont.

Glenfoyle Shorthorns—College Duke 4th in service—a high-record son of Rothschild and Taylor's noted stock. Am offering young cows and heifers, bred to this great bull. Have a few bulls of breeding age on hand. STEWART M. GRAHAM, Lindsay, Ont.

Graham's Dairy Shorthorns

I have a choice offering in cows and heifers in calf. Bulls from the heaviest milking strains. Satisfaction guaranteed. CHARLES GRAHAM - Port Perry, Ont.

Shorthorns and Shropshires—We still have a few extra well covered shearing rams. Also a choice lot of ram and ewe lambs. Prices right. We can supply young bulls or heifers, both of which are from high-record dams. P. CHRISTIE & SON, Port Perry, Ont.

Spruce Lodge Shorthorns and Leicesters Herd headed by the 'Butterfly'-bred bull, Roan Chief Imp. =60865= Young bulls, cows, and heifers of all ages, of good breeding and quality. W. A. DOUGLAS CALEDONIA, ONT.

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heifers are bred to Inspection invited.

SALE, Farm Manager ston, Ont.

GEE, Proprietor ad - - TORONTO

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NFIELD, ONTARIO.

ainford Marquis. Our ring of young bulls are ner. ROS., ELORA, ONT.

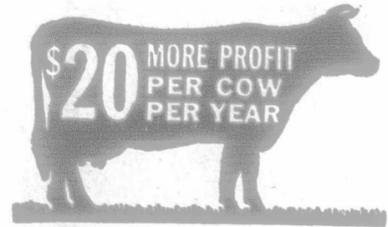
ARM

13,000 lbs. on both sire e the milking qualities EDONIA, ONTARIO.

e bulls for sale now, ed and will head good uthie, heads our herd. y half mile from farm T, Freeman, Ont.

d, young Scotch cows mp.) Newton Grand or good herd founda-

R.), Moffat, Ont.



Stop Cream Waste!

\$20 more profit per cow every year is the average gain of farmers using Viking Separators. Many do far better than that. Proved by carefully kept records of thousands of Vikings.

Don't let the valuable butter-fat dollars slip away in the skim milk through ordinary separators. Get all the butter fat that is in the milk with a

VIKING CREAM SEPARATOR

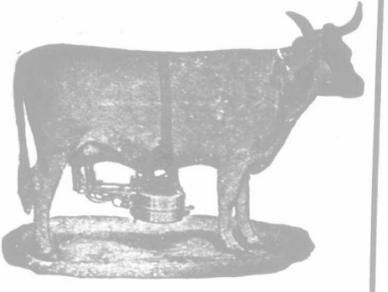
Guaranteed to skim to three one-hundredths of one per cent! No separator at any price gets a higher percentage of cream. Greater capacity than others of equal rating. Mechanically superior. Easy to operate (starts at a touch on the handle). Simple in construction and easy to clean. Lowest in price because it is made in the largest cream separator factory in the world. Guaranteed for a lifetime. More than one million in use, in all countries of the world. Look up the Viking dealer and investigate. The Viking is a money maker for you.



Send For Two Free Books

Not advertising alone but the book, "Making the Dairy Cow Pay," is full of profit-making pointers for dairymen.

Swedish Separator Co.
Dept. U 507 S. Wells St.
Chicago, Ill.



THE Omega Milking Machine

has these advantages over other machines. Transparent celluloid milking tubes instead of rubber ones which harbor germs and are difficult to clean. Pail and teat-cups are suspended from the back of the animal. The udder has no weight to carry. The pail cannot be knocked over and the teat-cups cannot fall on the stable floor and suck up straw or filth. The Omega milks fast and milks clean.

Omega the Best by Test

The Omega is used and recommended by Mr. R.R. Ness, of Howick, Quebec, one of the largest importers and breeders of record Ayrshire cattle in Canada. He writes regarding the Omega as follows: "It certainly has all other machines beaten in point of cleanliness, with those celluloid tubes instead of rubber. The pail hanging on the cow's back never touching the floor, the position in which the teat-cups are held insuring the most cleanly way of milking known to-day."

WRITE NOW for our FREE illustrated booklet, describing the many superior features of the OMEGA

C. RICHARDSON & CO.
ST. MARY'S, ONTARIO

Holstein Bulls

Ready for service and younger. Cows and heifers bred to ORMSBY JANE BURKE, whose two nearest dams average 38.82 lbs. of butter in 7 days. The three nearest sires' dams and his dam's records average 35.69 lbs. for 7 days, and 112 lbs. milk for one day.

R. M. HOLTBY, R. R. 4, Port Perry, Ont.

KING SEGIS PONTIAC DUPLICATE
A 3/4 brother to the \$50,000 bull is the sire of our young bulls offered at present. Two of these are ready for service. Write us also for females.
R. W. Walker & Sons, Manchester Station,
G. T. R., Port Perry, Ontario

Munitions.

The following figures give a summary of Canada's accomplishments, during the last four years, in the production of munitions of war:

| | |
|--|--------------------|
| Total number of shells produced..... | 60,000,000 |
| Approximate number of components represented by above, for which Imperial Munitions Board has let separate contracts..... | 670,000,000 |
| In addition to the 60,000,000 of shell produced, there have been a great number of components exported, such as forgings, cartridge cases, primers, copper bands, time and graze fuses, exploder containers, friction tubes, etc. In the production of this war material steel has been used to the amount of..... | 1,800,000 tons |
| (About 75% of this steel is Canadian product.) | |
| Quantity of high-grade explosives and propellants produced..... | 100,000,000 lbs. |
| Value of orders placed by the British Government through the Imperial Munitions Board..... | \$1,200,000,000 |
| Amount of orders already executed..... | \$1,000,000,000 |
| (This figure represents the actual amount of cash disbursements.) | |
| Amount furnished by Imperial Government for above purpose from sources outside of Canada..... | \$400,000,000 |
| Amount loaned to the Imperial Government by the Government of Canada and by the Banks in Canada for purposes of the Imperial Munitions Board..... | \$600,000,000 |
| Approximate number of contractors in Canada amongst whom contracts for munitions have been distributed | 1,000 |
| Number of workers engaged in war contracts..... | 200,000 to 300,000 |
| Approximate number of persons employed in handling stores in transportation and other collateral organizations..... | 50,000 |
| Approximate total number of workers..... | 350,000 |

The following is a brief sketch of the growth of the munitions industry in Canada:

Shortly after the outbreak of war, inquiries were made of the Department of Militia and Defence by the War Office as to the possibility of obtaining a supply of shell from Canada. Ensuing negotiations led to the appointment by the Minister of Militia, in September, 1914, of an honorary committee, known as the Shell Committee, to undertake the task of supplying shrapnel shell to the Imperial Government. Its status was nominally that of contractor to the British Government, but really that of agent for the purpose of placing contracts on behalf of the War Office.

Basic steel, the only kind of steel made in Canada, was found by experiment to be suitable for the manufacture of shells. The first shipments of shell from Canada, in fulfilment of the orders placed by the Shell Committee, were made in the month of December, 1914—a little over three months from the inception of the undertaking. By the end of May, 1915, approximately four hundred manufacturing establishments in Canada were engaged in the manufacture of shells or the component parts thereof.

By November, 1915, the Imperial Government had placed orders in Canada

The Powerful Ally of the Canadian Farmer

The E-B 12-20 Tractor is standing by the Canadian farmer in this period of stress.

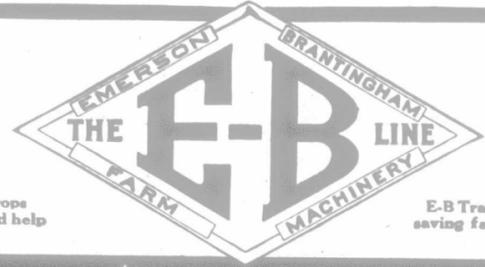
Remember the E-B 12-20 is the one tractor that can be successfully run by a woman or boy, because it can be controlled almost as easily as an automobile.

Whatever the work the E-B 12-20 is ready, willing, able. It is taking the place of thousands of men and animals. 25% more power this year.

All E-B Tractors have these features: 4-Cylinder Motors; Kerosene Burning. The E-B is the original 4-cylinder, 4-wheel line. For eleven years one policy of design and manufacture has been followed consistently.

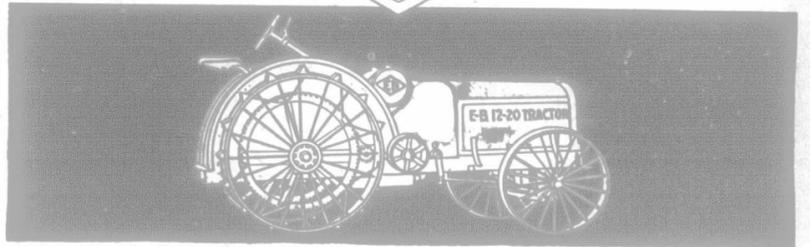
Why not an E-B 12-20 on your farm?

EMERSON-BRANTINGHAM IMPLEMENT CO., Inc.
Good Farm Machinery REGINA, SASK. Established 1852
Tudhope, Anderson & Co. John Goodison Thresher Co.
Winnipeg, Manitoba Sarnia, Ontario



Your Problem
To increase crops with decreased help

Your Remedy
E-B Tractors and labor-saving farm machinery



HOSPITAL FOR INSANE, HAMILTON, ONT.

Present herd sire is one of the best sons of King Segis Alcartra Spofford; we have three of his sons born during May and June last and also a grandson of Lakeview Lestrage. Apply to Superintendent.

HET LOO PIETERTJE

THE \$12,750 HEIFER

Sold at the great Milwaukee Sale, was only one of the many daughters we have of our senior sire Pontiac Korndyke of Het Loo. We also have sons—brothers to this world's champion heifer; and for the next few weeks, these, along with several other young bulls of serviceable age, are priced exceptionally low. Let us hear from you if interested—at once.
W. L. Shaw, Roycroft Farm, Farm on Yonge St., Toronto & York Radial 1 1/2 hours from Toronto, New Market, Ont.

Highland Lake Farms

For Sale: Two extra good (30-lb.) thirty-pound bulls ready for heavy service. Priced to sell. Also younger ones by a son of May Echo Sylvia.

R. W. E. BURNABY - Jefferson, Ontario
Farm at Stop 55, Yonge St. Radial

Manor Farm Holstein-Friesians

If it's a herd sire you want, write me. I have sons of both my senior and junior sires, King Segis Pontiac Posch and King Korndyke Sadie Keyes. All are from good record dams. Choice bull calves at present to offer — average for two nearest dams, up to 34.71 lbs. butter in seven days. Correspondence solicited, visitors welcome.

Gordon S. Gooderham Stations: Clarkson and Oakville Clarkson, Ont.
Farm on Toronto and Hamilton Highway

DUMFRIES FARM HOLSTEINS

Cows for sale, bred to Plus Evergreen, son of Evergreen March, Bell 'phone. ST. GEORGE, ONTARIO

Cloverlea Dairy Farm Holsteins

Present offering consists of three choice young bulls ready for service. Will be priced right for quick sale. For price and particulars apply to GRIESBACH BROS., COLLINGWOOD, ONTARIO.

SILVER STREAM HOLSTEINS

Special offering—four well-bred young bulls fit for service, sired by King Lyons Colantha whose 6 nearest dams average 30.10 lbs. of butter in 7 days and from daughters of King Lyons Hengerveld whose five nearest dams average 31.31 lbs. butter in 7 days. For fuller particulars and prices write at once. Priced to sell. J. MOGK & SON, R. R. 1, TAVISTOCK, ONTARIO.

Choice Grandson of Queen Butter Baroness

I am offering a choice 14-months bull from a 21-lb. junior 2-year-old daughter of Louis Prilly Rouble Hartog, and sired by Baron Colantha Payne, a son of Queen Butter Baroness, the former 33-lb. Canadian champion cow. Also have others younger. T. W. McQUEEN (Oxford Co.), Tillsonburg, Ont.

Walnut Grove Holsteins—I am offering a choice lot of bull calves, all sired by world's champion, May Echo Sylvia. All are from R. O. M. dams and good individuals. Also have the usual offering in Tamworth Swine.
C. R. JAMES (Take Radial Cars from North Toronto) RICHMOND HILL, ONT.

for munitions to the amount of, approximately, \$300,000,000. This represented such a great volume of business that it was considered desirable to form a Board directly responsible to the Imperial Ministry of Munitions. The operations of the Shell Committee, therefore, were passed over to the Imperial Munitions Board. The general policy of the Committee, maintained by the Board, was that of eliminating the middleman and dealing as far as possible with those who would actually perform the work. In pursuance of this policy raw materials of every description were purchased and passed on from one contractor to another, each being paid successively for his labor. This plan had the advantage of saving the contractor large investments of capital otherwise necessary to produce complete shell, and at the same time of enabling a proper distribution of the materials available so that the maximum production might be secured. Contractors were given the opportunity to pay for their necessary investment of capital from the profits derived from their contracts. Generally speaking, this has been accomplished. Subsequently the business was placed upon a competitive basis.

The work of the Board is carried on by the Chairman, who has full administrative and executive authority. He is assisted by a Board, of whom four members give constant service. Business men have been asked to take charge of the various departments, numbering about twenty. These Directors carry on their duties in Ottawa, in Toronto, in Vancouver and in Victoria. The following are details regarding the most important of these departments:

1. The Purchasing and Steel Department buys all the materials entering into munitions, arranges for the forging of steel, and distributes the forgings and components to the machining plants situated in the various Provinces.
2. The Shipbuilding Department purchases and supervises the construction of engines and boilers for the wooden ships referred to below, purchases the timber and supplies for the hulls, and has an operating section which installs the engines, boilers, and equipment in these vessels.
3. The Explosives Department operates the National plants producing nitrocellulose, cordite and T.N.T., with the necessary acid plants, and operates the plant producing acetone and methyl-ethylketone.
4. The Forging Department operates the National plant in which the steel turnings are melted in electric furnaces, and the steel thus produced subsequently converted into forgings.
5. The Aviation Department operates the plant producing aeroplanes, and in its constructional section builds all aerodromes, machine shops, barracks and officers' quarters at the various camps, and purchases all supplies and equipment for the Royal Air Force.

6. The Timber Section producing aeroplane spruce and fir, conducts logging operations in British Columbia, and operates tugs for the delivery of logs to mills which cut them for account of the Board, under supervision of the Board's officer. These logging operations call for the production of 248,000,000 feet of logs in 45 camps placed in a territory extending over 600 miles, north and south.

7. The Fuze Department operates the National plant where time fuzes are loaded.

8. The Engineering Department checks and rectifies all gauges, keeping for this purpose a staff of engineers and an operating force of expert tool-makers working in machine shops under their direction.

9. The Inspection is all carried out under the Director of Inspection, a British officer, responsible to the Director-General of Inspection in Great Britain. Several thousands of inspectors are required to do the work.

10. The administrative staff comprises from 1,000 to 1,500 men and women, the number varying with the degree of urgency.

The operations of the Board have gradually been extended into lines of war material other than steel, and the Imperial Munitions Board is now endeavoring to explore and make available for war purposes those natural resources of the country hitherto undeveloped. The forests of Northern British Columbia have been called upon to provide spruce for aeroplane purposes and for wooden

JERSEY CREAM

HIGH in food value yet economical in use. McCormick's Jersey Cream Sodas are fresh and crisp when you buy them. They keep well. There is no waste to them. For a war-time food, it would be hard to find their equal.

McCormick's Jersey Cream Sodas

Sold Fresh Everywhere. In Sealed Packages.

Factory at LONDON, Canada. Branches at Montreal, Ottawa, Hamilton, Kingston, Winnipeg, Calgary, Port Arthur, St. John. Canada Food Board Licenses 11-003, 14-166

BRAMPTON JERSEYS

We bred and owned the dam, and imported the sire of the champion R.O.P. butter cow of Canada. We own the champion four-year-old R.O.P. butter cow of Canada. To make room for 1918 importation, expected to arrive in May, we are making special offerings of females and bulls, all ages.

B. H. BULL & SON

BRAMPTON, ONTARIO

THE EDGELEY CHAMPION HERD OF JERSEYS

Write us about your next herd sire. We now have sons of our present herd sire, Edgeley's Bright Prince, who is a son of Canada's champion butter cow, Sunbeam of Edgeley. Pay us a visit. Sunbeam of Edgeley is not the only high-record cow we have. We are pleased to show our herd at all times.

JAMES BAGG & SONS

(Woodbridge, C.P.R., Concord, G.T.R.) EDGELEY, ONTARIO.

PROSPECT FARM JERSEYS

125 Jerseys in the herd. For 30 years we have been breeding Jerseys for production. Choice young bulls, young cows, and a few high-grade cows and heifers for sale.

R. & A. H. BAIRD

R.R. 1, New Hamburg, Ont.

THE WOODVIEW FARM JERSEYS

Canada's Most Beautiful Jersey Herd Imported Champion Rower at its head.

LONDON, ONTARIO Jno. Pringle, Prop.

This bull, with his get, won first prize on the island of Jersey, 1914, second in 1916, and again first in 1917. Present offering—A few yearling heifers in calf to our great young bull, Woodview Bright Prince, (7788), and bred from imported sires and dams. We show our work cows and work our show cows

I HAVE JERSEY COWS and BULLS FOR SALE

Six cows at \$200.00 each; bulls from \$50.00 to \$100 each. T. HETHERINGTON, c.o. 481 from Island Blood sires. Strictly guaranteed as represented. Aylmer Street, PETERBORO', ONT.

HILLHOUSE AYRSHIRES—F.H. Harris, Mt. Elgin, Ont.

Headed by Burnside Lucky Master Swell, a combination of blood so hard to equal, being of the Masterpiece and Lucky Girl families, a combination which means quality, production and constitution. Ninety head to select from. Special offering—20 yearling heifers and 3 bulls. Inspection invited.

GLADDEN HILL AYRSHIRES

A choice bull calf two months old; sire, Fairvue Milkman, dam a granddaughter of Primrose of Tanglewyld, for sale. Also a few females. Laurie Bros., Agincourt, Ont.

Sovereign Stock Farm—The Home of Canada's Wonder Cow

If in the market for a herd sire write, telling us just what you want. We have five ready for service, others younger, all from R.O.M. or R.O.P. rams. Priced low for quick sale. W.M. STOCK & SONS (L. D. Phone Innerkip) Tavistock, R. R. No. 1, Ontario

FEEDS

Linseed Oil Cake Meal, Corn Oil Cake Meal, Gluten Feed (23% protein), Bran, Shorts, Feeding Corn Meal, Digestive Tankage, Wheat Screenings, Corn, Cracked Corn, Beef and Bone Scrap, Grit, Shell, Charcoal, etc., etc.

Ask for price on car lots of Linseed Oil Cake Meal.

Canada Food Board License: No. 3-170, 9-1917, 9-1779

CRAMPSEY & KELLY
Dovercourt Road, Toronto

Twenty-five Years Breeding REGISTERED JERSEYS and BERKSHIRES

We have bred over one half the world's Jersey champions for large yearly production at the pail. We bred, and have in service, the two grand champion Berkshire boars. If you need a sire for improvement, write us for literature, description and prices.

HOOD FARM, LOWELL, MASS. LAKESIDE AYRSHIRES

A choice selection of young bulls for sale from Record of Performance dams, imported and Canadian bred.

SIRES: Auchenbrain Sea Foam (Imp) 35758 many times grand champion. Fairfield Mains Triumph (Imp.) 51137 a son of the noted Hobland Perfect Piece.

Write for catalogue. Geo. H. Montgomery, Proprietor, Dominion Express Building, Montreal. D. Macarthur, Manager, Phillipsburg, Que.

Summer Hill Oxfords



The Sheep for the Producer,
Butcher and Consumer.
Our Oxfords Hold an Unbeaten
Record for America.

We have at present a choice offering of yearling ewes and rams, as well as a lot of good ram and ewe lambs—the choicest selection of flock-heads and breeding stock we have ever offered. Look us up at the exhibitions.

PETER ARKELL & SONS
R. R. No. 1 Teeswater, Ontario
H. C. Arkell W. J. Arkell F. S. Arkell

Kent or Romney Marsh Sheep

The hardest and best grazing mutton and wool sheep of Great Britain. Successfully acclimated wherever grazing sheep are required. Annual Ram Show and Sale, 300 head, Ashford, Kent, on Thursday and Friday, September 20th and 27th, 1918.

Descriptive pamphlet, list of breeders, and all information from A. J. Burrows, 41 Bank St., Ashford, Kent, and at 16 Bedford Square, London, England.

SHROPSHIRE and COTSWOLDS

I am offering for sale 30 imported Shropshire rams, also home-bred rams and ewes, all at reasonable prices.

JOHN MILLER, CLAREMONT, ONT.
C. P. R. Bell Phone

Shropshires Shearing rams, also ram lambs got by imported ram Buttar 699; also a few **E. E. Luton** St. Thomas Shorthorns. Ontario Phone 704 R-4
R. R. No. 1

DORSET RAMS

I am offering a lot of good ram lambs, a number of shearings and also have some good shearing ewes. Satisfaction guaranteed.
S. J. ROBERTSON - HORNBY, ONT.
(Formerly of J. Robertson & Sons)

Cloverdale Shropshires and Berkshires—40 shearing rams, 70 shearing ewes; an exceptionally choice lot, true to type and well grown, nearly all sired by the show ram, Nock 16 imp. In Berkshires, the usual strong offering, including sows just bred. **C. J. LANG, BURKETON, ONT.**

Leicesters and Shorthorns—A grand lot of shearings and lambs for sale this season. Also a few Shorthorn bulls and heifers. Good individuals and choice breeding.
G. B. ARMSTRONG, Teeswater, Ont.

Leicesters For Sale

RAMS AND EWES. Lambs, shearing, and some aged. Choice flock.
Oliver Blake R. R. No. 2, Tavistock, Ont.

Newcastle Herd of Tamworths and Shorthorns Boars ready for service. Some bred and ready to breed; 2 splendid sows carrying their 2nd and 3rd litters. Boars and sows not skin, ready to wean. Mostly descendants of Colwill's Choice, 3-year champion at Toronto Industrial, and imp. Cholder-ton Golden Secret. A few nice Shorthorn heifers in calf, deep-milking strain. Young cows with calves at foot. Long-distance phone.
A. A. COLWILL, Proprietor, R.R. No. 2, Newcastle, Ont.

TAMWORTHS

Young sows bred for Sept. farrow and a nice lot of young boars for sale. Write:
John W. Todd, R. R. No. 1, Corinth, Ontario

Yorkshire Hogs of best winning strains. Choice stock for sale, all ages. Sows bred and ready to breed. Younger stock, both sexes, from suckers up. Nearly all varieties of Turkeys, Ducks, Geese and Chickens.
T. A. KING, Milton, Ont.

Meadow Brook Yorkshires

Have a choice offering of young boars and sows 3 and 4 months old, also a yearling sow bred to farrow in November. Priced right.
G. W. MINERS, R. R. No. 3, EXETER, ONT.

MAPLEHURST TAMWORTHS

Exhibition and breeding stock—both sexes. We also have Standard-bred horses, Pekin ducks, Toulouse geese, S.-C. W. Leghorns and White Rocks at times. Special present offering, one two-year old prize-winning stallion.
D. Douglas & Sons, Mitchell, Ont.

shipbuilding. To a less extent the timber resources of Ontario, Quebec, and New Brunswick, have been drawn upon for the same purposes. The mines of British Columbia are producing copper, zinc and lead. Those of Ontario and Newfoundland are producing steel. The Province of Quebec is supplying asbestos, aluminum, carbide, and other mineral products in large quantities. Ontario is providing nickel, silica, and carbides, and in collaboration with the Canadian Department of Mines there has been an extensive production of alloys to be used in the manufacture of high-speed tool-cutting steel.

The development of the explosive and propellant industry in Canada has been an important achievement. It has been the policy of the Board to establish National plants for the purpose of stimulating any important line of production which private enterprise was unwilling or unable to carry on, and at the present time seven of these plants, representing a capital investment of \$15,000,000, are being operated under the immediate direction of the Board. The two largest manufacture explosives, and these, with privately owned plants, have produced up to June 30th upwards of 100,000,000 pounds of high-grade explosives and propellants.

The Shipbuilding contracts placed by the Board have a value of some \$70,000,000. These represent 43 steel ships and 58 wooden ships aggregating 360,000 tons. These contracts are distributed by value as follows:

To British Columbia \$35,000,000; Ontario \$20,000,000; Quebec \$12,000,000, and to Nova Scotia and New Brunswick the balance.

One National plant is devoted to the manufacture of aeroplanes for training purposes (over 2,500 of which have already been produced), and latterly to the construction of bombing planes for the United States Navy. Aeroplane engines of high-grade are now being manufactured, and will shortly be produced in large quantities for use in fighting machines at the front.

The Board acts as general and exclusive purchasing agent on behalf of the War Office and Admiralty, and the British Timber Controller, Department of Aeronautics, and Ministry of Munitions. In addition, it acts as agent for the United States Ordnance Department in arranging contracts for munitions and supplies, placed by the United States Government in Canada. At the present time American contracts amount to upwards of \$70,000,000, and orders are coming forward in rapidly increasing quantities.

In the report issued by the Imperial War Cabinet for the year 1917, Canada's services to the Empire in the production of munitions are referred to as follows:

"Canada's contribution during the last year had been very striking. 15 per cent. of the total expenditure of the Ministry of Munitions in the last six months of the year was incurred in that country. She has manufactured nearly every type of shell from the 18-pr. to the 9.2". In the case of the 18-pr., no less than 55 per cent. of the output of shrapnel shells in the last six months came from Canada, and most of these were complete rounds of ammunition which went direct to France. Canada also contributed 42 per cent. of the total 4.5 shells, 27 per cent. of the 6" shells, 20 per cent. of the 60-pr. H.E. shells, 15 per cent. of the 8" and 16 per cent. of the 9.2". In addition, Canada has supplied shell forgings, ammunition components, propellants, acetone, T.N.T., aluminium, nickel, nickel matte, aeroplane parts, agricultural machinery and timber, besides quantities of railway materials, including no less than 450 miles of rails torn up from Canadian railways which were shipped direct to France."—From Canada's War Efforts, issued by Director of Public Information, Ottawa.

Preparations are under way for the International Live Stock Exposition, to be held at the Union Stock Yards, Chicago, from November 30 to December 7. Every effort is being made to make this the greatest exhibition in the history of the Show. Liberal prizes are being offered in the various classes of live stock, and demonstrations of various kinds will be conducted throughout the show. The preliminary classification of the International Live Stock Exposition is now ready for distribution, and these booklets can be had on application to the Secretary, B. H. Heide, Chicago, Ill.

The Every Purpose Spark Plug

No matter what car you own—what gas engine you use or for what purpose you use it—there is a

Champion

Dependable Spark Plug

that will develop its maximum power and meet its most exacting requirements.

The asbestos-lined copper gasket on each porcelain shoulder is a patented Champion feature that guarantees long life and ensures perfect performance under hard usage.

The name "CHAMPION" on each porcelain is your guarantee of a spark plug that means "Absolute satisfaction to the user or free repair or replacement will be made."

At dealers everywhere

Champion Spark Plug Co. of Canada, Limited
53 Windsor, Ontario.

PEERLESS POULTRY FENCE

A Real Fence—Not Netting

Strongly made and closely spaced—making it a complete barrier against large animals as well as small poultry. Top and bottom wires No. 9—intermediates No. 12 wire—made by the Open Hearth process which time and other tests have proven to be the best. Send for catalog. Ask about our bars and cross-roads. Agents wanted in unassigned territory. The Howell-Henric Wire Fence Company, Ltd., Winnipeg, Man., Hamilton, Ont.

OXFORD DOWN SHEEP

One of the Oldest Established Firms in America

Although we have sold our farm at Arkell, we are still in the sheep business stronger than ever, having secured other land expressly for sheep.

Present offering: 100 yearling rams and 50 yearling ewes. Orders taken for ram and ewe lambs for later delivery. All bred from our own importations. Prices reasonable. Communicate to:

HENRY ARKELL & SON, 70 Beaty Ave., Toronto, Ontario
Phone at present under name of T. Reg. Arkell

Southdowns and Shropshires

We have an unusually choice lot of shearing rams of both breeds to offer as flock headers and for show purposes. Inspection and correspondence invited.

LARKIN FARMS (Please mention Farmer's Advocate) QUEENSTON, ONT.

MAPLE VILLA OXFORD-DOWNS

Present offering—A select lot of yearling and ram lambs, which are rich in the blood of the leading English breeders including Hobbs, Brassey, Horlick and Stillgor.
J. A. CERSWELL, R. R. No. 1, BEETON, ONT.

I am offering **BERKSHIRES OF SPRING FARROW** Just what you need to win at the fall shows. One 4½ months red bull calf of good quality, from R. O. P. dam.
FRANK TEASDALE, Concord, Ont. (Concord G. T. R. station, 100 yards)

Morrison Tamworths and Shorthorns—Bred from the prizewinning herds of England. Tamworths, both sexes; boars from 2 to 12 months. Shorthorn bulls, from 5 to 10 months old, reds and roans—dandies.
CHAS. CURRIE, Morrison, Ontario.

CHESTER WHITES
Now offering an imported litter, sired by Schoolboy 17, junior champion Michigan, Ohio, and Ill. Dam sired by the Grand Champion of Missouri, Ohio and Michigan State fairs.
John G. Annesser - Tilbury, Ont.

ELMHURST LARGE ENGLISH BERKSHIRES
From our recent importation of sows, together with the stock boar, Suddon Torredor, we can supply select breeding stock, all ages. Satisfaction and safe delivery guaranteed.
H. M. VANDERLIP, Breeder and Importer, R. R. 1, BRANTFORD, ONTARIO
Langford Station on Brantford and Hamilton Radial

Springbank, Ohio Improved Chesters
Young sows, bred to Sunny Mike =15917, first at Toronto in 1917. All ages, both sexes, at all times. Satisfaction guaranteed. Inspection invited.
Wm. Stevenson & Son, Science Hill, Ont.

INVERGIE TAMWORTHS
Five large litters just weaned. A choice lot of young sows and boars. Breeding stock from prize-winning herds. Priced right for quick sale.
Leslie Hadden, R. R. No. 2, Pefferlaw, Ont.

Cross-Bred Cow in England Yields 16,239 lbs. of Milk.

EDITOR "THE FARMER'S ADVOCATE":

We in England have been a bit prejudiced against a national system of keeping milk records. Gradually the thing is spreading in first-class herds of dairy cattle, but it is as yet a slow process.

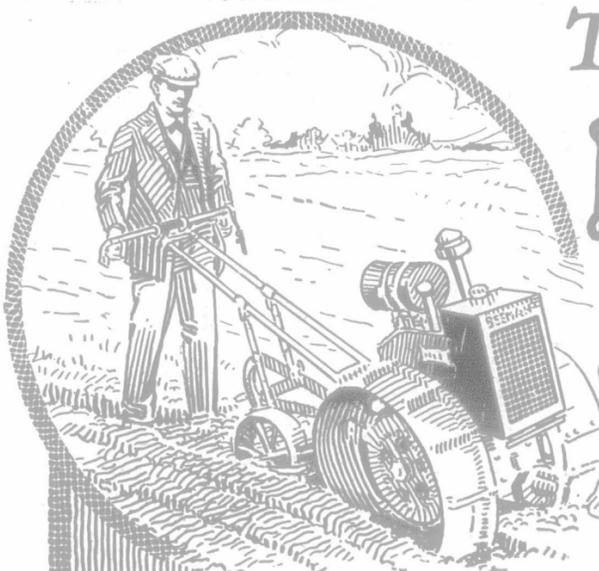
In commercial herds of dairy cattle—and my word "commercial" covers a multitude of sins—better progress is being made. It is true our commercial dairy cattle in England are largely composed of Shorthorn crosses. Friesian or Holstein crosses rank next; Ayrshire, Galloway and Red Poll crosses come next; but the commercial Shorthorn, non-pedigree cow is the every-day farmer's cow in England, with Penrith, Carlisle and the Cumberland and North Lancashire cattle marts as the chief sources of supply.

Of course there are some of these commercial Cumberland cattle which are as pure-bred as some of our dukes and earls who came over with William the Conqueror—I spell it William and he was a Norman—no, not a Mormon! However, there are in England thousands of Shorthorn-bred cattle. They come no man knows where from; they are bought in the market place and they do their 8, 9, 10, 11, and even their 16,000 lbs. of milk each lactation, or from year to year, all according to how their records are kept. But the trouble in the past has been to persuade British dairymen to keep milk records. As long as it was obvious to their eye that a cow paid for her keep at the pail, so long was she kept; and so long also was her male calf fatted for veal and lost to the countryside.

But the spirit of the dream is changing. Our dairy farmers, thanks to the Board of Agriculture at Whitehall, are getting even more commercial, or shall I not say businesslike? They are going in for keeping records. E. B. Shine, head of the Live Stock Branch of the Board of Agriculture, London, England, has evolved a scheme and invited farmers far and wide to join up the local milk recording societies which now are twenty-four in number and carry 478 members with 531 herds and a total number of 13,853 cows. Now Mr. Shine has just sent me his first register of cows who have yielded 8,000 lbs. of milk and over for the year ended September 30, 1917—a period you will note when the grass begins to fail in many parts of England. Now this initial register of authenticated records concerns 572 cows. Some 396 of them are Shorthorns and Shorthorn-bred (which means that there are doubts as to their ancestry); 60 are Lincolnshire Red Shorthorns; 58 are Friesians; 10 are Red Polls, and 45 are cross-breeds pure and simple, whose lineage is as dark and unknown as poor little Topsy's in Uncle Tom's Cabin.

Let us consider first what the "un-fashionable cows in this book have performed. Six of the forty-five cross-bred cows beat the 10,000-lb. mark; one, Belle, a roan, calved about 1909 and bred and owned by Henry Steven, Crockham Bridge, Edenbridge, and five times calved up to September 30, 1917, yielding 11,730 1/4 lbs. of milk, weighed weekly. An Amptill cross-bred cow, Maudie, runs Belle fairly close with a yield of 11,143 1/4 lbs.

Among the 396 Shorthorns (and Shorthorn-bred stock) 149 cows get beyond the 9,000-lb. mark, thirty-eight beat 10,000 lbs., thirteen do better than 11,000 lbs., eight yield more than 12,000 lbs., and three gave over 13,000 lbs. of milk. One did her 15,321 lbs., and another 16,239 lbs. This latter record is the Shorthorn-bred cow's highest in this volume. Stella, the big yielder herself, is a roan, calved about 1905, and she had had nine calves up to September 30, 1917. Her breeder is unknown but her present possessor is J. D. Rowden, Cuxham, Wallingford. "Unknown" also are the breed or descriptions of her sire and dam, but she herself is of the Shorthorn type and her milk has been weighed and checked daily. Her herd mate, Susan, a 1907 roan, also owned by Mr. Rowden, but whose "antecedents are unknown," gave her 15,231 lbs. Mr. Rowden obviously has a rare lot of milkers in his herd, for two of "type of sire and dam unknown" have yielded 9,120 lbs. and 9,875 lbs., respectively. Other Shorthorn-bred stock of his made 10,395 lbs. and 10,325 lbs. There are pedigree cattle in this register, but the main object of the Board's scheme is obviously to encourage among dairy farmers the breeding of high-class dairy cattle the breeding with authenticated records and of indisputable milk ancestry. Milking qualities



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are largely hereditary and the progeny of a heavy milking cow are likely to inherit the characteristics of their dam. It is, therefore, of the first importance that the dairy farmer should have a record of the performance of his cows and should select the heavy milkers to breed from for his own herd. Dairy qualities are also transmitted through the bull used, and it is equally important to be able to show that he is descended from a heavy milking strain.

And now to the pure-breeds in this book. The pride of place is held by the Friesian, Eske Hetty, who trotted out her 19,646 lbs. of milk. She has since done 20,000 lbs., the first cow in Britain to achieve such an "incredible" performance. We do not like high velocity records in Britain, but we have had to accept this 20,000-lb. one of Eske Hetty! Two other Holsteins follow her with 17,056 and 16,611 1/2 lbs., respectively, and nineteen other Friesians got over the 10,000-lb. mark. Nine of the Lincoln Reds beat 10,000 lbs.; one of the Red Polls did 10,431 lbs., and an Ayrshire, 9,340 1/2 lbs. You can whack these pedigree figures all to blazes over in Canada I know, but how do you go on your cross-bred stunts? Have you got a cow—supposedly of Shorthorn ancestry—who can do her 16,239 lbs. of milk, in twelve months? If so, tell me and I'm undone, but I've told my story and that is what I'm here for! ALBION.

The Girl—"I think I ought to tell you before we are married. I am a somnambulist."

The Soldier—"That's all right. I'm a Baptist myself, but I can go to your church one Sunday and you can come to mine the next."—"Wait".

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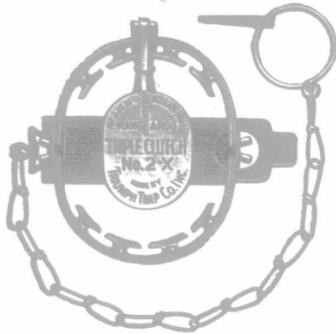
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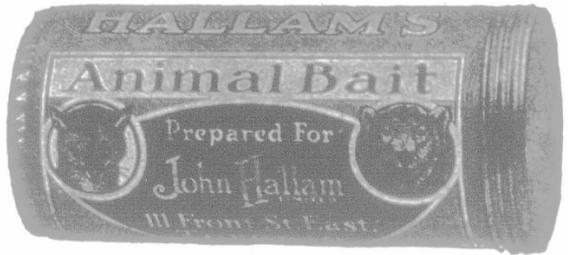
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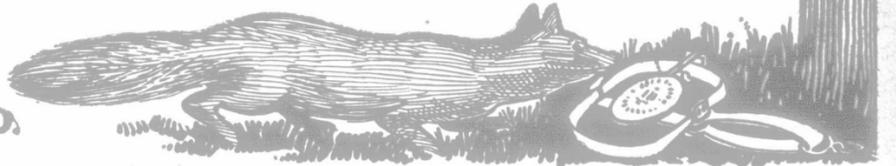
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During 1917, 11,363 cars of live stock were handled over the lines of the Canadian Northern Railway System as compared with 7,245 during 1916. This is an increase of 4,118 cars or 57 per cent.

During 1917 the produce shipped from stations on the Canadian Northern Western lines reached a total of 24,618,000 pounds as compared with 21,436,000 pounds in 1916, an increase of 3,182,000 pounds or 15 per cent. The butter shipped amounted to 8,146,000 pounds as compared with 6,826,000 pounds in 1916.

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an increase of 1,320,000 pounds. The cheese shipped totalled 1,072,000 pounds as compared with 780,000 in 1916, an increase of 292,000. Eggs, in 1917 amounted to 5,980,000 pounds as compared with 5,682,000 in 1916, an increase of 298,000 pounds. Dressed meats handled over the lines amounted to 9,108,000 pounds in 1917 as against 7,866,000, an increase of 1,242,000. Dressed poultry shipments totalled 312,000 pounds during 1917 as compared with 282,000 in 1916. The percentage of increase for butter handled was 19 per cent.; cheese 37 per cent; eggs 5 per cent; dressed meat 16 per cent. and dressed poultry 11 per cent.

Gossip.

Through the courtesy of the Secretary of the American Shorthorn Breeders' Association, Volume 94, the latest Herd Book, has been received at this office. It is a large volume of nearly 1,000 pages and is printed on high-quality paper. This book contains the names of the directors and owners, and the breeding of animals numbering from 547001 to 577000. The animals are all indexed at the back of the book so as to facilitate finding the breeding in the main part of the volume.

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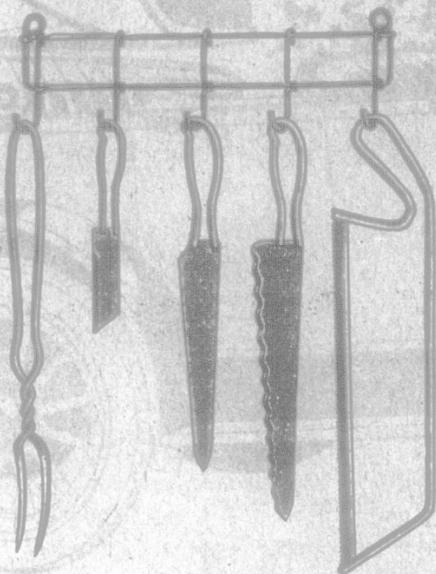
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Nearly every day we are receiving names of new subscribers, as a result of the practical interest and friendship of those who have been reading the paper for years, and who want to extend the work it is doing, by increasing the number of readers. We greatly appreciate these friendly acts for the paper which has been fighting for the Farmers' interests for over fifty years, and as a recompense we offer the premiums shown on this page.

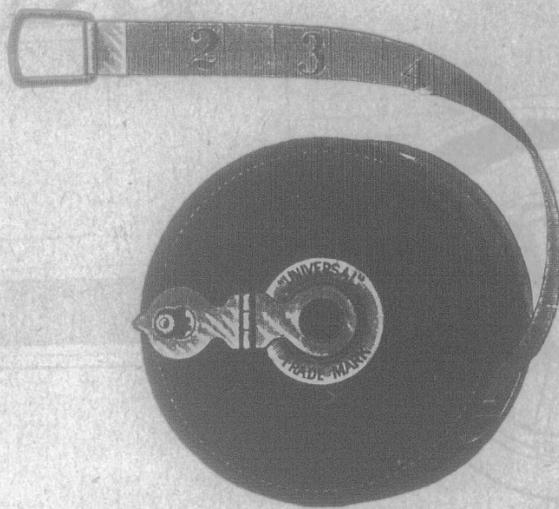
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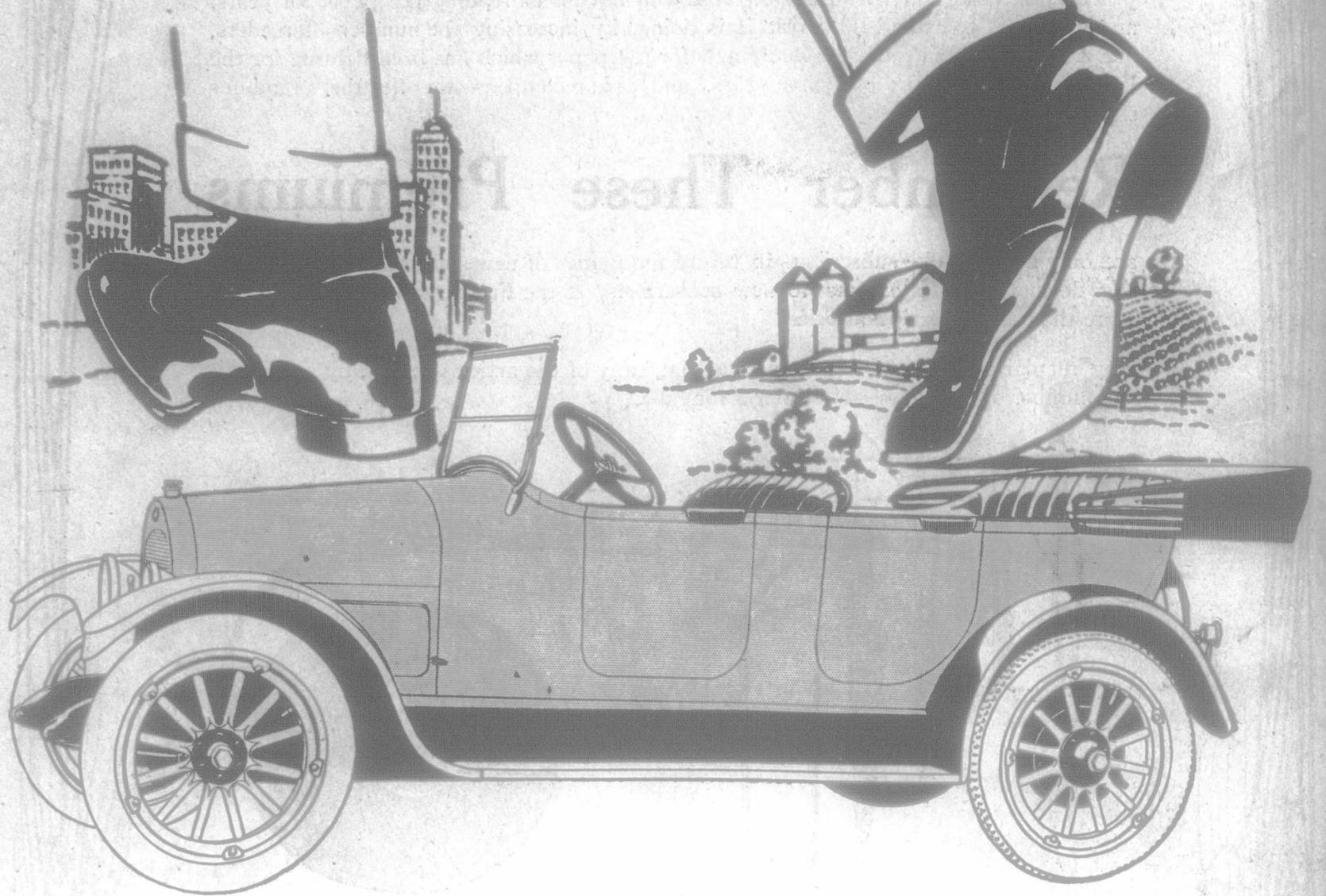
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