

ER 1, 1903

ld Have a

Get our special prices this month

Toronto, Canada.

G & C ST ESSES CIALITY

Life

Ont. Invest. om

ve, Fig. 1.

ve, Fig. 2.

ve, Fig. 3.

OE.

FENCE.

ces from om

MILTON, CANADA.

TON

d best. ners say:

2th, 1903.

at gauged in much work y interested ables. ex-M. P.

ut space will ose who sell particulars.

R,

THE FARMER'S ADVOCATE

AND HOME MAGAZINE

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

PUBLISHED AT

REGISTERED IN ACCORDANCE WITH THE COPYRIGHT ACT OF 1875.

PUBLISHED AT

VOL. XXXVIII. LONDON, ONTARIO. SEPTEMBER 15, 1903. WINNIPEG, MANITOBA.

No. 582

CONTENTS OF THIS NUMBER.

	PAGE.
ILLUSTRATIONS. —TWO NOTED CHAMPION MARES	843
MAMMARY TUMOR IN SOW	844
THE AGED BULLS AT THE DOMINION EXHIBITION, TORONTO, 1903	845
FIRST-PRIZE HERD OF AYRSHIRES UNDER TWO YEARS	845
YORK LADY MATCHLESS 17TH 12041	846
BUILDINGS ON PROVINCIAL GOVERNMENT FARM, TRURO, N. S.	847
LOGGING SCENE AT ENDERBY, B. C.	849
IMP. ROYAL ARCHER	853
BLUE BLOOD 52898	856
EDITORIAL. —LAYING UP FERTILITY	841
AUSTRALIAN FARMERS PROSPECTING IN CANADA	841
SECURING STRONG SIRE	841
WASTE PLACES	842
WINNIPEG BEATS CHICAGO	842
HORSES. —WEANING COLTS	842
WORKING COLTS	842
THE FARMER'S HORSE	843
START A BALKY HORSE	843
TRIM HORSES' FEET	843
THE TWO-MINUTE TROTTER	843
STOCK. —TRANSCONTINENTAL CATTLE ROUTE	843
FARM CHORES	843
GOOD, BUT NEED PUSHING	843
SOME LESSER LIGHTS IN THE BREEDING WORLD	844
A MAMMARY TUMOR IN A SOW	844
AMERICAN VETERINARY MEDICAL ASS'N ANNUAL MEETING	845
THE STANDARD	846
EARLY MATURITY IN SHEEP	847
SOME PHASES OF AGRICULTURE IN N. S.	847
THE DOMINION EXHIBITION	847
FARM. —PREMIUMS AND FREE SAMPLE COPIES	855
GOOD ROADS CONVENTION	855
TRACTION ENGINES ON PUBLIC HIGHWAYS	855
RURAL MAIL DELIVERY POPULAR	856
U. S. AGRICULTURE	856
WHEAT RATES REDUCED	856
STUMP LIFTER WANTED	858
DAIRY. —EFFECT OF SALT ON COLOR	856
MATURER CHEESE	856
THE NEW DAIRY TEXT-BOOK	856
THE DAIRY DEPARTMENT OF THE DOMINION FAIR	856
GARDEN AND ORCHARD. —FRUIT AT TORONTO EXHIBITION	857
CANADIAN HORTICULTURISTS	857
POULTRY. —POULTRY AT THE DOMINION INDUSTRIAL EXHIBITION, TORONTO, 1903	857
POULTRY JUDGING	857
THE CANADIAN WHITE PLYMOUTH ROCK CLUB	858
APIARY. —PREPARING STORES	858
THE PRICE OF HONEY	858
QUESTIONS AND ANSWERS.	
VETERINARY: NASAL GLEET; COUGHING HORSES; LUMP ON BACK; UNTHRIFTY CALF; SWELLING ON HORSE	858
MISCELLANEOUS: STORING MANGELS; DESMODIUM ACUMINATUM AND FERN; SHOWING A FREE-MARTIN; BUTCHERING; LEAF MOLD AS FERTILIZER; HEIFER FAILING TO BREED; STORING OATS UNDER BARN; HOW TO CORN BEEF; LANDLORD AND TENANT; UNSECURED LOAN—HOLDING AN ENDORSER; CORN FOR SILO	858, 859
NOTES AND NEWS. —LIST OF FAIRS FOR 1903	859
CLYDESDALES FOR CANADA	859
ONTARIO ENTOMOLOGISTS	859
THE SEASON IN LANARK	860
CROP NOTES, CUMBERLAND CO., N. S.	860
TEACHERS' SALARIES	860
CONDENSED POTATOES	860
PROF. J. A. CRAIG	860
HOPE FOR THE INDIAN	860
THE FARMERS' ASSOCIATION	860
PROF. D. D. MAIN	860
SUGAR BEETS IN BRUCE	860
MARKETS. —BUFFALO MARKETS	860
CHICAGO MARKETS	860
TORONTO MARKETS	860
MONTREAL MARKETS	860
BRITISH MARKETS	860
HOME MAGAZINE. —THE FAMILY CIRCLE	861
THE QUIET HOUR	862
ROSA BONHEUC (ILLUSTRATION)	862
THE CHILDREN'S CORNER	862
INGLE NOOK CHATS	863
GOSSIP	870, 871, 872, 873, 875, 876, 877, 878
DOMINION EXHIBITION, TORONTO, PRIZE LIST	865, 869
BOOK REVIEW	871
TRADE NOTES.	869, 870, 872
ADVERTISEMENTS	837 to 849, 865 to 880

Bell

PIANOS,
ORGANS,
PIANO PLAYERS
AND BELLOLIAN

Self-Playing Organs.
The Best Canadian Pro-
ductions. They satisfy.

BELL

Organ and Piano Co.

LIMITED.

GUELPH, ONTARIO.

Send for Free Catalogue No. 40.

THE Sovereign Bank

OF CANADA.

Head Office, TORONTO.
Chief Executive Office, MONTREAL.

BRANCHES:

AMHERSTBURG	MARMORA	ST. CATHARINES
CLINTON	MILVERTON	STIRLING
CREDITON	MONTREAL	STOUFFVILLE
DASHWOOD	MONTREAL	SUTTON, P. Q.
EXTON	WEST END	TORONTO
HARROW	MT. ALBERT	UNIONVILLE
HAVELOCK	NEWMARKET	WATERLOO, P. Q.
HENSALL	OTTAWA	ZURICH
MARKHAM	PERTH	

This Bank is fully equipped to transact all business in accordance with modern ideas. Savings Bank Departments at every Branch. Deposits of \$1 received. Interest paid twice a year. No delay in obtaining money when needed. Interest allowed from date of deposits. No trouble, red-tape or delay.

D. M. STEWART, General Manager.

X-RAY

and Electro-Therapeutic Rooms,

for the treatment of Cancer, Skin Affection, Rheumatism, Enlarged Glands, etc.

DR. PINGEL, 444 WELLINGTON ST., LONDON.

BOVRIL



BOVRIL contain all the nourishment of the finest lean beef in the most highly concentrated form. It is invaluable for invalids, as it is Very Palatable and Easily Digested.

SUNLIGHT SOAP

Unless the soap you use has this brand you are not getting the best

Ask for the Octagon Bar.

BETTER GET BEST SHINGLES AND KNOW THEY WILL LAST.

Eastlake Steel Shingles

Are long since proved the best for all farm buildings. They are lightning proof, prevent fire, never rust, and can't leak because of their patent side lock. Either galvanized or painted, and any handy man can quickly put them on.

THE METALLIC ROOFING CO'Y LIMITED

Toronto, Montreal, Winnipeg

WINDMILLS



A CANADIAN (Galv'z.) AIRMOTOR

Will do more work than any other implement ON THE FARM Grinding, Straw-cutting, Pulping, Pumping, etc.

BEWARE OF NEWFANGLED WINDMILLS

Made largely to sell (you). We make a GOOD ARTICLE and stick to it.

Ontario Wind Engine & Pump Co., Limited, TORONTO, ONTARIO.

WOODSTOCK STEEL WINDMILLS

Galvanized or Painted. For Power or Pumping.



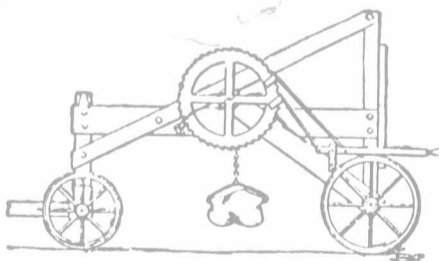
DANDY Windmill

with Graphite Bearings, runs easy and controls itself in the storm. GRINDERS, PUMPS, WATER TANKS, DRINKING BASINS AND SAW BENCHES.

WOODSTOCK WIND-MOTOR CO., WOODSTOCK, ONT. (Ltd.)

BOYS FOR FARM HELP.

The Managers of Dr. Barnardo's Homes invite applications from farmers, or others, for the boys who are arriving periodically from England to be placed in this country. The young immigrants are mostly between 11 and 13 years of age; all will have passed through a period of training in Dr. Barnardo's English Institutions, and will have been carefully selected with a view to their moral and physical suitability for Canadian life. Full particulars as to the terms and conditions upon which the boys are placed may be obtained upon application to Mr. Alfred B. Owen, Agent Dr. Barnardo's Homes, 214 Farley Ave., Toronto.

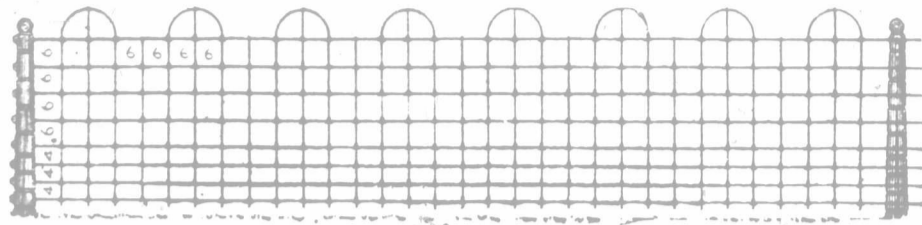


THE NEW STONE AND STUMP EXTRACTOR BREVETED BY LEMIRE.—Capable of lifting 18,000 lbs. Has no equal for lifting and carrying stones, etc., for placing stones so as to build up fence to 5 ft. high and leave the ground in a condition fit for mowing and reaping machines. After the hooks are adjusted on the stones, the only thing to do is to pull the lever. You can lift up a thing, carry it and place it on a stone fence in 10 minutes. The agricultural societies and clubs of farmers should all buy it. Price moderate. For complete details address: JOHN AMIRAUX, 40 LANSDOWNE AVE., TORONTO, ONT. This Stone Extractor is guaranteed for the extraction and transportation of 40 to 50 stones a day, fixed in fence.

Guaranteed as mentioned above. Agents wanted.

Ferro-Nervo

(The French Nerve Tonic). A positive cure for men and women suffering from weakened nerve force, constant depression, gloomy forebodings, palpitation of the heart, worry, sleeplessness, nervous prostration, and all exhausted and deranged conditions of the vital forces, irrespective of cause, duration or condition. Your druggist, or by mail, in a plain sealed package, \$1.00 per box, or six boxes (that treatment) \$5.00. Your money back if it does not cure you. THE ROYAL CHEMICAL CO., Dept. F. A., Windsor, Ont.

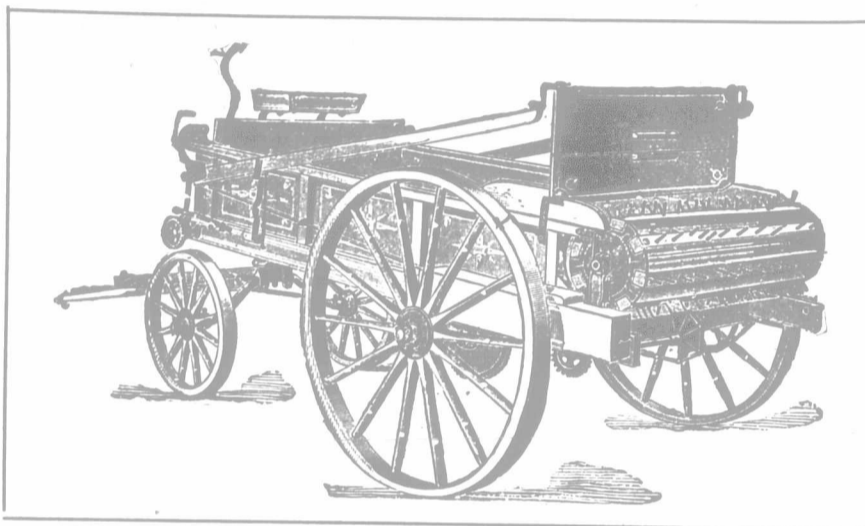


This Fence is particularly suited for cemetery, orchard and garden. Made of wickets 12 inches wide, and any length required. The price is less than that of the other ornamental fences, and in a long stretch this is a consideration.

The ANCHOR FENCE is made of all No. 9 wire, either plain or coiled.

ESPLEN FRAME & CO., Stratford, Ont. AGENTS WANTED.

Kemp's 20th Century Manure Spreader.



A CROP-MAKER and A LABOR-SAVER.

Riverdale Farm, Hillhurst, Q., Aug. 5th, 1903. J. L. Thornton, Esq., Gen'l Agt., Barnston, P. Q.: Dear Sir,—I have used the "Kemp's 20th Century Manure Spreader" which I recently purchased from you, and wish to add my testimony as to its merits. It works to perfection; in fact, far ahead of my expectation, and I believe we will derive double the benefit from the manure spread with this machine, over the usual method of spreading by hand, as the Spreader pulverizes the manure very finely and spreads it so evenly that there are no lumps left on the land. I never invested in any implement that I consider my money so well spent as in the Spreader, for it is such a labor saver and manure saver as well. Wishing the "Kemp" Manure Spreader every success, I am, Yours truly, J. A. McCLEARY, breeder of Scotch Shorthorn cattle.

Drop a postal card for our Booklet, entitled "Multiplying His Acres." The KEMP MANURE SPREADER CO., Limited STRATFORD, ONT.

The Livingston Linseed Oil Co., Ltd., BADEN, ONTARIO, Manufacturers of strictly pure

Old Process Linseed Oil Cake and Meal, also Ground Flax Seed. Write for prices.

SUPERIOR

MATERIAL, DESIGN, WORKMANSHIP IN ALL

WAGONS

MADE BY



GENUINE Pratt's Astral Lamp Oil

SOLD IN ALL COUNTRIES, AND RECOGNIZED AS THE HIGHEST-GRADE OIL MANUFACTURED.

WHOLESALE ONLY.

THE QUEEN CITY OIL CO., Limited, TORONTO.



ROCK SALT for horses and cattle, in ton and car lots. Toronto Salt Works, Toronto.

Farmers Contemplating Marriage, AS WELL AS Those Already in Wedded Bliss,

should present their bride or family, as the case may be, with a BEAUTIFUL MASON & RISCH PIANO.

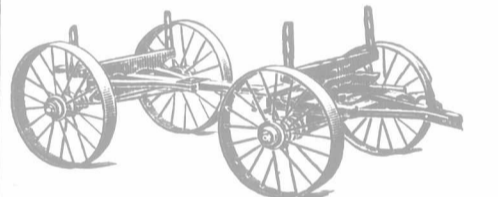
Liberal allowance made for old pianos and organs. Call and get our prices before buying.

The Mason & Risch Piano Co., Ltd., 211 Dundas St., London

Wide-Tire Metal Wheels FOR WAGONS

Made to fit any axle, of any desired height or width of tire. Are stronger, lighter and cheaper than wooden wheels. Just the thing for the farm. Our

QUEEN CITY HANDY WAGON.



With metal wheels, is low and convenient for farm and general work. Made by skilled workmen, and of the best material. Guaranteed to carry four to five thousand pounds. Write for catalogue with full description of both Wheels and Wagons.

Dominion Wrought Iron Wheel Co., Ltd., ORILLIA, ONT.

ARE YOU LIVING IN THE TIN-PAN AGE?

WHY skim your life away in a profitless pursuit of economy?

EXILE the old methods of separation.

GET the New Century American Cream Separator. It gives more and better cream, sweeter skim milk, purer butter and less waste.

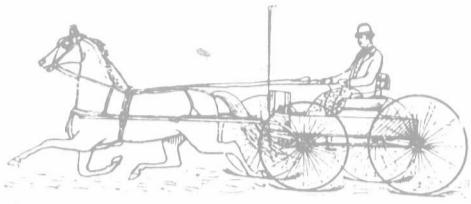


WRITE us about it before you turn the page. C. RICHARDSON & CO., P. O. Box 1048, ST. MARY'S, ONT.

STAMMERERS

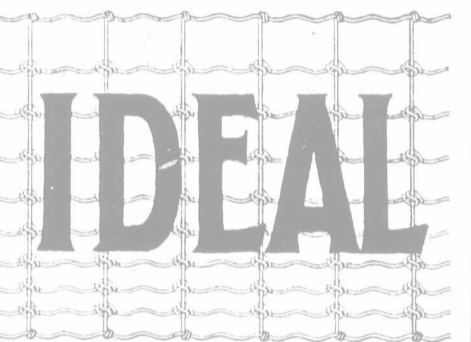
THE ARNOTT INSTITUTE, BERLIN, CANADA. For the treatment of all forms of SPEECH DEFECTS. Dr. W. J. Arnett, Superintendent. We treat the cause, not simply the habit, and therefore produce natural speech. Write for particulars.

DAVIDSON'S Late Improved Warehouse and Lumber Milling Mills and Bee Supplies. Circulars on request. DAVIDSON, 100-102, Lebridge, Ont.



McLAUGHLIN CARRIAGE CO'Y, LIMITED,
OSHAWA, ONT.

The "ONE-GRADE-ONLY FIRM," operate the largest carriage factory in the empire, and make **Carriages, Cutters and Carts** that have a reputation from ocean to ocean for style, durability and elegance. Easy-running vehicles, comfortable, roomy cutters our hobbies.



IDEAL WOVEN WIRE FENCING
Heavy Hard Spring Wire Throughout. See our exhibit at Toronto, London and Ottawa Fairs, or write to-day for Catalogue.

We have recently removed to our new factory, and address hereafter will be
THE McGregor, Banwell Fence Co., LIMITED,
WALKERVILLE, ONTARIO.

BRITISH COLUMBIA FARMS

Mild climate, the best dairying country in North America. No blizzards. No cyclones. No droughts. No hot winds. No summer frosts. No cloud-bursts. The heaviest crops per acre in Canada. We make this statement without fear of contradiction. Cool nights and good water. The best price for all kinds of farm produce. **THE CALIFORNIA OF CANADA,** with land at one-tenth the price. Write for farm pamphlet to

THE SETTLERS' ASSOCIATION,
BOX 540 VANCOUVER, B. C.
Please refer to this paper.

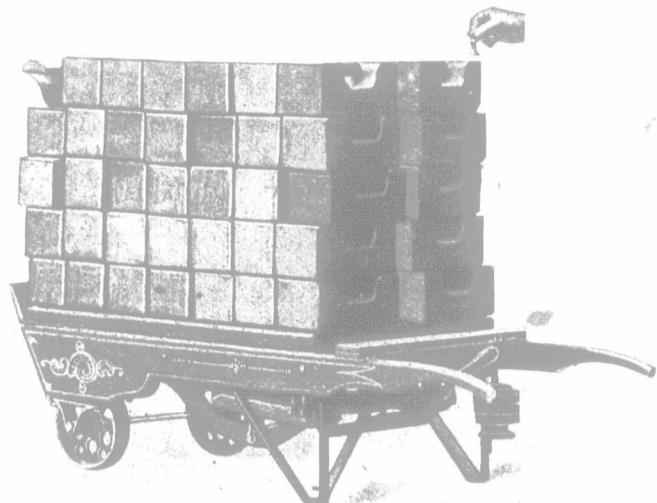
CANADIAN LANDS!

Farming and Ranching Lands for Sale in the best districts on the Calgary & Edmonton Railroad and in the Yorkton, Beaver Hills, Quill Lakes, Prince Albert and Carrot River Districts and in all parts of Manitoba.

LOANS MADE. INSURANCE EFFECTED.
Companies represented:
Calgary & Edmonton Land Co., Ltd.
Qu'Appelle, Long Lake & Saskatchewan and Co., Ltd.
Western Assurance Co.
Winnipeg Western Land Corporation, Ltd.
Ontario & Qu'Appelle Land Co., Ltd.
Law Union & Crown Assurance Co.
North of Scotland Canadian Mortgage Co., Ltd.

CHAS. HAMMOND & NANTON,
LAND DEPARTMENT,
WINNIPEG, CANADA.

THE CHATHAM FARM SCALE



Patented May 5th, 1903.
CAPACITY 2,000 LBS.

Loaded with a ton of iron as you see it, 1 lb. will raise the beam.

HANDY AS A WHEELBARROW.

Accurate, and will remain accurate, because it has diamond steel pivot bearings, and a very simple drop lever action, and levers made of solid castings.

Send for Prices and Circular.

THE M. CAMPBELL FANNING MILL COMPANY OF CHATHAM, LIMITED.

Joseph Rodgers & Sons Limited,
SHEFFIELD, ENGLAND.

Please see that this EXACT MARK is on each blade.

JAMES HUTTON & CO., MONTREAL, SOLE AGENTS IN CANADA.

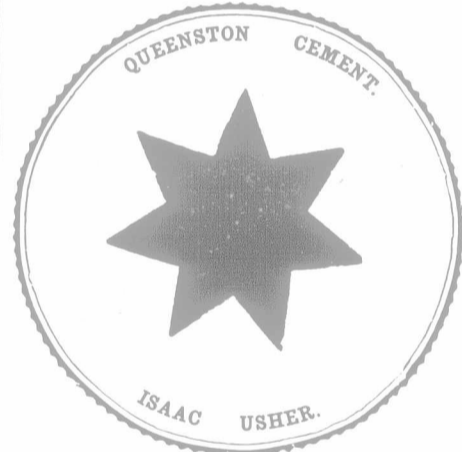


BARN FLOORS

Made with the New-Process

QUEENSTON CEMENT

are the cheapest and best. Read what our customers say:



Mr. I. Usher, Queenston, Ont.:
In the fall of 1900 I laid stable floors with Portland and Queenston cement gauged in the same proportions with gravel, and find the Queenston barrel will do as much work and is just as durable as the Portland barrel, although I was led to believe by interested parties that this was not true, but am forced to admit the proof in my own stables.
Yours truly,
(Sgd.) D. D. ROGERS, ex-M. P.

We have many such testimonials coming to us every day, voluntarily, but space will not allow us to publish them here. Do not be misled by statements from those who sell the goods most profitable to themselves. Write for prices, estimates and full particulars.

ISAAC USHER,
Queenston, Ontario.

YOU DON'T NEED A DICTIONARY

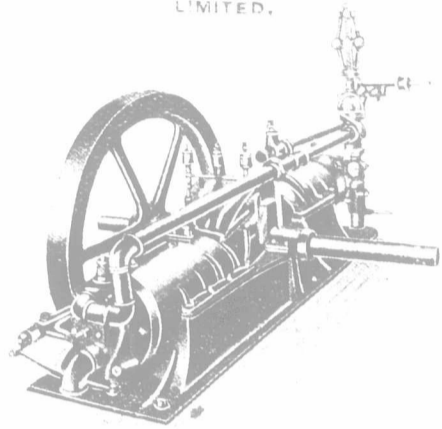
To Understand the Merits of **THE UNITED STATES SEPARATOR**
They are familiar to Dairymen Far and Near:

THE CLOSEST SKIMMER OF ALL SEPARATORS. MOST ECONOMICAL. CLEANEST AND EASIEST. MOST DURABLE. BEST AND MOST PROFITABLE.

Sold by Our Agents and Bought by Discriminating Dairy Farmers Everywhere
Made by **VERMONT FARM MACHINE COMPANY,**
BELLOW'S FALLS, -VT.

McLACHLAN

Gasoline Engine Co. LIMITED.



Our threshing engine, friction pulley and fly wheel removed. Write for prices, etc.

McLachlan Gasoline Engine Co., Ltd.
201 QUEEN STREET, EAST,
TORONTO.

Now Is a Good Time TO INVESTIGATE

the advantages offered to all who are able and willing to WORK, in

NEW ONTARIO.

Free Lands;
Cheap Lands;
Good Markets.

Write for information to **HON. E. J. DAVIS,**
Commissioner of Crown Lands,
TORONTO, ONT.

BRITISH COLUMBIA.

"Fruitland," Kamloops, B. C.

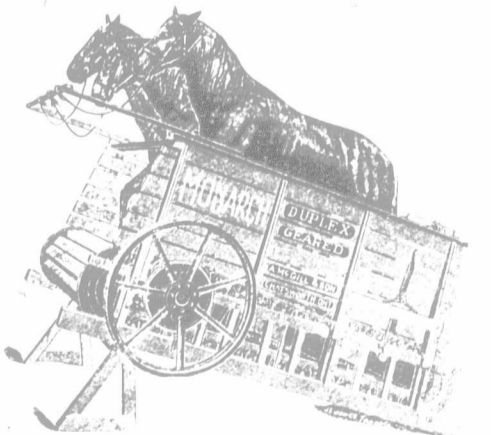
Newly-developed irrigated lands in the beautiful fertile valley of the Thompson River, on the main line of the C. P. R., within half a mile of the City of Kamloops, the inland capital of British Columbia, and a well-known health resort. Magnificent soil for fruit of all kinds: Apples, pears, cherries, plums, peaches, grapes, strawberries, and all kinds of vegetables grown in abundance. Perfect climate; air dry and bracing. Good schools, churches, boating, shooting, fishing, etc. For full information apply to:

Manager, Canadian Real Properties, Ltd.,
Box 185, Kamloops, B. C.

WANTED.

Thoroughly qualified man to take charge of dairy of 20 cows, peddle milk, etc. Comfortable home and permanent position for competent, industrious man. References required as to character and experience. Apply to **A. J. KENDALL, Manager Walker Farms, WALKERVILLE, ONT.**


McGILL Tread Powers



The **McGILL MONARCH TREAD POWERS** are the best general purpose Farm Powers on earth, and are the only Powers made having Angle Steel Track, Cold Rolled Steel Shaft, 7 inch Traxels, Solid Maple Legs, with Brake entirely independent of Band Wheel. A Patent Governor or speed Regulator with each machine.

A. McGILL & SON
CHATSWORTH, ONT.

This man is helping many **FARMERS' SONS** to acquire a good business education by carrying the **MAIL LESSONS** from the correspondence department of the **CENTRAL BUSINESS COLLEGE OF TORONTO**



Rates are discounted 50% for this month. Write for particulars. Address **W. H. SHAW, PRINCIPAL.**

BOECKH'S

BAMBOO-HANDLED

BROOMS

are the most popular brooms on the market to-day because they are absolutely the best brooms made. Scientifically constructed, they carry the weight where it is required (in the broom end), thus saving labor and doing perfect work.

SOLD BY ALL DEALERS.

Look for name "Boeckh" and two Stars on handle of broom—none genuine without.



CONDITION POWDERS.

Condition powders are dead. Herbageum killed them. The stockman or horseman who uses Herbageum regularly needs no condition powders, and yet in one of our leading farm papers, in the Veterinary Columns, we find the following question: "What is the best condition powder?" and the V. S. in charge recommends the usual V. S. compound, in which antimony, sulphate of iron, etc., take equal parts.

These are drugs that act directly on the system and are, therefore, injurious, and any apparent benefit obtained by their use is not permanent.

Herbageum is intended for regular use, and where it is used regularly condition powders are not needed.

Herbageum contains no antimony, arsenic, copperas, saltpetre, resin, sulphate of iron, or any substance that cannot be safely fed regularly every day, and yet it will put a horse or other animal in condition and the benefit will be permanent.

This is neither guesswork nor vain boasting. It is a fact disputed only by those who have not and will not test the matter. The following letter is a sample of the opinion of those who are not prejudiced:

"I have a horse that, from bad care last fall, became hidebound and generally in a bad condition. I used Herbageum, and after a month's use of it his hide loosened, and now he is in a fine condition again—full of life. I find it beneficial also for my cow, she giving more milk this season than ever before."

A. G. THORBURN.

Broadview, N.-W. T.

GO TO
The Best.

IT PAYS BEST IN THE END.

The **CANADA BUSINESS COLLEGE**, CHATHAM, ONT.

with its 27 years of successful work to its credit, stands without a peer in Canada in the line of BUSINESS or SHORTHAND training. 346 students placed in good positions in the past eleven months shows what we do for our students when graduated. Our Catalogue is the handsomest issued by any business school in the Dominion. Copy sent by addressing, **D. McLACHLAN & CO.,** Chatham, Ont.

LEAMINGTON BUSINESS COLLEGE

If you intend to take a business or shorthand course, you want the best. Then you must take it at **Canada's Best School.**

We have the best courses, and do only high-grade, thorough work. Railway fare allowed on tuition. Write for catalogue "F1." Fall term begins Sept. 1, 1903. Phone 45 **A. L. BROWN, Principal.**

WE MAKE A SPECIALTY OF FINE HAND-MADE

Driving Harness.

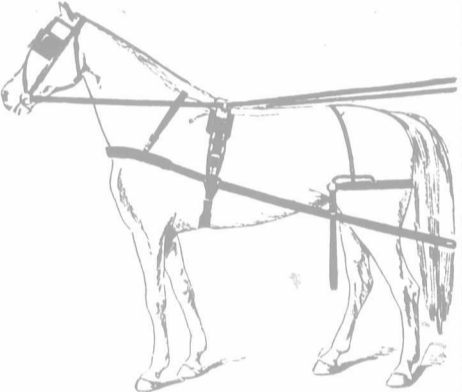
Our prices put high-grade harness within the reach of every horse-owner.

MONEY SAVED IS MONEY MADE.

And why should we not save you money on your harness? Every harness guaranteed; shipped anywhere for examination.

SEND FOR CATALOGUE.

MACGREGOR BROS
HIGHGATE, ONT.



CENTRAL Business College

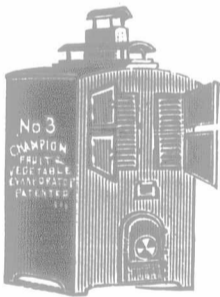
STRATFORD ONT.

A large, progressive and successful school. Write for catalogue.

W. J. ELLIOTT, PRINCIPAL.

Champion Evaporators

Save Your Fruit and dry it with **Maple Syrup Evaporator.**



Champion Fruit Evaporator.

Dries all kinds of fruit and vegetables, producing a superior quality of clean white fruit. It is made of galvanized iron, is lined throughout with asbestos, is fireproof and portable. Made in five sizes.

Catalogue for the asking.

Not a single feature of the "Champion" Evaporator could be dispensed with and leave a perfect Evaporator. Durability, rapidity, and high quality of product, with saving of fuel, are its features. Our sectional pan system makes it easy to handle, and everlasting. Write for catalogue, state number of trees you tap, and an estimate of your requirements will follow.



THE GRIMM MANUFACTURING CO'Y,
84 WELLINGTON STREET, MONTREAL.

The Berlin X-Ray and Electro-Therapeutic Laboratory.

X-RAYS—Electricity in all its varied forms and high frequency currents used successfully in the treatment of cancer, fibroids, goitre, sciatica, asthma, chronic rheumatism, all forms of nervous ailments, rectal diseases, rupture, varicocele, tubercular glands and joints, paralysis (some forms), facial blemishes, superfluous hair, etc., catarrh of the nose and throat, and other chronic ailments. For further information address, **DR. J. E. HETT, BERLIN, ONT.**

Catalogue Printing Our Specialty.

Many of the best Catalogues in Canada are produced by us. Latest type faces, designs, ornaments, and modern machinery. Best in America. Up-to-date covers designed by special artists without extra charge.

London Printing & Litho. Company, Ltd.,
LONDON, ONTARIO.


Alma College

FOR YOUNG WOMEN.

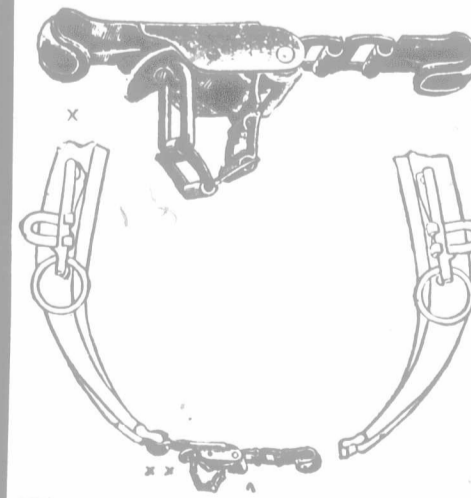
Patronized by the best people of all religious denominations who desire the best education attainable for their daughters.

Six fully equipped departments, each presided over by an experienced specialist. *Booklet free.*

REV. R. I. WARNER, M.A., D.D.,
Principal.
St. Thomas, Ont.



STEEL IS STRONGER THAN LEATHER



The **ROY DODSON'S PATENT HAME-CHAINS** will outwear a dozen ordinary leather straps.

They are stamped out of sheet steel, and are adapted to all kinds of work harness. Quickly adjusted in this way:

Hook end X into hame loop; close down with hammer, as shown at XX; unbuckle at A, hook into right hame and pull up same as leather strap, but finger in ring, pull up tight.

THE EMPIRE COMBINED PICKET PIN AND SWIVEL.

It is all steel—stiff, strong and light. Has a perfect turn-round and swivel. Tether rope cannot wind. Easily driven into ground. The inventor has tethered, from spring till fall, 25 to 40 work-horses and mules, saddle horses, oxen and cows.



The Empire Machine and Metal Stamping Co., Ltd. 1012 Yonge Street, Toronto, Canada.

We work all kinds of sheet steel, brass and aluminum to any shape. Write for circulars.

Western Dairy School, STRATHROY, ONT.

Maintained by the Ontario Government. Reopens Dec. 1st, 1903.

Special Creamery Course—Dec. 1st to Dec. 23rd, 1903.
Regular Dairy School Course—Jan. 4th to March 24th, 1904.

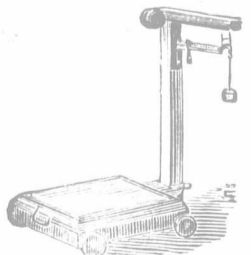
Lectures and practical work on all branches of dairying, cheesemaking, buttermaking, separators, milk-testing, farm dairying, domestic science, bacteriology, chemistry, factory bookkeeping and engineering.

School well equipped. Send for circulars and application forms.
GEO. H. BARR, SUPERINTENDENT,
STRATHROY, ONT.

Standard Scales

For railroad, hay, live stock, dairy, coal and platform.

For prices and particulars write or call on



GEO. M. FOX, YORK STREET, LONDON, ONT.

The Farmer's Advocate

"PERSEVERE AND SUCCEED." and Home Magazine.

ESTABLISHED 1866.

VOL. XXXVIII.

LONDON, ONT., AND WINNIPEG, MAN., SEPTEMBER 15, 1903.

No. 582

EDITORIAL.

Laying Up Fertility.

After the heat of harvest and the hurry of fall seeding, one again takes up the work of fall preparation for a succeeding crop. Clear, bright autumnal days spent behind a plow drawn by a capable team develop more character in a man per ten hours than any other of the seasons or farm operations. Something of the eventide of nature seems to imbue those days. With a benign sky, a restfulness observable in all things, and a changing hue in all vegetation, indicating the approach of nature's night, one follows the plow from end to end, and questions the soil and receives its replies just as two friends converse for an hour or two on a summer Sunday evening. It is at such times as these that farmers are born and developed. In the keen enjoyment of turning a clean, straight furrow, all the annoyances and petty losses of the year are forgotten, and plans are laid to coax or cajole the bounties mother earth is delighted to give to those who consistently humor her.

Time spent behind the plow would not be fully improved did one not turn from his airy castle building and mental wanderings to an inquiry into the relationship between his work and the prospective crop, to a recognition of the importance of thoroughly plowing, disking, harrowing, or whatever the work might be. Too long the idea of plowing and cultivating to cover refuse, stubble, kill weeds, or some other very evident reason, has been entertained as the only object in view. In too many cases an enquiry into all the results of cultivation is never made. Seldom is tillage considered in its relation to the food of plants. About the beginning of last century an English farmer named Jethro Tull advanced the principle that tillage, and tillage alone, will create and supply the food of plants, and will in most cases render manure wholly unnecessary. Such a statement, although exaggerated, contains considerable truth, the significance of which might well be remembered when following the plow this fall.

It is a wise provision of nature that plant food or fertility exists in two forms in the land, the available and unavailable. The provision not only economizes fertility, but also deprives those who do not carefully and intelligently cultivate to make it available of its benefits, and rewards with good crops those who by fining the soil liberate its plant food. Something of the importance of finely dividing the soil can be seen by an example a hard lump of clay, such as is found on a well-used road, is about the most unproductive soil one could choose upon which to grow a crop, and similarly all the way down through the different degrees of lumpiness there is a varying degree of productivity in the soil, indicating that plant food is made available by the division of the soil into finer and finer particles. Such being the case, it would appear that the making available of plant food might go on into infinity, since divisibility is infinite. How much then of this fining and dividing of the soil is done at fall plowing? The answer will depend upon several conditions of soil, of implements used, and the manner of using them.

When the objects of plowing are to cover ref-

use vegetable matter, kill weeds, loosen up the subsoil and fine the particles of the soil, an implement that will best perform all these operations at the same time is obviously the best article to use. Unfortunately, the plowing that looks best, that sets up nicely on edge, and presents a beautiful even comb, is not the kind of work that best pulverizes the land nor is the most economical of time. With such plowing the furrow slice must be narrow, and turned with such a gradual movement that it is not crumbled or broken as it is being inverted, and were it not for the action of our severe frosts, it would be much more difficult to work such land up than it is at present. True, land so plowed gives a large amount of soil to be harrowed down, but the furrow slice below is not broken up, and thus retains in an unavailable form the plant food contained in it. A plow with a short mould-board, turning an abrupt furrow, answers the purpose much better, as in the sharp turn the furrow slice is broken and crumbled, thus encouraging the decomposition of sod and the liberation of fertility. Plowing of this sort, however, must be well done. It must not be left too flat nor turned very shallow if it has to lie under the winter's snows and rains before being worked up. Plowing that leaves the furrow slice unbroken and flat on the bottom of the furrow is the worst kind of plowing that can be done. A plan commended where time will permit of its being carried out, is to cover lightly sod, stubble, etc., early in the fall, so that it will decompose, and then to leave the land in narrow drills over winter, so that the frost will pulverize it and separate the particles, thus liberating food for the crop which is to follow.

Such treatment is most rational on land that has borne a deep-feeding crop like potatoes or roots. In such cases the cultivation that is necessary to keep down weeds during summer also liberates the plant food at the surface of soils so treated, while the deep-feeding roots exhaust the available plant food at the lower levels. Under such conditions nothing can be gained by turning the available fertility to the bottom of the furrow and bringing the exhausted soil to the surface, especially if the succeeding crop is to be a shallow feeder, as is generally the case. But land laid up in drills in the fall must be carefully treated. It does not do to lay up high drills, but they should rather be under the average height and not more than eighteen inches apart, in order that the land may be more easily worked level the following spring. With the mind upon the question as one follows the plow across the fields, the details of the methods of cultivation can easily be arranged, and instead of blindly turning the soil from year to year, often for no particular use, an intelligent, labor-saving course can be pursued.

Australian Farmers Prospecting in Canada.

It seems a long way to come to engage in harvest operations from Australia to Canada, yet a party of twelve Australians from South Victoria came in on the Aorangi, with the object of working through the Canadian harvest and obtaining a knowledge of prevailing conditions. Their intentions are to stay here should a favorable impression be made by their experience.

Securing Strong Sires.

The importance of using only strong, vigorous, thrifty sires in breeding any class of live stock should be always kept in view, as upon the character and condition of the sire very largely depends the quality and thrift of the offspring. Of such vital importance, indeed, is constitutional vigor in maintaining the health and profitable feeding propensities of animals, that it should be a first consideration in selecting a male animal to head the herd or flock, to see that he possesses this quality in a high degree. To this end, if one is to be purchased, it is well to look for and secure him early in the season, before the supply of the best has been picked over, the strongest and most desirable taken and the weaker left.

It is well known by experienced breeders that a male animal is peculiarly liable to be affected in his procreative powers by a change of feed or feeder, and by a change of environment and condition; so much so, indeed, that it is not uncommon to find that one that has been proved a sure-getter has been unfruitful for the first few months after removal to new and strange surroundings and conditions. For this reason, if for no other, therefore, the prospective sire should be secured some months before his services are needed, in order that he may become accustomed to his new home and fare, and become contented and in a thriving and vigorous condition. It is idle to expect the best results in breeding if the sire is fretful and discontented, losing flesh and in a low state of vitality. And to put him to service while in that condition, almost inevitably makes matters worse for him and for his owner, rendering the animal weaker and less sure as a breeder, and his offspring, if any are begotten, correspondingly weak and unsatisfactory, while time is being lost in building up the herd through the uncertainty of his fertility, and the owner and his patrons are kept in doubt and suspense as to his future usefulness.

In breeding both beef and dairy cattle, it has in late years been found most profitable to have the calves born in the fall months, dairy products selling higher as a rule in winter, and calves thriving better with the care received in winter quarters than when exposed to summer heat and the plague of flies. The best cows in pure-bred herds are usually bred to produce early in the fall, as among their offspring the show calves are most likely to be found, and these receive the best treatment to develop the most desirable qualities, whether for beef or for dairy purposes. In selecting a bull calf, therefore, it would appear to be wise to choose early, from the early crop, for the dual reason that they are generally from the best dams, and are of the best age for service at the end of the year, when their services are most required, or when they are from fifteen to sixteen months old, which is as early as they should be allowed to serve. And the same principle applies equally to other classes of stock. If a ram lamb is to be used, an early lamb is preferable, because of his added strength, and if he is to be purchased it is better to secure him early and have him acclimated, accustomed to his new surroundings, and in a thriving condition, as he will be more likely to be sure and to sire strong offspring than if

THE FARMER'S ADVOCATE AND HOME MAGAZINE.

THE LEADING AGRICULTURAL JOURNAL IN THE
DOMINION.

PUBLISHED SEMI-MONTHLY BY
THE WILLIAM WELD COMPANY (LIMITED).

TWO DISTINCT PUBLICATIONS—EASTERN AND WESTERN.

EASTERN OFFICE:
CARLING STREET, LONDON, ONT.

WESTERN OFFICE:
IMPERIAL BANK BLOCK, CORNER BANNATTYNE AVE. AND MAIN ST.,
WINNIPEG, MANITOBA.

LONDON (ENGLAND) OFFICE:
W. W. CHAPMAN, Agent, Mowbray House, Norfolk street,
London, W. C., England.

JOHN WELD, MANAGER

- THE FARMER'S ADVOCATE is published on the first and fifteenth of each month.
- It is impartial and independent of all cliques or parties, handsomely illustrated with original engravings, and furnishes the most profitable, practical and reliable information for farmers, dairymen, gardeners, and stockmen, of any publication in Canada.
2. TERMS OF SUBSCRIPTION.—In Canada, United States, England, Ireland and Scotland, \$1 per year in advance. All other countries, 8s.
3. ADVERTISING RATES.—Single insertion, 20 cents per line, agate. Contract rates furnished on application.
4. THE ADVOCATE is sent to subscribers until an explicit order is received for its discontinuance. All payments of arrearages must be paid as required by law.
5. THE LAW IS, that all subscribers to newspapers are held responsible until all arrearages are paid and their paper ordered to be discontinued.
6. REMITTANCES should be made direct to this office, either by Money Order or Registered Letter, which will be at our risk. When made otherwise we will not be responsible.
7. THE DATE ON YOUR LABEL shows to what time your subscription is paid.
8. ANONYMOUS communications will receive no attention.
9. LETTERS intended for publication should be written on one side of the paper only.
10. WE INVITE FARMERS to write us on any agricultural topic. We are always pleased to receive practical articles. For such as we consider valuable we will pay ten cents per inch printed matter. Criticisms of Articles, Suggestions How to Improve the ADVOCATE, Descriptions of New Grains, Roots or Vegetables not generally known, Particulars of Experiments Tried, or Improved Methods of Cultivation, are each and all welcome. Contributions sent us must not be furnished other papers until after they have appeared in our columns. Rejected matter will be returned on receipt of postage.
11. ALL COMMUNICATIONS in reference to any matter connected with this paper should be addressed as below, and not to any individual connected with the paper.

Address—THE FARMER'S ADVOCATE, c/o
THE WILLIAM WELD COMPANY (LIMITED),
LONDON, CANADA.

taken from comfortable conditions and thrown into a strange flock, where he will almost certainly lose strength and vitality from the first. If a young boar is to be purchased for fall and winter service, it is wise to select him from an early spring litter, and have him inured to the conditions of his new quarters before his services are required. Having secured a strong sire, it goes without saying that to ensure the best results from his services it is important that he be kept in a healthy, thrifty condition, by judicious feeding and treatment. His rations should be of a muscle-forming rather than a fattening nature, and, hence, should be of a varied description, in which grass, roots or other succulent foods should form a considerable part, together with bran and oats and good hay. A moderate amount of exercise at all seasons is also essential to his best health and development, and his greatest usefulness. While what has been written here as to the selection and care of the sire will, we think, be accepted by stockmen as sound doctrine, it may be said with equal soundness that there is no better season in the year than the present for purchasing females, to found or supplement a herd. After the ample exercise had in the pastures during the summer, animals are in the best condition for going on well and gaining rather than losing flesh, and if a cow or a sow be due to produce in the early fall, her progeny will be stronger and better for the exercise received by the dam during pregnancy, while in the purchase of sheep this is decidedly the best season to secure ewes as well as rams, and the early buyer gets the best selection.

Horsemen often wonder which of the two require the more cleverness, to be honest or to cheat. There is the least said about the average driver's honesty, and few seem to take notice of it, or at least to speak of it, but just let him cheat a little and everybody on the track will talk about it, and say that they always knew he was a thief.

Waste Places.

Great fortunes have been made in industrial establishments by stopping leakages and utilizing waste products. On hundreds of farms waste is in progress that would make poor men rich.

Observe the waste through lack of tile drains. This season, with its wet "spells," caught the owner of undrained land, and its fertility was wasted through late seeding and subsequent flooding of low-lying fields. Year after year, what would be the richest of land produces nothing but coarse, sour grass, for want of a drain.

Acres of good land on many a farm are wasted with useless "snake" rail fences skirted with weeds.

First-class implements that cost lots of good money waste away with rust and rot lying exposed to weather, or used as a hen-roost under a tree, for want of a cheap, rough-boarded implement shed.

Good tools are wasted, left on the ground in the yard or alongside the fence where the last job was done, and hours of precious time hunting them up when next they are wanted.

The life of vehicles, implements and buildings is wasted for want of a coat of good paint applied in time.

Think of the waste through the atrocious barbed-wire fence? In these enlightened days there is positively no reasonable excuse for its construction. Why will men continue to damage their good cows, blemish or destroy their best horses, and tear their own clothes and hands? Echo answers: Why?

Years of time, money, good food, energy and industry are all wasted to a greater or less extent by keeping inferior live stock and the use of scrub males.

Good crops are grown in orchard, garden and field, and then deliberately wasted through defective fences that give the freedom of the place to the inquisitive pig or the exploring cow, always hungry for fresh fields of conquest.

Good milk and cream is produced and then wasted through contamination in filthy milk rooms, worn-out apparatus and bad methods in cream-ripening and butter-making.

The health and lives of wives and daughters are wasted ruthlessly, or thoughtlessly, through overwork, an inconvenient house, the long-distance pump, and want of labor-saving devices, such as the "men folks" must have around the barn.

Precious time is wasted loafing in town or about the village groggery, talking "politics" or scandalizing the neighbors, when men should be home minding their own business, improving their minds and homes, or doing something for the benefit of their fellows.

Some men wonder why they are hard up. The wonder is that the red flag was not on the gate-post long ago, and its owner over the hills to the poorhouse.

If the cap does not fit you, good friend, you need not put it on.

Winnipeg Beats Chicago.

The figures of the Dominion Grain Inspector, of the grain inspected at Winnipeg for the year ended August 30th, are announced, and are as follows: Inspected in Winnipeg—Wheat, 51,833,000 bushels; oats, 3,051,000 bushels; barley, 565,200 bushels; flax, 655,000 bushels; spelt, 1,000 bushels; total, 56,117,200 bushels.

Figures of receipts at Fort William and Port Arthur for the year ended August 30th are also posted, and are: Wheat, 31,237,823 bushels; oats, 1,698,963 bushels; barley, 345,928 bushels; flax, 16,167 bushels. The difference between Winnipeg and Fort William figures indicate local consumption and all rail shipments.

Referring to these figures, Secretary C. N. Bell, of the Grain Exchange, has issued a statement, in which he says he does not think the Canadians fully realize the volume of grain being shipped from Western Canada. The figures show that Winnipeg receipts of wheat greatly exceed those of Chicago or of Duluth. The figures are: Winnipeg, 51,833,000 bushels; Duluth, 42,016,923 bushels; Chicago, 37,940,953 bushels. Mr. Bell says: "It will now be in order, so far as relates to the grain arrivals at least, to abandon the long saying, 'Winnipeg will some day be a second Chicago,' for Chicago makes but a poor show compared with this market in wheat handling."

HORSES.

Weaning Colts.

The age at which colts should be weaned is to a great extent governed by circumstances. Under ordinary conditions it is well to allow the mare to nurse the foal for four months or longer. If, when the foal be this age, the mare is required to do regular work, I think both will do better if the foal be weaned. On the other hand, if the mare be in fair condition, not required to work, and still yielding a reasonable quantity of milk, the foal will do better if not weaned for a month or two longer, and the mare, having no labor to perform, will not suffer. The ordinary process of weaning, which consists in separating mare and foal, and allowing no further intercourse for several weeks, or until the mare has ceased to secrete milk and the foal to look for it, is, in my opinion, irrational, wasteful and uncalled for.

It is probably unnecessary to state that colt should be taught to eat crushed or chopped oats, bran, etc., before the process of weaning commences, otherwise he will be sure to suffer and grow thin. Experience has taught all feeders or breeders of stock that sudden or violent changes of diet or usage with any class of stock is dangerous and often expensive. When this is the case with adult animals, it is reasonable to expect it to be more marked in the young; hence, in order to avoid danger of digestive diseases in the young, and trouble with the mammary gland and possibly digestive trouble also in the dam, we should exercise good judgment and be satisfied to take considerable trouble when weaning the colt. In most cases the mammary apparatus is still quite active, and a considerable quantity of milk is being secreted when the owner decides that it is time to wean the colt. The colt, in addition to the grass and grain that he has been eating, has thus far also been accustomed to the milk. In fact, this has been his principal diet, and if suddenly deprived of it he cannot avoid failing in condition and fretting. Then again, the secretion of milk in the mare will not cease all at once, and unless the gland be relieved of it, mammitis will be the result. Instead of milking the mare by hand, and, of course, making no use of the milk, as is usually done, the colt should get the benefit. My idea of the proper process of weaning is as follows: When it is decided to wean the colt, he should be placed in a comfortable box stall, by himself or with other colts. There should be no mangers or boxes into which he can rear or jump and probably hurt himself, and the door and walls should be so high that he cannot jump over them, nor get his fore feet over. The mare, if needed for work, should be taken out; if not required for work, should be tied in a stall, or placed in a box stall, at considerable distance, probably better if they be out of hearing. The mare should be taken to the colt three times daily for a few days (say a week) and left for 15 or 20 minutes each time. The second week twice daily will be sufficient, and the third week once daily, and this continued so long as any considerable quantity of milk is secreted. In this way each gradually becomes accustomed to be separated from the other. The change of diet for the colt is gradual, and he receives the benefit of the milk that would otherwise be wasted. It also obviates danger of mammitis in the mare, and the gland gradually becomes inactive. In the meantime, the young thing should be given about all the nice, well-saved clover hay and chopped oats he will eat. I like finely chopped oats, and consider it good practice to steam them by pouring boiling water on them in a pail, covering the pail with a rubber sheet to prevent the escape of steam, allowing it to stand for a few hours, and then feeding. A mess of this kind night and morning, and a few whole oats with a carrot at noon, in addition to hay and a feed of bran about twice weekly, has given good satisfaction. Where practicable the addition of cow's milk gives excellent results, but this is not often easily obtainable. After the colt has ceased looking for his dam he should be allowed to take exercise daily in the yard or paddock, and his feet should be trimmed every few weeks. Usually the wear is not equal to the growth in these cases, and if not attended to the feet will be an abnormal size and shape, which may permanently injure him; hence, they should be trimmed to the natural shape as occasion demands. "W. H. P."

Working Colts.

Colts of the heavy draft breeds are put into hard work sometimes too soon, merely because they are large and have the appearance of strength. The heavy bone is soft, and the muscles are not closely knit. The three-year-old can do a lot of work without injury, but it must be work that demands no severe straining. It is with every one's difficulty that the four-year-old, in the best condition when worked continuously, does best work demanding no strain is all that can be done safely by the heavy, loose-jointed horse until it is five years old. If it

pays its way during these two years it does enough, and the profit will come from having a sound draft animal when it begins to reach maturity.—[Farm and Fireside.

The Farmer's Horse.

Secretary Wilson, of the United States Department of Agriculture, who is intensely alive to the interests of the farmers of his country, has recently had some things to say about the breeding of horses that applies with a good deal of force to conditions in this country, and bears out the observations of "Whip" in a recent issue of the "Farmer's Advocate." In his opinion the draft horse is about the most profitable horse that the farmer can breed. He says:

"The draft colt can be bred with less risk and liability to accident than those of the lighter classes. This is partially due to the fact that the draft-bred colt is usually a quieter animal than those of the lighter classes, and thus less liable to injure itself through spirited exercise or playfulness. Furthermore, small bunches and blemishes which detract so seriously from the value of the harness or the saddle horse are not considered to be so objectionable in the draft horse; and another consideration, his education can be completed on the farm; thus the farmer who breeds him can secure his real market value. In the case of the coach or the saddle horse, the middleman who educates him usually reaps a much greater profit than the man who produced him. This is not true of the draft horse.

"A draft horse without good feet is worthless on any market, hence good feet are the very first essential of a draft horse; or, in fact, any class of horse. The hoofs should be large; round and wide at the heel. They should have width, but not be too deep or shallow. The horn should be of good quality, as indicated by its denseness. The wall must be strong and not inclined to be flat. The legs should be well set under the body and possess plenty of substance, as indicated by the quality and amount of bone and the development of the muscles on the forearms and gaskins. The body should be deep, wide and strongly coupled, as indicated by shortness of back and the muscling of the loin. Good action is essential, as indicated by the length of stride, quickness of step and straight-away movements.

Start a Balky Horse.

"For the benefit of those who have been caused a great deal of anxiety by a balky horse, lost trains as well as tempers, and even sometimes ruined the horse," says a correspondent in the Ho-shoers' Journal, "I will give your readers a remedy which, no matter how bad he is, will start such a horse 99 times out of 100. Of course it may fail one time in a hundred. When a horse balks, no matter how badly he sulks or how ugly he is, do not beat him; don't throw sand in his ears; don't use a rope on his forelegs or even burn straw under him. Quietly go and pat him on the head a moment; take a hammer or even pick up a stone in the street; tell the driver to sit still, take his lines, hold them quietly, while you lift up either front foot; give each nail a light tap and a good smart tap on the frog; drop the foot quickly, and then chirp to him to go. In 99 cases out of 100 the horse will go right on about his business, but the driver must keep his lines taut and not pull or jerk him back. The secret of this little trick is simply diversion. I am a firm believer that with kindness and proper treatment a horse can be driven with a string."

Trim Horses' Feet.

Horses that go unshod all summer should have their hoofs trimmed periodically. An overgrown hoof is necessarily an unshapen one. The overgrowth renders it so, but in nine cases out of ten it is unshapen in more respects than that of size, for when the hoof is neglected nature proceeds to correct the matter, and pieces break off, often making the horse bear on one side, or backward or forward. Such abnormal conditions will not fail in a short time to affect the hoof functionally, and not only the hoof but also the muscular development of the leg. It often takes the whole winter to correct such a condition, with frequent visits to and operations in the blacksmith shop, when judicious trimming during the summer would have obviated the whole trouble.

There is to have a correspondence course in agriculture. The method is too slow for Iowa. What's the matter with murmuring the instructions over the telephone?—[Live-stock World.

The Two-Minute Trotter.

In spite of all the prophecies to the contrary, accompanied by figures to show the impossibility of a horse trotting a mile in two minutes, the feat has been accomplished, and Lou Dillon, with a record of just two minutes, is now the holder of the world's trotting record. Her quarters in 30 1/4, 30 1/2, 30 1/4 and 29 seconds could not have been better rated in order to admit of a mile in two minutes. Almost all horsemen expected to see Lou Dillon beat Cresceus' record of 2.02 1/4 the first time she started under favorable conditions, but it is safe to say that few among those who saw her performance at Readville really looked to see a mile as fast as two minutes, although there were some who thought she would eventually trot that fast. Now that she has done the trick, there are not a few who are of the opinion that she has not yet reached her limit, basing their reason on the fact that she is but five years old, and can, therefore, be expected to improve with another year or two of added age. By her performance at Readville, Lou Dillon has put an end to the long continued discussion as to the possibility of a trotter ever being able to cover a mile in two minutes. She may be the reigning queen for years, and another wonder may develop as quickly and as unexpectedly as she herself did. The fact that one trotter has accomplished what until within a few years was looked upon as an impossibility, furnishes pretty good grounds for believing that eventually her equal, and perhaps her superior, will appear and keep her company in the two-minute list.—[Horse World.

Farm Chores.

Chores embrace any job that can be found to do or that may be required to be done (after a day's work is done, say some) outside the routine of the farm, and may consist of milking the cows and feeding pigs and hens, and from the way the term is used, chores are a nuisance, something to be done as rapidly as possible, albeit a part of present-day farming.

Right here is where average methods of farming have the main leaks, by degrading the care of the live-stock to a chore, something to be done quickly, and, unless in the faithful worker, to be skimmed if time presses.

The current use of the term by far too many farmers shows them to be possessed with the idea that between farming and stock-breeding there is a wide gulf—a gulf that is never narrowed by keeping stock and giving it chore methods of attention. Live stock must be kept to ensure continuance of soil fertility, but when we say kept, it must be given more than a bare existence.

The results of chore practices usually remain on the farm, yet many exhibits at local fairs, from horses to pigs, show the care of these animals to have been considered as chores, and their looks bear out lack of keep, although they were kept as the term is generally used.

The large farmer of the prairie, with an annual summer-fallow of a quarter section or more, does not condescend to consider the keeping of live stock as a necessary adjunct to his system of husbandry, although signs are not wanting to show that a system of agriculture without live stock is a very one-sided affair, although it is a question whether he would not be better without live stock altogether if it is only to be ranked as a chore.

The main cause for the detestation of chores is the fact that the time frequently taken to do them is generally stolen from the period which should be devoted to rest or recreation of some sort.

The very fact that such procedure is followed on any farm is evidence of one of two things, or both: First, the employer must be greedy and is seeking to take labor to which he is not entitled (that he in some cases does the work himself shows he is so blind as to cheat himself), or that he is not yet aware of the value of live stock, because he steals minutes for chores when he should allot hours to its attention. So long as he continues to conduct his live-stock operations under the name of chores, so long will he either lose outright or at the most will get only small returns when large should fall to his share. The sow that eats her pigs, the pot-bellied sow, the skim-milk-fed calf, the pigs which die from black teeth, the colt that scours badly, the hens that fall dead off the roost or are eaten alive there by lice, are generally kept under the chore regime. The chore farmer is often a dyspeptic, because of irregular house-wood supply and its sequence, cooking of variable quality; his diet, however, is seldom varied—choring gives no time for a garden or small-fruit patch. The old saying, and a true one, "What is worth doing at all is worth doing well," applies to farm practice as to everything else; therefore, live stock must be given a standing in the plan of farm work, for we may rest assured that neither scrub, grade or pure-bred will return dividends as long as the chore method of keeping it is adhered to. NOMAD.

Good, But Need Pushing.

The popularity of breeds, too, depends to a considerable extent on the breeders. Not half of those in this country are known extensively in other countries, and, indeed, many are little known outside their own neighborhood. There are breeds, as there are articles, that may force their way to the front, but nothing has yet been produced that will not get there sooner, and remain there longer, through pushing. We often hear the praises of obscure breeds sung by ardent admirers, and the lack of support they get bewailed. What is claimed for them has generally a good deal of truth in it, but merit alone is not sufficient in these days of keen competition.

How far we are from the perfect animal is realized when, looking at all these breeds, it may truthfully be said that few, if any of them, will not in certain circumstances show points of superiority over all others. An animal to stand supreme in all conditions is the dream of the idealist, and we must still be content to single out the breed that seems to fit our conditions the best. Some are adapted to circumstances less widely prevalent than others, but to attempt an improvement along other lines runs the danger of meeting stronger opposition, and losing ground in another direction. If the best tendencies are encouraged and developed, no breed will go to the wall so long as climate and other conditions remain.—[Farmer and Stock-breeder.



TWO NOTED CHAMPION MARES.
Adeline Macgregor on the left, and Princess Royal on the right.
BRED BY AND PROPERTY OF J. B. THOMPSON, HAMIGTA.

STOCK.

Transcontinental Cattle Route.

The Medicine Hat News continues to press the advantages of the National Transcontinental Railway as a cattle route. It complains of "the great prominence which is given the grain-carrying value of the new road, to the exclusion of the fact that there will be other commodities to freight out of the West besides wheat and grain." It goes on to say that the people of its district "are not particularly interested, as exporters of live stock, in the half-lake half-rail route of shipment. Our cattle must go to the Old Country markets all rail from the range to the port of ocean shipment." What the stockmen need is a "decent run to the seaboard." "If the Grand Trunk Pacific is built as proposed, on easy grades over which large trains can be handled expeditiously, it is almost an air line from Winnipeg to Quebec, and should be in a position to advantageously compete for the cattle-carrying trade to the direct advantage of the industry." The present routes are not satisfactory, and there have been loud complaints in the past. "It should be money in the pockets of the stockmen if a road is built which is free from the grades and curves through the rocky country north of the lakes, and over which it will be possible to handle larger trains, and over a route where it is also possible to go to the Government and demand a fair rate for transportation, and where the Government has been far-sighted enough to provide means of controlling and adjusting freight rates. In the ranching country this fall we are in a mood to give attention to anything which will tend to better conditions."

Some Lesser Lights in Breeding World.

(Continued.)

A stalwart farmer, feeder and breeder, is Robert Turner, of Cairnton, from whose farm came Royal Cairnton, of Chicago fame, in the hands of the Grahams. Smithfield winners have grown up here, also Highland cup winners. Mr. Turner favors a cross of the Highlander and Shorthorn for fat-stock show purposes. Mayflower 5th came from this herd. At the time of our visit the semi-annual flitting of the farm servants was taking place, a procedure which disarranges farm work seriously for a few weeks, although a local custom. Mr. Turner is of the opinion that the quality of farm labor is degenerating, but stated "a year or so in Canada always improves farm servants; they are often glad to get back, and are better workers after their Canadian drilling!" Quite a tribute to the hustle of the New World.

The name Marr is generally associated with Uppermill. There is another, however, John Marr, of Cairnbrogie, cousin to the noted bachelor breeder. From this farm came such Clydesdales as Cairnbrogie stamp and others, charged with Darnley blood, and as evidences of the longevity and wear of the breed, an old matron of eighteen summers was seen between the hills of a hay cart. The custom here is to breed mares at three or four years, working them two weeks after foaling for eight hours a day, divided into four periods. All in-foal mares are worked; weaning taking place when the foal is five to six months old. Foals winter on oats, bran and oat straw, and are out all day and every day during the first winter of their lives. The brood mares are given boiled roots, barley and cut hay each night during the winter, as Mr. Marr believes mares settle better to service during the season when so fed. The Shorthorns are good ones at Cairnbrogie, and include Emmas, Missies, Marias, Butterflys, Lady Dorothys and Rosenarys. The stud bull, Luxury, a Rosewood, is a red, lengthy, level five-year-old, with a good loin covering, a great handler, wide through the fore rib, a shade high on his back, which is not bare. Among the females were noticed a white Miss Ramsden and three Rosemarys, all of them white, sappy, meaty, compact and low-set; neither cattle nor horseflesh are pampered at Cairnbrogie.

At Dunglass, a few miles from Dingwall, one meets the Peterkins—brothers and sister—at whose comfortable farmhouse, overlooking the vale of Conon, is dispersed a home-like hospitality. Owners of a herd established thirty-five years ago by a master craftsman at breeding, the father of the present owners, one is not surprised to find an even lot of a very useful sort of cattle. A Duthie bull, Collynie Conqueror, a well-fleshed, low-set roan, heads the herd, which has sent its quota of good things abroad.

Durno of Jackston has been breeding Shorthorns for years, and in 1902, in a combination sale with Durno of Westerton, made great prices, many of the cattle journeying across the water in possession of Platt, Pettit, Edwards and Cochran. At the head of the herd was the heavy, white Lord Lynedoch (23 cwt.), a bull thick-fleshed, square-rumped, wide-backed and good arch to his fore ribs, although lacking in the lower thighs. The averages obtained for bulls at various sales are sufficient evidence of the success obtained in breeding Shorthorns. Sires recently used are Royal Sovereign, Remus (the sire of Choice Goods), Pride of Collynie (bought for 200 guineas, and later sold to His Majesty King Edward VII.), Cornelius, Prince of Rettie, Lovat Champion, Archer's Pride, Spicy King, the Willis bull, Stephen Fitz Lavender and others of note.

Pennan, the home of Cornelius, necessitates a drive of many weary miles, up hill and down dale, over an uninteresting peaty agricultural country, dotted here and there with hundreds of miserable low-roofed hovels, which go to make up so many of the Scottish villages. Craigie, the occupier of Pennan, is from the extreme north, and buys and deals as well as breeds Shorthorns. Among the cows are a Star of Morning and an Augusta; the herd bull, a massive, wide-backed roan, with covering and handling as desired, is the best thing on the place. He is a bit bare on shoulder, perhaps the penalty of advancing years, but with a depth and masculinity which has made him a more successful sire than his full brother, Corner Stone, for whom, with little reason, the drum is continually being pounded.

Granger, of Pitcur, breeds a few Shorthorns and cross-breeds. On the farm are high byres and big-roofed sheds, wherein cattle are fed, either loose or tied. A near neighbor is Henderson, the curler and stalwart fighter for the entrance of Canadian stores. In this locality are lived the Scotch feeders who are hard hit by the embargo, and in the same plight is the town of Dundee, whose wharves and pens for the reception of Canadian stores are, perforce, idle and a sinkhole for a lot of capital, principal as well as interest. Granger's Shorthorn sire is Count Nicholas, by Count Arthur, a wide-fronted roan, compact in his crops, well meated on his ribs, with a thick loin and deep twist, a wee bit high on the leg, and

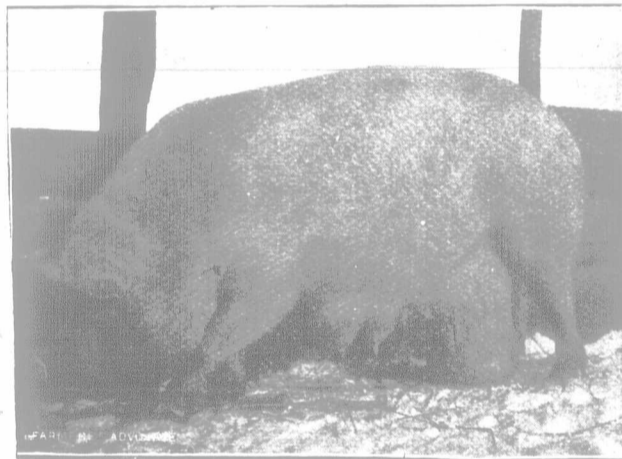
lacking a little filling on the rump. The feeding of sheep (Leicesters) fills out the husbandry practiced here. A linking of the present with the past is felt as one goes over the big rambling house, notes the 300-year-old holly tree, made famous by Claverhouse, and the fast-crumbling pile which gives the farm its name.

Cameron, of Balnakyle, is a breeder of repute, and has furnished Canada and the United States with female stock of late years.

McWilliam, of Stonyton, Mulhen, is a feeder of repute, probably better known that way than as a breeder of Shorthorns. Yet from this herd cattle have crossed the Atlantic, and as the block is the Ultima Thule of all Shorthorn breeding, his efforts are worthy of mention. Leicesters are also kept, but they are not of the type that finds favor over here.

Old Meldrum is the stepping-off place, if one is journeying to the Shorthorn Mecca—Tarves, and here the good people of Tillycairn, Collynie, Cairnbrogie, Saphock, Uppermill, Haddo House and the village of Tarves disentrain when returning from the mart at the granite city, Aberdeen. Not far from Old Meldrum is Saphock, where Wm. Anderson breeds a few Clydesdales as well as Shorthorns. This herd is fortunate to be headed by Prince of the Vale, a deep, level roan, that carries a load of meat well down over his shoulders and ribs, a bull of level lines, top like a table, and every appearance of vigorous constitution; Spicy King, a lengthy, level red, not the equal of the Prince in crops and girth; and the roan Prawith Bud, Golden Knight, whose depth, touch, girth, width of back, as well as covering, demand attention.

A visit to Scotland and the Shorthorn breeders there is incomplete unless one goes to Tilbouries, along Deeside to Marvulter, and then by the well-kept pike to the house and home of that quaint, unassuming farmer, John Young. Cattle from this herd invariably do well after crossing the water, and the reason is plain: absolutely no



MAMMARY TUMOR IN SOW.

pampering is given cattle by the owner, a busy man, who is efficiently aided in caring for his Roan Ladys, Butterflys and Cinderellas by the womenkind of his establishment. At the time of our visit Rosetta 7th, a fine-looking red-roan cow, had at her side a cow calf that will be heard of, as will the cow calf of Rosetta 5th, if good luck attend. Here, for the first time in Great Britain, I saw breech purebreds, and viewed a dog do work in a style far too common over here—the cattle left the forbidden area, straddling a barbed wire fence to do so; they were unhurt, but I was alarmed for the kine, and almost awed at the sacrilege that would permit a cur to chase a Roan Lady or a Butterfly over a metal-pointed fence. Many a cow from this herd has brought good prices in America, and the canny breeder has raised his prices to correspond.

Tillygreig comes next in our purview, and here again is that peculiar freak of the genus homo, yept a bachelor, the more peculiar as it is found in a country abounding in feminine excellencies. George Walker inherits the cattle-breeding instinct, his sire having been a noted feeder and breeder in times gone by. The quality of the fat stock and the pure-breeds explains the frequent visits of transatlantic buyers, for to use an old quotation, "Ebi mel, ibi apes" (where honey is, there are bees). An emigrant shortly after our visit was the roan stud bull, Pride of the Realm, by Pride of Morning, out of a Roan Lady, America's gain, Scotland's loss, as this fellow was masculine and thick-meated, with an expansive girth, betokening plenty of lung space, and with breeches, loin and fore ribs that would gladden a butcher's heart. The females are good ones, and include a Sittytan Sarcasm, straight Cruickshank breeding, Lady Dorothys, Sybils (Auchronie), and Diamonds; and in the stalls were two extra cross-bred (Shorthorn Angus) steers. A solitary farm pupil aids the Tillygreig occupant while away some of the hours, and it is difficult to say which has the advantage.

But a short distance, a mile or two away, in close proximity to Sittytan, is Alex. Crombie's

place, known as Woodend. We expect to find a thorough cattleman and Shorthorn enthusiast here, as Mr. Crombie was a ward of Amos Cruickshank, and has inherited the volumes of Coates, once owned and sedulously conned by that master craftsman. From Woodend came Inspector, a noted British show bull. Among the females were three Lancasters, all fine, big, milky-looking cows. Many of the cows are hand-milked, and are heavy yielders, their udders for six to eight weeks after calving needing relief three or four times daily.

These Scotch farms have plenty of grass and water, and cattle grow without a check, yet nature is not as generous in her bounties as on the prairies; in fact, her bounty has literally to be wrung from her, by cultivation, rotations and the liberal use of artificial manures, and the feeding of cake to the cattle, but the cattle grown are good, and are only spoiled by housing in, in many cases, dark, poorly-ventilated byres, among which surroundings the germs of disease live, thrive and multiply. NOMAD.

(To be continued.)

A Mammary Tumor in a Sow.

During the weaning period the mammary gland of a pure-bred Yorkshire sow was noticed to be increasing instead of decreasing in size at the hinder part. The use of a homemade irritant dressing tended to reduce it temporarily to the size and hardness of a baseball. As the sow approached another parturition the gland again enlarged to a very large size, and again after parturition was over subsided to some extent, although it did not become as small as at the weaning period first mentioned.

As the sow was approaching another parturition when the writer's attention was first called to her, nature was allowed to take its course, and several pigs, eleven or more, were delivered, but did not live, their deaths being due to other causes, I believe, than the presence of the tumor. The tumor impeded the sow's movements to some extent, and from friction with the ground its under side had become abraded. Six weeks after the parturition the removal of the enlargement was attempted. The tumor on section showed a considerable amount of tough tissue, enclosing many large pockets of an ill-smelling pus. The growth was well fed with blood, and necessitated the use of the ecraseur in addition to the knife. The tumor was not weighed after removal, but I should estimate it to weigh about thirty pounds. After the edges of the skin had been brought together by sutures (an overplus of skin had to be removed), the sow was let up, and was able to run around the barnyard, although she stepped very high with the hind legs, the movements of which had not become accommodated to the loss of the tumor.

Although the operators looked carefully over the wound site for fugitive portions of the growth, they were unable to find any, and deemed it completely excised, subsequent events showing them to be mistaken; the frigidity of the atmosphere and the surroundings necessitated rather rapid and rough surgery. Three or four weeks later, according to the owner's testimony, he noticed an enlargement again appearing slightly forward of the excision, and deeming the case a hopeless one, killed the sow. The sow kept in remarkably good condition, as may be seen by the photo, during the whole time she was affected. During the time of the writer's attendance at the Iowa Agricultural College, he saw a similar case, with this difference, that the enlargement of the Iowa sow (a Poland-China) was spread over the abdominal surface, and did not hang down, as in the case reported. The Iowa sow died from shock an hour or two after the removal of the growth, which Yorkshire enthusiasts may say was due to the lack of vitality so common in what is often termed lard hogs!

I have not been able as yet to submit any portions of the tumor to microscopical examination, but the question might be asked—as has been—was it a cancer? The tendency to recur, and its reappearance, rather indicate malignancy, yet the somewhat good condition of the sow refutes the latter.

W. B. HOPKINS, B. Agr., D.V.M.

The buffalo herd at Banff is rapidly growing. Where there were sixteen buffaloes in 1898, there are forty-five to-day. There has been an increase of two in the year, and a loss of three. Already this year eight calves have been born and further increase is expected. There have been increased numbers in the moose, elk and goat families within the animal enclosure, and the many-looking little youngsters are interesting attractions for visitors, says the Banff paper.

American Veterinary Medical Association Annual Meeting.

(From our own Correspondent.)

The fortieth annual meeting of the American Veterinary Medical Association was held in the City Hall, Ottawa, September 1st, 2nd, 3rd and 4th, where they were welcomed by Mayor Cook. This was the first meeting of the Association in Canada, and its success as regards the attendance and the value of the papers augurs well for the holding of future meetings in this country. In point of attendance it was fully up to previous average meetings, there being fully two hundred delegates present from all points in the United States and Canada. The association now has a membership of nearly 600. The best veterinarians on the continent attended, and in some of the papers matter of universal benefit was given. The statements of Dr. Salmon with regard to the communicability of human and bovine tuberculosis will at least give him wide notoriety as one anxious to refute in toto the theory of the world-famous Koch, even if all the results of his experiments are not considered by many as sufficient evidence on which to ground his conclusions.

The President, Dr. S. Stewart, of Kansas City, in his address said that the object of the association was to uplift and improve the veterinary profession, by securing greater competency in the individual practitioners. To hasten this end was the object of holding such a conference as the one they were beginning. During the time of its existence the association had been instrumental in increasing the length of the college course required of practicing veterinarians, and had in this way raised the standard of the profession by making its members more thorough.

One of the pleasantest and most profitable features of the meeting was a

TRIP TO PINE GROVE STOCK FARM.

Rockland, arranged through the courtesy of Senator W. C. Edwards. As a progressive stock farm, with great numbers of excellent stock of various classes, it was of interest to the veterinarians, but the point of most particular interest was the operation of the Bang system for the eradication of tuberculosis. The separate herds, the isolation stables, and the system of ventilation and sanitation in use impressed one and all as fulfilling completely the requirements of the system. In the spring of 1898 a great many of the herd was found to be infected with tuberculosis, and as some immediate action was necessary, it was determined to give the Bang system a trial. Over fifty animals were slaughtered, but only three of these were unfit for human food. All others that reacted were separated from the healthy animals, and in winter housed in isolation stables erected for the purpose. The calves from the isolated herd are removed as soon as dropped, and raised on healthy nurse cows, the milk from the isolated herd not being used for any purpose. The calf is allowed to suck the mother once only before making the change. This practice has given eminently satisfactory results, not more than two per cent. of the calves ever becoming diseased. Mr. Edwards is a thorough believer in the tuberculin test, and thinks it should in no wise be discarded until some better test is discovered. Mr. Edwards expects thoroughly to eradicate the disease from the herd, and thinks that, at the longest, it should require not longer than ten or twelve years. The entire herd is tested every spring, as the test is considered more reliable than when done off the grass. The stables are thoroughly disinfected twice a year by brushing as clean as possible, then burning brimstone in iron pots for twenty-four hours, after which a steam pipe is inserted for twelve hours. It is then whitewashed, using carbolic in the wash. To combat tuberculosis with any satisfaction it is necessary to have a good system of ventilation and plenty of sunlight; be very careful as regards general sanitation, and allow as much open air light as possible.

SENATOR EDWARDS' ADDRESS.

The visit to Pine Grove Stock Farm, and the address of its owner, Hon. Wm. C. Edwards, constituted the outstanding feature of the whole association meeting. After a few words of appropriate greeting to the veterinarians assembled, he said:

I have been asked by Dr. Rutherford, Chief Dominion Veterinary Inspector, to read, on this occasion, a paper on the Bang System for the eradication of tuberculosis as practiced on our farm here. This is a subject more properly to be dealt with by a professional man than by a layman. However, in what I have to say on the subject I express opinions which may be at variance with the accepted theories and practice of the profession. I am fully aware that the consideration due to a layman dealing with such a subject will be accorded me by the profession, and before launching out to give expression to our experience and my views upon this most important subject, allow me to express the great pleasure and gratification it affords me to see here to-day this assemblage of so many mem-



THE AGED BULLS AT THE DOMINION EXHIBITION, TORONTO, 1903.

The prizewinners in foreground, reading from the left: Joy of Morning, 1; Marquis of Zenda, 2; Spicy Robin, 3; Valasco 29th, 4; Prince Rupert, 5.

bers of the veterinary profession from all parts of the United States and Canada, as well also as the medical men and others who are interested in the promotion of the health of our animals, animals so closely allied with human life.

Referring to the close alliance and association between human beings and domestic animals, and recalling the statement made by the great German scientist, Dr. Koch, something about two years ago, the question of tuberculosis in our domestic animals would appear not to have the same significance as affecting human beings as was formerly generally supposed. The relation or similarity as between human and bovine tuberculosis and the communicability from the one to the other is, however, one for scientific and professional men to thresh out. I will not presume to express any opinion on

THIS COMPLEX QUESTION.

I will be permitted, however, I am sure, to say that for myself I regard the safest course, while doubt still remains, is to allow the doubt to rest on the side of the greater security and to continue to assume that there is danger until it is uncontrovertedly proven that there is no danger of human beings contracting tuberculosis in various ways from domestic animals so diseased. But even if, finally, it is proven that the disease is not communicable from animals to men, there is no reason why the efforts being made for the eradication of the disease in our animals should be stayed for a moment. In our best interests, having regard to the animals only, it is most highly desirable that the disease should be eradicated. It is to be found to the greatest extent in our pure-bred herds, the source from whence sires are obtained for the general improvement of the herds of the world over, and unless our pure-bred herds are cleansed of the disease, the process of spreading it will go on until it pervades the entire live-stock interests of each country where it is not eradicated, and the extent to which it will be injurious to the live stock of each country will be measured by surrounding conditions, and the loss of animals will be measured largely by the general sanitary or unsanitary and other conditions prevailing, so that, regardless of the matter of the danger to human life, it is highly in the best interests of the stockman that his herds and flocks should be free of disease of every nature, and the question arises: Can tuber-

culosis, one of the most constant diseases present in our animals, be eradicated? My answer is "YES," most emphatically. It can be done, and once eradicated, by reasonable care, healthy herds and flocks in this respect can be maintained, and the system we recommend is

THE BANG SYSTEM,

which has been rigidly practiced on this farm since the year 1898. In the spring of that year, intending to ship some young bulls to Wisconsin, we asked our Dominion Veterinary authorities to test them, and to our surprise and regret it was found that all responded to the tuberculin test. This was our first knowledge of the existence of the disease in our herd. For a few days we were undecided what course to pursue, but on consultation with the Hon. Sydney Fisher, our Minister of Agriculture, who recommended testing the whole herd, and who further urged upon me the advisability of adopting the Bang System for the eradication of the disease, and on our consenting, he at once placed us in communication with Dr. McEachern, the then Chief Dominion Veterinary Inspector, who immediately had the entire herd tested, and gave us full information and instructions as to the Bang System. The greater part of the herd responded to the test, and a separation was at once made of the healthy from the diseased animals. The decision was to weed out and kill all but animals of desirable pedigree and individuality, and the slaughtering took place under veterinary inspection. Of the fifty to sixty animals slaughtered, only three proved unfit for human food, but in all traces of the disease, in a more or less degree, were found, but, in most cases, very trifling traces of it. The stables formerly occupied by the herd were most thoroughly disinfected for the reception of the healthy animals, and entirely new premises were erected for the diseased animals we retained in our herd, and in like manner the diseased animals have been kept in separate and distinct pastures from the healthy ones since that time and have never mingled in any way.

SUCKLING BETTER THAN STERILIZING.

In the inception of our experiments, we sterilized the milk from the diseased cows, as directed by Dr. McEachern, and fed the calves with the pail. This plan we found successful in so far as raising sound calves was concerned, but it is a somewhat troublesome



FIRST-PRIZE HERD OF AYRSHIRE UNDER TWO YEARS.

At the Dominion Exhibition, Toronto, 1903. Lesnessock Royal Star (imported), first-prize yearling bull, at head of herd.

one, and, further, we lost a few calves, as we believed, from the fact that they were so fed at once without first taking the mothers' milk in the natural way. This plan, while successful, we have discarded entirely, and we have adopted the plan of raising the calves on nurse cows, allowing the calf always to suck the mother once before making the change. This plan we found most successful in every particular, and in the practice of either of these plans described, we can vouch for it from our experience that healthy calves can be most successfully raised from diseased dams or diseased sires and dams, and if all is carefully carried out, the percentage of diseased calves raised will be very small indeed, so small that it need hardly be considered. In our experiments, everything has been entirely satisfactory to us, and we strongly recommend the practice to our brother breeders, many of whom, we are sorry to say, have, up to this time, resisted the advice in this respect of our veterinary authorities, both in the United States and Canada, and the subject has been a most controversial one. We can only say, for our part, that after a very considerable experience we are firm believers in the Bang System, and we are believers in the tuberculin test as the only present means, so far as we are aware, of ascertaining the existence of the disease. The only failure, so far as we have knowledge of, is in cases where the disease is in such an advanced stage that reaction does not take place. In a well-conducted herd, such cases will be few and far between. Further, we have experienced none of the unfavorable results that are put up by those opposing the test. In no case have we known, in the many hundreds of animals we have had tested, of any injury to any animal, neither have we experienced any trouble in abortion in cows tested, and we have had them tested at all stages of pregnancy.

FAITH IN THE TEST.

We are firm believers in the tuberculin test, as we have described, and we are also firm believers in the Bang System, and until these are improved upon—if they can be improved upon—we shall practice both in the management of our herd. No matter what the practice and requirements of our Government authorities may be, we, on our part, shall not relax our efforts in the direction I have stated until all our herds are absolutely free from the disease, and until better means are known, we shall always use the tuberculin test to ascertain the conditions of the health of our herds.

Having given our practice on this farm, I may now be permitted, perhaps, to make a few general remarks. The discovery of the extent of the disease in the herds of various countries a few years ago caused such a commotion that most rigid enactments were passed by several legislative bodies; extreme conditions were imposed, doing, unfortunately, in our opinion, a great deal of harm, arousing the antagonism of breeders and stockmen. Much of this legislation has been rescinded, and more reasonable measures are now adopted as a result of a greater knowledge of the subject. Mistakes, if there have been mistakes, we not wilful, but well intended, on the part of the authorities of each country, but we submit that if the disease is to be eradicated from any country it must be through a campaign of education and united effort on the part of the breeders of the country. The exclusion of importation will never help to eradicate the disease just so long as the disease exists in the herds of the importing countries, and our veterinary authorities will do well to show the simplicity with which the disease may be eradicated, rather than impose unnecessary conditions.

RATIONAL PRECAUTIONS.

Apart from the test and the application of the Bang System, cleanly and sanitary conditions, good ventilation and plenty of sunlight, and as much outdoor life as possible, are the requisites. To the beginner in stock-breeding, we would advise great care in seeing to it that he begins his operations with animals free from disease and that he attends well to his ventilation and sanitary conditions, and if at any time he buys to strengthen his herd to see to it to a certainty that he does not buy disease with the animal.

To the breeder, small or large, who discovers the disease to exist generally in his herd, if the animals are of inferior pedigree and individuality, we recommend turning off to a butcher to be killed under veterinary inspection, all animals that respond to the test, and begin anew, but in no case would we recommend the slaughtering of valuable animals where they are still in good breeding form and vigorous appearance, but we advise the system of separation we have described in this paper. The same full measure of separation may not always be possible, but the best that can be done should be done in each instance, and under no circumstances neglect the matters of ventilation, good sanitary conditions, plenty of sunlight, and as much open-air life as possible. I am fully convinced of the reasonable possibility of the eradication of tuberculosis from our herds and of the maintenance of sound herds, and my earnest hope is that our breeders may at no distant day be so educated in the direction I have endeavored to describe that they will put into practice the only present known means of ridding their herds of a disease which in the past has been so destructive in its consequences.

DR. SALMON SPEAKS.

Dr. D. E. Salmon, Chief of the Bureau of Animal Industry, Washington, D.C., followed with his paper on "Bovine and Human Tuberculosis." In this paper he reviewed the evolution of opinion regarding the relation of human, bovine and

avian tuberculosis, and gave the results of investigations that had been conducted under his supervision at Washington to controvert Koch's theory that human and bovine tuberculosis are not transmissible. Two sets of experiments were conducted by Dr. Salmon, and they resulted unanimously in support of his position. He gave instances where two cultures were isolated from generalized tuberculosis, and were found to be identical with the bovine bacillus. Calves developed generalized tuberculosis when inoculated with these human cultures. Goats and rabbits also contracted the disease when inoculated with cultures of human bacilli. Speaking of the transmission of the disease from beast to man, Dr. Salmon said that recent experiments had proven that the tubercle bacilli can penetrate the walls of the thorax and gain entrance to the lungs; they can penetrate the intestine without causing any local lesion, and pass through the chyle vessels to the blood vessels. It is, therefore, not necessary that tuberculosis should show itself in primary lesions on the intestines before it is possible that it was contracted from bovine sources. A difficulty presents itself when an attempt is made to prove that the patient has not contracted the disease from the thousand and one ways that are daily open. Dr. Salmon concluded by asserting his belief that the danger to human beings from bovine tuberculosis could no longer be doubted; the proportion of human beings who contract the disease from the lower animals having been sufficiently proven to make the prevention of inoculation a matter of the greatest importance. Many prominent veterinarians present expressed themselves as satisfied with the results of

"Malignant Tumors"; Dr. A. S. Wheeler, director of the Vanderbilt farm at Biltmore, N.C., discussed "Stomach Worms in Sheep"; and Dr. C. H. Higgins, of Ottawa, "Anthrax and Blackleg." Dr. John J. Repp gave a technical paper on a microscopic study of tuberculosis in a cow, with reference to the distribution of the bacilli; another was given by Dr. P. A. Fish, of Ithica, on the effects of certain drugs; and Dr. V. A. Moore, of Ithica, N.Y., on "Avian Tuberculosis."

The clinic was held in Dey's rink on Friday morning, and was well attended. Among other operations a case of neurotomy was performed, and a broken jaw was set. Several cases of lameness were presented for diagnosis and treatment.

UNPROFESSIONAL CONDUCT.

At one of the last meetings a strongly-worded resolution passed, condemning the practice of advertising by circulars. The resolution was decided upon after considering the conduct of several Illinois veterinarians, who were charged with unprofessional conduct in the line of advertising tactics.

Among several changes in the constitution was one setting the time of meeting as the third Tuesday in August rather than the first Tuesday in September.

The next place of meeting, although not definitely decided upon, will probably be St. Louis, as the exhibition will then be in progress, and should prove an extra drawing card to people from a distance.

The scheme of Dr. Wm. Dougherty, of Baltimore, for the formation of a veterinarians' mutual benefit society was discussed, and referred to a committee to be named by the new President.

OFFICERS ELECTED.

The following officers were elected: President, Roscoe R. Pell, New York. Vice-Presidents—J. G. Rutherford, Ottawa, Can.; M. E. Knowles, Helena, Mont.; W. H. Dalrymple, Baton Rouge, La.; C. J. Marshall Philadelphia, Penn.; J. E. Ryder, New York. Secretary, John J. Repp, Philadelphia; Treasurer, Wm. Herbert Lowe, Paterson, N.J.

The members of the association were banqueted at the Hotel Victoria, Aylmer, and entertained at a garden party at the Central Experimental Farm by Dr. Wm. Saunders, the Director, and staff.

VETERINARY COLLEGE STANDARDS.

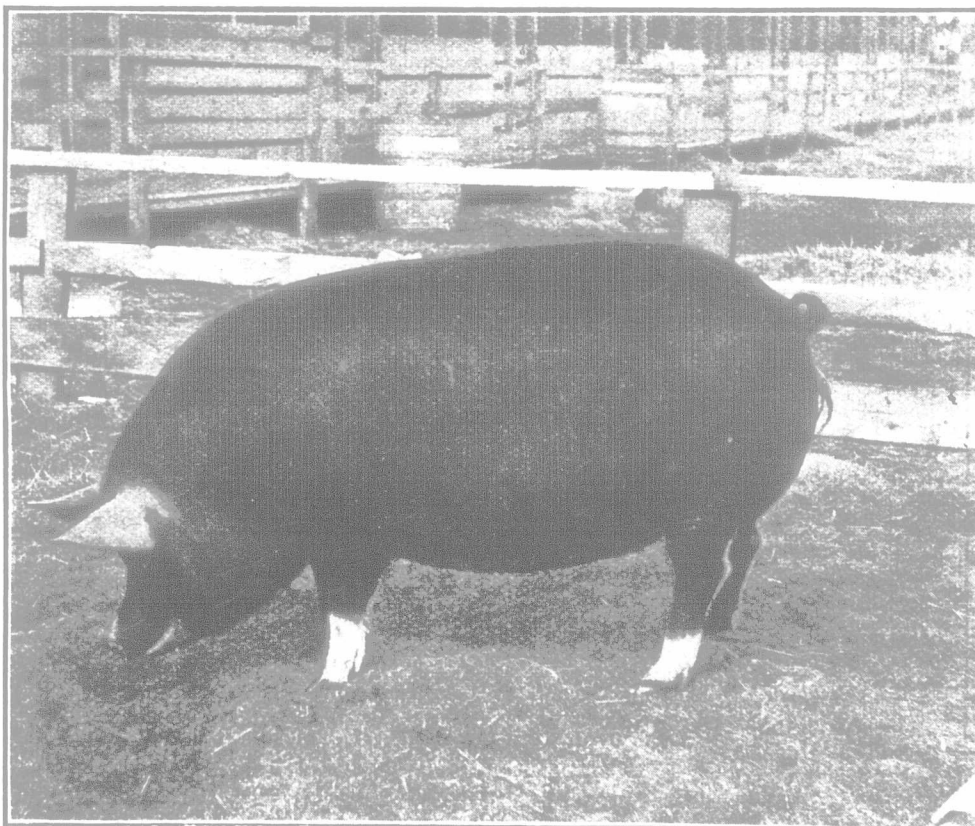
At a representative gathering of the association held during the association gathering, Dr. J. G. Rutherford presided, and in urging the raising of the standard of the profession, regretted to say that there were some so-called graduates in some parts of Canada who could hardly sign their own names properly. It was time to rearrange the college curriculum of studies so as to protect the profession and place it upon a higher plane.

Resolutions were adopted asking for legislation to the effect that after 1905 only graduates of a three-year-term college shall be licensed to practice in Ontario, and that a proper entrance examination to the college be prescribed.

The Standard.

The "Farmer's Advocate" is truly the farmer's classic, and a standard for agricultural journalism throughout the land. Once acquainted with its bright, noble pages, it would be a trial to do without them. R. H. MCGREGOR, Essex Co., Ont., Sept. 7th, 1903.

A hail storm at Moose Jaw was a serious one. The crops were completely destroyed over an area of about 100 miles long by about four miles wide. The hail was so large that orders were sent cancelling by the number of harvesters wanted at Moose Jaw. Very few if any of the sufferers had their crops insured against hail.



YORK LADY MATCHLESS 17TH 12041.

Berkshire sow. Winner of first prize in yearling class, and sweepstakes sow of the breed, Winnipeg Industrial Exhibition, 1903.

OWNED BY R. J. PRITCHARD, ROLAND, MANITOBA.

Dr. Salmon's experiments, and concurred with him in their opinions.

THE MINISTER OF AGRICULTURE'S ADDRESS.

On Thursday the Hon. Sydney A. Fisher read a paper before the convention on "The Importance of Veterinary Science to Agriculture." He expressed himself as of the opinion that in the past veterinarians had not sufficiently asserted themselves in the realm of agriculture. This had probably largely been due to lack of organization, and now since that was overcome and they were working together for the improvement of the profession, their influence should be more strongly felt. He gave Canada's annual exports of live-stock products as \$68,000,000, compared with \$34,000,000 of all other farm products, as sufficient proof of the vital necessity of maintaining the health of our animals. There had been too great a tendency in the past to patronize the quack doctor, but the advantage of employing skilled help was more and more being recognized. The efficiency of our veterinarians needed no eulogy when the occurrence of such diseases as pleuro-pneumonia, foot-and-mouth disease, cholera, and such diseases was known to be so rare. Canadian farmers, therefore, owed much to their veterinary friends in this respect.

OTHER PAPERS.

Dr. J. G. Rutherford, Chief Veterinary Inspector for Canada, gave a valuable paper on the "Uses of Mallein in Dealing with Glanders." Dr. D. King Smith, of Toronto, gave a paper on

Early Maturity in Sheep.

At the annual International Conference of Sheep Breeders, held in London, England, June 22nd, 1903, Mr. Ernest Prentice, a breeder of Suffolk sheep, speaking of the improvement effected in bringing about early maturity in sheep in these latter days, said that one hundred years ago the average killing age of wether sheep was about three years. He thought that about fifty years ago it would have been found to be about two years; and twenty-five years ago it was, to his knowledge, about a year and a half. He thought that he should be safe in saying that at the present time the average killing age of a good many breeds was not over twelve months. We saw in our markets now what was not seen at all twenty years ago, namely, sheep of the year, or "hoggetts," coming to market before Christmas. Last year, as early as the beginning of September sheep were ripe and fit for the butcher. Many breeders entirely cleared their stock of wether sheep by the first day of the following year. He had found in the records of the Smithfield Club that it was only in 1875 that classes were provided for lambs, and it was seven or eight years after that before lambs took the championship of the show; and it was only last Christmas twelve months that in the National Scottish Show at Edinburgh the championship of the yard was carried off by lambs for the first time. With regard to what was said about early maturity, and the question of whether the improved conditions of feeding had much to do with it, he might state that the champion mutton carcass at Smithfield last Christmas was admittedly one of the finest carcasses ever seen at Smithfield. The breeder was now present, and he could bear out the statement that in that case it was not a question of artificial food having perfected the carcass, for absolutely no linseed or other cake had been used. The animal was fed wholly on natural food, kale and kohl rabi; the latter, he believed, were cut for the animal, and instead of cake, the animal had good old British beans ad lib.

Some Phases of Agriculture in N. S.

Agriculture in Nova Scotia needs much reforming. It is true that in Nova Scotia can be found as intelligent, scientific and up-to-date farmers as there are in any part of Canada, but too many of the men engaged in agriculture are making little or no advancement. They are farming year after year in the same old way, plowing and harrowing as their grandfathers did, throwing the stable manure out for the water from the roof to fall on and leach, growing wire-grass and weeds instead of hay, to feed a few scrub cattle which are no better than the mongrels their ancestors had fifty years ago. This is certainly lamentable, and the great question is, how can such conditions be improved. Many of these farmers do not take any agricultural papers, will occasionally attend an agricultural meeting, but seldom make use of the advice they do get. They will tell you that they "ain't got no faith in book farming," and are ready to fight for their convictions. How can we pull them out of these ruts and place them in a position to compete with their more enlightened brethren? This is the question with which the Provincial Government are trying to grapple.

In the past years financial aid has been given for the formation of agricultural societies in all parts of the Province, pure-bred stock has been imported and distributed, local and Provincial shows have been encouraged and supported. All these things have made a marked improvement upon the more advanced or better class of farmers, but the ones who most need reforming have, thus far, been little improved. Some of our leading farmers imagine that an agricultural college would remedy many, if not all, of our ills, so after some years of quibbling in regard to the location, it was decided to build on the farm already owned by the Provincial Government at Truro, N.S. I am pleased to be in a position to state that this farm, under the able direction for the past ten years of its efficient manager, Mr. F. L. Fuller, is in a splendid state of cultivation. Already on this farm are several substantial buildings of the most modern type. A large barn 100x50, with basement stable, and ell; a well-equipped dairy building and office, also horse stable, piggery, henhouse, etc. The live stock on this farm would be a credit to any farmer in Canada, and one feature worthy of mention is that a large part of it has been bred on the farm, instead of being purchased elsewhere. This stock consists of fifty head of pure-bred cattle (Shorthorns and Jerseys), fifteen horses (Thoroughbreds, Hackneys and Clydes), twenty hogs (Berkshire and Yorkshire), and about 1,200 hens and chickens, so this makes a most valuable beginning for a model farm and college.

The college building now in course of erection bids to be ornamental as well as useful. Located on a commanding and picturesque site, it is a substantial structure of brick and stone, 70x55 feet, with two stories besides basement, and with a greenhouse 42x25 feet attached.

Near the college building will be a live-stock pavilion, 70 feet in diameter, very similar to the one erected last year at the O.A.C., Guelph, Ont., but with the addition of a stable attached, 70x30 feet, in which to keep stock used for the purpose of teaching by practical illustration the proper way to judge live stock.

These preparations are, of course, essential for the proper teaching of agriculture, but will be of little use unless the farmers do their part. Their share in this matter is to either come themselves or to send their sons to be educated, but this I fear they will never do until the need for such training is brought prominently before them. I believe that this new college will not be patronized as it should until the Principal or members of the staff canvass the Province and impress the farmers with the necessity of more and a better knowledge of agriculture.

No definite course of study has yet been outlined for the students of the new college, but it is quite probable that for the first two or three years short courses in stock-judging, grain-judging, dairying and general farming will be the principal features.

There is a great work to be done among the farmers of Nova Scotia, and it is to be hoped that the new college will awaken an interest which will result in progress and prosperity. Cumberland Co. "BLUENOSE."

The Dominion Exhibition.

As the result of judicious advertising, good management, and the hearty co-operation of the public, the Dominion Exhibition held in Toronto, August 27th to Sept. 12th, this year, was admittedly an unqualified success. The attendance of visitors was a record one for Toronto exhibitions, and the show strong in every department, clearly evidencing the remarkably prosperous condition of the farming community and the people generally. Great and good as the show was, however, it cannot truly be said to have been an adequate exposition of the country's best capabilities in the lines of agricultural and industrial production. The small Government grant of \$50,000 was, of course, entirely insufficient for the purpose of making it a Dominion exhibition in any other sense than in name, and the time for preparation after the grant was given was far too limited for the consummation of plans such as would give it any true claim to a Dominion character. It was, therefore, simply a Toronto Industrial Exhibition improved, and as such was an event exceedingly creditable to the management and to all participating in its make-up.

With the improvements made this year, the Toronto Exhibition grounds and buildings are the most complete of their kind in Canada. The removal of the old carriage building, near the entrance, and the substitution of lawns and flowerbeds, gives visitors a favorable first impression, while the clear open space, affording a view of the lake from the main street running north and south, adds greatly to the beauty of the park, imparting variety and extent to the outlook and dispelling the sense of cramping formerly caused

by the presence of tents and booths, which crowded the campus and obstructed the view.

The new manufactures building, commenced last year and completed this summer, is a model exhibition building, roomy, well-lighted and ventilated, and furnished with a view to the comfort of exhibitors and visitors, and to facilitating business as well as pleasure. The enlarged and more-completely furnished dairy building is doubtless the best of its kind on any exhibition ground in America, and the working-dairy giving daily demonstrations of actual first-class buttermaking is at once an education and an inspiration to the people. The ample-spaced building for the display of improved labor-saving implements and appliances for lightening the burdens of the farmer and the housekeeper, and the high-class machinery hall, are such as to fortify them for the changing conditions of farm life which have rendered help scarce and costly. Just here it may be hinted that the interested crowds constantly surrounding the one newly-devised harvesting machine on exhibition may afford a lesson to manufacturers on the folly of absenting their wares from a place so well calculated to afford a first-class advertising medium for them. The old main building, with its fine location, now devoted to the display of carriages and other articles of transportation, answers admirably for that purpose, with the one objection, that the tramping of visitors on the gallery floors causes the falling of dust upon the exhibits, which adds much to the trouble of keeping them looking their best, and may also to some extent injure the upholstery. The day of galleries in exhibition buildings is past, and they are now properly left out in all plans for this purpose.

The buildings for the accommodation of live stock have been so improved as to leave little to be desired, and perhaps the one need remaining is a covered amphitheatre for exhibiting and judging stock, where, safe from unfavorable weather, demonstrations in judging, as an additional educational feature, may be carried out. The limited covered seating provided this year at the side of the cattle and horse rings, so fully occupied and enjoyed, affords ample evidence of how great a boon a well-constructed permanent pavilion for this purpose would prove to farmers and their families attending the exhibition.

The relegation of the midway to its proper place, if it properly has a place on a fair ground, to the extreme end of the grounds, is a very decided improvement, and if it finds its way out the back door, to return no more, its loss will be regretted by few.

The constant attention and courtesy of President McNaught and Manager Orr, and their well-chosen and capable staff, drew forth many expressions of appreciation, and it was felt on all hands that brighter and better days are in store for the Toronto Industrial Exhibition, which affords a splendid opportunity for the enjoyment of an outing which at this season is welcomed by the farming community and the people generally. The great gathering of happy and contented people assembled to witness this show from year to year is a fair index of the thrift and prosperity prevailing throughout the country, and



BUILDINGS ON THE PROVINCIAL GOVERNMENT FARM, TRURO, N. S.

it behooves the management of the exhibition to study to improve on past efforts, and so to maintain the deserved popularity of this, the leading institution of its kind in the Dominion.

As a live-stock exhibition, taking it in all its departments, this was, without doubt, the greatest ever held in Canada, and was a worthy representation of the country's best in that line, and a presentation of which our people may well feel proud, as it would do credit to any country in the world, and compares well with the best of any other land under the sun.

HORSES.

As was expected, the horse exhibit was one of the big attractions of the fair. In all there were 1,179 entries, being about the same number as were made last year. A large proportion of this number was made up of driving and saddle horses, the breeding classes being very little larger than last year. The arrangements in connection with the judging of the breeding classes in the ring were in charge of W. E. Wellington, and in the large horse-ring in front of the grand-stand Alderman Sheppard looked after the details of the judging of fancy, harness, saddle, speeding and pony classes. This arrangement demonstrated one feature very clearly, namely, that an exhibition of the latter classes, and particularly that of speed, is far more interesting to the majority of the fair visitors than the competition in the breeding sections, as comparatively few witnessed the placing in the small ring. The novel feature of the horse exhibit this year was the section for ten horses, the property of one exhibitor, the award to be made on the money valuation of each lot. Those having horses out were Graham Bros., Clydes and Hackneys; Geo. Pepper, Saddle and Harness; Morris & Wellington, Shires; A. Yeager, Light horses; Smith & Richardson, Clydesdales; O. Sorby, Hackneys and Clydesdales; Miss Willes, Standard-breds; Hodgkinson & Tisdale, Clydesdales, and R. Davies, Clydesdales. Out of such a miscellaneous lot the task of selecting the most valuable was no easy matter. However, in the opinion of the judges, Graham Bros. were entitled to first place, Geo. Pepper second, Morris & Wellington third, and A. Yeager fourth. Unfortunately, the money valuation of the horses did not prove a uniform standard for all classes, as in the market for fancy, harness and saddle horses, money is not as valuable as it is among the purchasers of heavy draft or Hackney breeding stock, and in the former market the value of a horse is dependent more upon his appearance than his usefulness. These circumstances will necessitate at least a modification of the conditions governing such an open competition.

In the breeding classes Clydesdales were the most numerous, as representatives of several of the stables have scoured Scotland for new blood. Competition among the larger importers and breeders was keen throughout all the sections. There have been horse shows and fairs in the past at which there was more general unanimity of opinion in connection with the placing of the entries in the Clydesdale sections, but seldom has there been a show that rivalled that at Toronto last week for dissatisfaction among exhibitors and spectators with the awards in this class. Through some unaccountable maneuvering, the nominees of the delegates representing the Horse Breeders' Association for judges of Clydesdales were not appointed, and as a result, while making all due allowance for differences of opinion regarding the merits of a ring of horses, we are still forced to the conclusion that the experience of this year should teach us that we do not need to go out of Canada to get experts to pass judgment upon horses that are selected, imported or bred particularly for Canadian conditions.

The first class to come out was that for stallions four years old and over. Nine horses of varying size and quality made up the lot, and, probably, there never was a more difficult class to place. No one individual seemed to stand out prominently. Dalgety Bros. had a horse, Stewart's Pride, that many would have placed first. He is one of the large type, with a very good quality of bone, and a well-put-up horse all through. He was given the third place. The first-prize horse, owned by Graham Bros., although of good size and fair quality, is not as well turned, especially on the rump, and when in motion keeps his hind legs too far under him, which makes his rump peaked, and gives him a drawn, plain appearance all over; otherwise, he is a very good horse, well muscled, closely coupled, with good shoulders and a strong masculine appearance. The second place was taken by O. Sorby's Vanora's Pride, a Baron's Pride horse, a very neat fellow, and one that is bigger than he looks. He has a particularly well-turned body, and the quality usually found in the get of Baron's Pride. The winner of fourth was Right Time, just imported by T. H. Hassard, of Millbrook. He is a well-got-up horse from the feet over all, but fell a little behind the others in size, although he is not a small one. Several splendid horses were outside the placing, the one standing fifth being Smith & Richardson's Ruler, sired by the great Baron's

Pride, a grand horse that does credit to his illustrious sire.

The three-year-olds were a more uniform lot than the seniors. The two first horses were two that competed at the Spring Stallion Show, Graham's Cairnhill, and Lavender, from Smith & Richardson's stables. Although Cairnhill was placed first, Lavender has closed up on him during the summer, until to-day it is hard to see where the Claremont horse excels sufficiently to win. Cairnhill may show a little more quality in his bone, but Lavender is a more compact and better-muscled horse. One of J. B. Hogate's new importation, Gallant Chattan, secured the yellow ribbon for his quality of bone and smoothness of body. The fourth prize went to J. M. Gardhouse, on Robson's Fidelity, who won first in his class last year.

The two-year-old section had one of the largest entries of the show, and the judges had no easy task selecting the winners. For the red rosette, Criterion, belonging to Graham Bros., a solid, rather low horse, with good action, bone and feet, was selected. It would have been better policy had the judges chosen a bigger horse for first place, as the greatest need in horse breeding in Canada to-day is more size. In Scotland, where the country is well stocked with big mares, a little size in the stallions may be sacrificed to quality, but we have not the same conditions here. In several other classes, also, it was noticeable that size was not fully appreciated. The second in the two-year-olds was Ardlathen Premier (Columbus stables), a very promising colt, of good size, and a clean mover. Third place reverted to the Claremont stud, on Baron Hamilton, a Baron's Pride colt; and John Cowie secured fourth on Alex. Macqueen, a splendid colt of his own breeding, sired by Macqueen.

Yearlings had four entries, and this time a more rangy colt went first. He is owned by J. I. Davidson, and was sired by Macqueen. His bone is strong, clean and flinty; his top is good, and he has a very neat head and neck. Next to him stood Alex. Cameron's No Surrender, by Royal Cairnton. He has a little more body, with the best of feet and good limbs, and is a very good actor. H. G. Boag, with Proud Gordon, a colt not highly fitted, but with good quality, got third. A fine-boned, toppy colt, belonging to Wm. Foster & Sons, came fourth.

The sweepstakes for stallions was between the three winners from the Claremont stud. Little time was lost in placing the three-year-old first, the two-year-old second, with the winner of the aged stallion section third. Cairnhill captured the same position at the Spring Stallion Show.

When the female classes came on, representatives of the Thorncliffe Farm, Robert Davies, property, began to make themselves felt, the red going their way in each section. All the Thorncliffe winners were bred on the farm, which makes their victories all the more significant. In the three-year-old filly class their Princess Royal, a solid-bodied, clean-limbed mare, and a good mover with good feet, stood first. Next to her was Smith & Richardson's imported mare, Beauty, a good type of a Clydesdale filly, more growthy than the first, and more breedy looking. No fault can be found with her feet or limbs, and she handles them well. Charming Sunflower, owned by John Savage, of Guelph, a less rangy mare than Beauty, but a very solid sort, got third. Startling was the Davies filly that won the red in the two-year-old class. She is much the same type as won in the older section. Her sire is Lyon Macgregor, Queen of Roxburgh, (Graham Bros., owners), a true mover, following the solid type, came second; and a filly decidedly of the short-legged variety, deep bodied, and with fine, clean bone, came third. Madge of Hallcroft is her name, and she is from the Columbus stables. A stable companion, of a very different pattern, stood in next station.

The leader in the yearlings was another Lyon Macgregor colt, from Thorncliffe Farm. She is much like her seniors; in fact, there is considerable uniformity of excellence about the stock in these stables. O. Sorby furnished the competition with Miss Gilmour, also a solid type, but likely to develop into a big mare, after the type in the Guelph barns. A smaller Macqueen filly, owned by J. I. Davidson, filled third place. Her get-up is splendid, but she needs a little more size to make a strong competitor.

There were five out in the class for brood mares with foal by side, and the Thorncliffe mare, having the advantage in size, took the red rosette. O. Sorby's mare had as much quality, but is a little lighter, and the third place went to a mare having still less size, but lacking nothing in quality, belonging to John Cowie, of Markham. Robert Davies' females having won all the firsts, the competition for the sweepstakes silver medal lacked considerably in interest. Princess Royal, the three-year-old, won out, and afterwards won the Wellington cup for the best mare any breed.

SHIRES.—There were but three stables competing in the Shire classes, Morris & Wellington's, Fonthill; J. M. Gardhouse's, of Weston

and John Gardhouse's, of Highfield. The judge was S. Bell, of Wooster, Ohio, and his duties were not of a very arduous nature, as there were no classes with more than three entries. The senior honors easily descended upon J. M. Gardhouse's Chewton Prince Harold 3rd, a horse that moves free and clean. He is now four years old, has good feet and body, but hardly as massive as Mars, who stood second, but whose age and condition was against him. Bank Statesman was the only three-year-old out. He is rather a nicely-turned horse, and acts well. Modern farmers, however, look for a little finer quality and less feather than is found in many Shires, and the breeders of these horses cannot improve in this particular any too soon to suit the Canadian public. The two black colts, Coronation and General Favorite, from the Fonthill stables, were again out in the two-year-old section. The Royal winner, General Favorite, while still developing into a grand horse, is being left a little behind by his mate Coronation, who is getting thicker and more masculine looking. He has a lot to lose before he can be beaten. The sweepstakes silver medal for Shire stallion any age was afterwards won by him. A Fonthill yearling had the ring to himself in his division, but he was good enough to lead off pretty stiff opposition, had it been offered.

All through the female sections representatives from the Fonthill stables stood first, but the opposition coming from J. and J. M. Gardhouse was strong, and in the brood mare and foal classes the decisions might have been reversed, so that the best combination of size and quality could have had its due. Moulton Marianne, a very heavy-bodied and well-quartered mare, with good Shire character, was first in the three-year-old section, and afterwards sweepstakes. Orphan Girl, from J. M. Gardhouse's stables, put up a good argument in second position.

In two-year-olds, Lancashire Lass 2nd was alone, but she well deserved a red badge. Two of her stable companions made up the next section. Both are by Mars, and make a very strong pair. The first choice in the brood mare class with foal by side fell to Rose, by Pride of Hatfield, and second to her half-sister, out of an imported mare; owner, John Gardhouse, Highfield. Two foals sired by Mars were first in the last division, and third went to a youngster by Pride of Morning, from the Highfield stable.

HEAVY DRAFTS.—Canadian-bred heavy drafts made quite a creditable display, most sections being well filled with representatives that carried considerable size, and possessed a large degree of quality in their bone. The awards were made by John Bright, of Myrtle, and James Torrance, of Markham, to the general satisfaction of the majority of the exhibitors and spectators.

Gay Macgregor, Graham Bros.' entry, was the choice for first place in the aged stallion section. His opposition was Woodroffe Plow Boy, owned by J. G. Clark, Ottawa, a better-moving horse, but older, and with hardly as good bone. The third choice was a black, that might improve in his action.

In the three-year-olds, it was a test of size with a fair degree of quality in the bone, against a high degree of quality and much less size. Finally, the horse possessing the greater scale won out. It required considerable time to decide upon the placing in the next section. J. I. Davidson had a colt of good size, well balanced, and more nicely turned than the opposition offered by Hodgkinson & Tisdale, but the latter had a deeper body, more springy pasterns and broader feet, so had to go first. Robt. Fleming won third with a horse of much less size, but with splendid bone. The yearlings were a very good lot in most particulars, but all needed a little more slope in their pasterns, and most of them lacked width of hoof. This latter fault was more or less evident in all the Canadians, while in the imported drafters extreme width was invariably noticeable. A Royal Cairnton colt, owned by Smith & Richardson, secured the red, and his half-brother, shown by John Vipond, Brooklin, took second. A big rangy black, from Ono Station, was third. He was sired by Macarley, and is owned by Geo. Crawford.

The three-year-old fillies were, perhaps, the hardest lot to place. Four were out, and the best of the lot, although rather long in the back, but with heavy quarters and good quality, got first. Next stood a rather plain mare, but her feet were better than the third-prize mare, although the latter is by no means small, and is much better turned throughout.

In the two-year-old class the filly with the best bone and lesser size went first. This arrangement was hardly following the rule set in the older divisions, but in this section the difference in size was not as noticeable. The first-prize mare was also unusually neat about the head and feet. She is a Macqueen filly, from the Royal stables. Colin Cameron, Etobicoke, was the owner of the filly that got the blue, and the owner of the orange was Minnie of Amber, owned by W. J. Howard, of Amber. The

strongest section of the heavy draft female classes came out at the call for yearling fillies. Jessie Kier, J. M. Gardhouse's entry, was easily first, and afterwards sweepstakes of the breed. She is a filly of great size and substance, best of feet, very toppy, neat but strong head, and good neck. She has since been taken by R. E. Gunn, of Beaverton, who is collecting foundation stock for his farm there. May Macqueen, a filly of the same type as Jessie Kier, but a little smaller and lighter in the bone, won the blue for Hodgkinson & Tisdale; and the third place went to Lady Lynedoch, a more growthy filly, from the same stables. The brood mare section had seven out, and the judges went after the best combination of size and quality, with the result that some very fine specimens that were a little lacking in scale were left out of the placing. First choice fell to the Beaverton stable, on a very massive mare that stood on good legs and feet. John Lawrie, of Malvern, came second, with a four-year-old, and J. M. Gardhouse secured third on Net Derby. The foals out of the first and second-prize mares led in their section, but the placing of the youngsters alternated with that of their dams. The third for foals went to J. W. Cowie, of Markham, on a good out of a Macqueen colt.

The classes for draft teams and heavy draft groups were all well filled with a very superior lot of stock. Heavy draft teams bred by exhibitor brought out three entries. First honors fell to O. Sorby's two-year-old mares, and a grand pair they are: solid-bodied, clean-limbed, nicely-turned, and as clean movers as one could wish to see. Another pair of mares, belonging to Jas. A. Mine, came second, while a very heavy pair of geldings, hardly as well balanced nor as true movers, got third place. In the open class for draft teams a larger field turned out, there being nine pairs to face the judges. Nearly all were of Clydesdale breeding, a pair of Shire mares belonging to John Gardhouse, of Highfield, being an exception. The old-time winners, Moss Rose and King Rose, owned by Lewin & Cox, Brantford, were again in the front. Next to them stood the third-prize team in the previous section, the judges in this division differing with those who made the awards earlier. D. A. Murray, of Bennington, is the owner. The third place was taken by P. H. Petrie, of Stratford. The class for four draft colts not over two years old, any breed, and the progeny of one stallion, made a very interesting competition. Graham Bros. had two lots of Macqueen colts, Smith & Richardson a lot sired by Royal Cairnton, Morris & Wellington had a lot by Mars, and Robert Davies a lot by Lyon Macgregor. After long deliberation, Graham Bros.' yearlings were put first, and the Columbus string, consisting of three year-old stallions and a filly, second.

LIGHT HORSES.

The breeding classes of light horses were not unusually large this year, but the individuals were of good character, and the breeding of many of them was on the best lines. As might be expected, Standard-breds and Roadsters were more numerous than the Thoroughbreds, the latter not having more than one entry in many of the sections.

THOROUGHBREDS.—The well-known Trinity, by Forrester, owned by W. A. Lawrence, although rather a solid-bodied horse for a Thoroughbred, got the red in the senior stallion division, and Dum Robin, a lighter horse, of quite a different type, was second. He is by Derwent Water, and out of Woodbine—Hendrie breeding—W. J. Thompson being the owner. Henry Zinn's Ray Oregon was the only three-year-old out, and he well deserved the red rosette. The next section had two Billeto colts. J. Barber's Bell of the Play, a nice-bodied colt, led. Better limbed colts have often been seen. The juniors had Robert Davies' Capercailzie, a colt with splendid limbs and a real runner's body, for a first, and J. Barber's Billeto colt second. The stallion best calculated to produce hunters and saddle horses, and the sweepstakes of the breed, was the invincible Dalmoor, of Seagram breeding. From all indications it will be some time before a better than Dalmoor appears. Robert Davies had the only fillies out in two- and one-year-old section. Both have Kapange Colt for a sire, and the younger, out of Thistle, is a proper Thoroughbred, with head and neck and legs of the right stamp. Davies also had the three winning matrons with foals by their sides, and the sweepstakes female was his Thistle, who lost her foal this year.

STANDARD-BRED TROTTERS were represented by some splendid specimens, with breeding as good as anything in the book. W. H. MacLeary, of Streetsville, made the awards, with unqualified satisfaction to the spectators. Lord of the Manor, by Manbrino King, and out of Princess Chimes, by Chimes, was easily first in the senior stallion class, and sweepstakes of the breed. He is a very neat, well-knit horse, with lots of speed and a true movement. Geo. Kennedy, of Iderton, is his owner, and he also got first in the next class with Sir Casimir, a J. B. Case colt. Two horses sired by Wildbrino

got the second and third ribbons in the senior class, and a colt by Allerton, out of a dam by Baron Wilkes, was second in the three-year-old section. Miss Wilkes had the best two-year-old stallion, Rex W., by Dashwood. He is a neat-bodied horse, and looks his best at the trot. Another Wildbrino colt, heavier in the body, but none too true in movement, came next, with a half-brother, a rather clean goer, third. The conformation of all the horses was of a very high order, and considerable speed was also displayed.

Bessie Wilkeswood, a big, rangy, breedy-looking mare, but one that might go more true, was the best matron. Her opposition was Geo. Kennedy's Lady Rosemead, a better-moving mare, but not as good in the head or body. Her foal, though, by Lord of the Manor, was about the best ever seen in youngsters here, for she trotted like a campaigner. The filly classes were not large, and the individuals were of varying quality.

THE ROADSTER CLASSES were mostly filled with Standard-bred horses, although Thoroughbred and even Hackney blood was noticeable in some of the individuals. Just whether horse-show authorities are justified in offering prizes to breeding horses of mixed and unknown breeding is a question. About all that can be said in favor of it is that it swells the show and gives a few good individuals a chance to win some of the prize money. Similar objections might also be raised to the showing of Carriage and Coach stallions of different and mixed breeding in the same classes. In the latter classes this year were found Cleveland Bay, Yorkshire Coach, Standard-bred, German Coach, and mixed blood. The mares, also, were a very indiscriminate collection, although of quite a useful type.

HACKNEYS.—Last spring when the stallion Saxon carried off the sweepstakes at the Canadian Horse Show at Toronto, it looked as if he would remain champion of the breed at Canadian shows for some time. Saxon certainly is a grand type of the modern Hackney, neat, well muscled, and a clean, high mover, but a greater than Saxon has come. Cliffe Roberts, imported this summer by O. Sorby, of Guelph, is the new champion. He is something of the Lord Roseberry type of horse, having lots of substance, with a very neat head and neck, a round body, nicely-turned quarters, and his action is of the superlative degree. In two particulars Cliffe Roberts had the advantage of his rival, first in his greater substance, and second in his higher knee and hock action, although it must be said for Saxon that he did not act his best in the contest. Pedro, lately imported by J. B. Hogate, of Sarnia, made a good number for third choice. He is rather smaller than the others, but has the right conformation, and displays himself well in moving. There were no three-year-old stallions to compete this year, but the call for two-year-olds was answered by three Canadian-bred colts. The winner was found in Jubilee Performer, sired by Imp. Jubilee Chief, and out of Miss Baker, owned by Lewin & Cox, of Brantford. This colt is not of the rangy, upstanding type, but carries considerable substance, quite easily and stylishly. Next to him was Hodgkinson and Tisdale's Storm King, a get of Lord Roseberry. In many respects this colt was good enough to win first. He has a very neat conformation and proud manner, but he is not yet well enough educated, so fell behind

in his action. The third in the class, Rosador Jr., is a nice, tidy, compact colt, but also needs to show more action. The yearlings, as might be expected, had not developed all their latent talents for high, stylish acting, but were quite a promising lot. U. N. Crossley's Rosseau Boy, by Rosseau Performer, showed the most finish, with good conformation, so went first. A Squire Rickell colt, owned by R. Davies, got the blue, as he was better fitted and more educated than O. Sorby's Robin Duplex, that was raised on Rawlinson's ranch at Calgary. Robin Adair 2nd was this youngster's sire, and when he puts off his Western manner he will do credit to his breeding.

The Hackney female classes were not remarkable for their number or strength, but contained a few outstanding individuals. The competition in the brood mare section was quite easily won by O. Sorby's Miss Baker, a fourteen-year-old mare that still retains her bloom and vim. Miss Baker is a mare of true Hackney character, both in conformation and action, and is hard to fault in any particular. The winner of second place was Jubilee Daisy, a five-year-old mare, owned by L. L. Pound, of Glen Colin, and sired by Jubilee Chief. She is a more rangy and lighter-bodied mare than Miss Baker, and not as smooth nor as good a mover. Trinket, Graham Bros.' 22-year-old mare, completed the class, and although beginning to show her age, had by her side a filly that was good enough to win second in the junior class; Quickstep, by Attraction, and owned by John Cowie, of Markham, getting first. The third place in this section went to Miss Jubilee, by Jubilee Chief, and out of Miss Baker. The three-year-old filly class had but two representatives. Queen of the Party, Crossley's chestnut roan, showing the best action and most substance, was placed first. Many people dislike her color, and it must be admitted that for fancy harness horses there are better colors than the roan. Miss Roseberry, by Lord Roseberry, a round-bodied and finer-boned mare, was the other female in the ring. She is a very neat filly, but did not show as well in action as her rival. Hodgkinson & Tisdale, Beaverton, are her owners. In two-year-olds there were two out. The red rosette in this section went the way of the Beaverton stables, on Madge May, a roan that had a very good body, but that went a little wide behind. Dr. Gollop, of Milton West, owned the other mare, a very fair actor, but one that could improve considerably in the body and about the head. H. N. Crossley again came in for first place in the yearling class with Rickett's Heiress, a good out of a Hackney filly, and a clean goer. Her second was Jubilee Beauty, a Jubilee Chief filly owned by O. Sorby. She is more of the cobby type, and was not as sprightly as the winner, but is a filly with good quality and plenty of substance. Another Squire Rickell filly, owned by R. Davies, got the third station. In the contest for sweepstakes the class narrowed down to Miss Baker and Queen of the Party. The Guelph mare, showing more speed and snap, and a better color, finally won out.

GENERAL-PURPOSE HORSES.—The type of horses representing this class at the Toronto Fair is quite different to that seen at most smaller shows. At the Industrial, the limit of weight is placed at 1,350 lbs. for horses over three years



LOGGING SCENE AT ENDERBY, B. C.

old, 1,200 lbs. for three-year-olds, and 1,000 lbs. for two-year-olds. This arrangement practically excludes horses of draft breeding, restricting the competition to those used in the saddle or on the road, and with sufficient size for light farm work. In the market classification, such horses might be called light expressers. They are a very useful kind of horse, but one that shows no particular breeding. The classes were all well filled, which speaks volumes for the popularity of such a type of horse, but, unfortunately, there is no breed that combines all the useful qualities of the general-purpose horse.

CATTLE.

The entries of cattle for the Toronto Exhibition this year exceeded those of any former year, numbering about 700 head, divided into nine classes, all being well filled, while some, notably those of Shorthorns and Ayrshires, were overflowing. The average quality was also of a high standard, some of the classes showing marked improvement, while all are holding their own in character very satisfactorily.

SHORTHORNS made an abnormal display, the entries totalling nearly 250. This exceptional entry was partly due to the increasing interest shown by the farmers of the country in the improvement of their beef cattle, and largely, no doubt, owing to the large and liberal prize-list provided for the class, the Dominion Shorthorn Association having supplemented the list by a grant of \$1,500, making a total offering of about \$3,000 for this breed alone. The list of exhibitors numbered nineteen, and those who were fortunate enough to secure a place in the prize-list were: W. C. Edwards & Co., Rockland; Jas. A. Crerar, Shakespeare; Geo. D. Fletcher, Binkham; W. D. Flatt, Hamilton; W. G. Pettit & Sons, Freeman; J. & W. Russell, Richmond Hill; James I. Davidson, Balsam; John Dryden & Son, Brooklin; T. E. Robson, Ilderton; G. A. Drummond, Pointe Claire; Goodfellow Bros., Macville; Haining Bros., Highgate; G. H. Oke, Alvinston; Israel Groff, Alma; R. & S. Nicholson, Sylvan; and John Aitchison, Inverhaugh.

While the general character of the competing animals was of a higher standard than ever seen at any Canadian show, and there were very many more high-class animals than at any former Toronto Exhibition, there were yet few, if any, phenomenal or sensational numbers, and it is, we think, correct to say that on more than one occasion we have seen here one or more better animals than the best at this show. While admitting this, however, it is also safe to say this was the greatest show of Shorthorns ever seen in Canada, the largest number of first-class animals, and the highest average in quality and type. The class was judged by John Miller, Jr., Brougham, and J. C. Snell, London, with Thos. Russell, Exeter, as referee, who was several times called upon to break a tie, and was associate judge in some classes. The entries were so numerous, and the subsections of the class in many cases so largely filled, that it must have been an onerous and difficult task for the judges to place the animals to their own satisfaction, and still more difficult to do it to the satisfaction of the exhibitors, if indeed that were possible. So formidable was the competition, classes of 15 to 20 entries and upwards being common, that though no complaints of the judging being unduly slow were heard, three full days were occupied in disposing of the prize-list, which comprised from three to five prizes in a classification of 25 separate sections, including herd and family groups, and senior and junior championships.

In the section for aged bulls there were eleven entries, nine of which were forward, making the strongest show of mature sires seen here in many years, and including the two well-known imported roan bulls, Marquis of Zenda, six years old in February last, bred by Mr. W. S. Marr, sired by Wanderer, out of Missie 123rd, by William of Orange, and shown by Senator Edwards; and the four-year-old Joy of Morning (imp.), bred by Mr. Duthie, sired by Pride of Morning, and shown by Geo. D. Fletcher, who purchased him at the dispersion sale of the herd of the late Hon. M. H. Cochrane last month. It was, perhaps, generally expected from the reputation of the Marquis that he would head the list, but after a careful examination and comparison, the judges agreed to place Joy of Morning first, Marquis of Zenda second; the roan five-year-old Watt-bred Spicy Robin, shown by Jas. A. Crerar, third; the white five-year-old Nicholson-bred Valasco 29th, shown by John A. Aitchison, fourth; and the red five-year-old Watt-bred Prince Rupert, shown by Geo. Crawford, Ora, fifth, as reserve number. The placing of the first met with some criticism, owing to the extremely high condition of the winner, which was not so much his fault as that of the feeding he had received, for those who remember Joy of Morning as he appeared as a yearling at Toronto will agree that with judicious feeding and treatment he had in him the qualities of a very high-class bull, which, notwithstanding his present overdone condition, he still retains; his character, thickness and quality of flesh, depth and position of ribs, fulness of thighs, smoothness

of shoulders, and his handsome, yet strong head, combining to constitute him a great bull. It is but fair to his rival to state that he was not in show fix, having had but little preparation, and being in little more than ordinary breeding condition, and it is not easy in all cases to estimate the difference that show condition or the lack of it makes in an animal.

The three-year-old section had a fitting leader in Mr. W. D. Flatt's Imp. Spicy Marquis, bred by Mr. W. S. Marr. He is a rich roan, was the male champion at Toronto last year, and is a bull of excellent type, conformation and quality, without doubt the best show bull in Canada, and a capital sire as well, as was evidenced by his winning here against very strong competition, the first award for a bull and three of his get. He was also at this show awarded the senior championship for bulls in the class, and has been sold for \$3,000 to Sir William Van Horne, to head his herd on his farm at Selkirk, Manitoba. Hon. John Dryden & Son furnished the second winner in this section, in their red Prince Gloster, of the Cruickshank Duchess of Gloster family, a bull of sterling worth individually and an impressive sire, as the capital class of calves by him brought out at this show amply attests. He has a strong, fleshy back, and is well filled in all parts, standing well on short, well-placed legs, and was well fitted, as were all the exhibits from this herd, reflecting credit on Mr. W. E. Dryden's judgment and skill as manager of the herd. The Russells had the third-prize winner in their Imp. Fitz-Stephen Forrester, who, though in only fair breeding condition, made a very good impression on his first appearance in public, being straight and strong in his back, having long, level quarters, a capital head and horns, the best of handling quality, and a splendid set of limbs, well placed. If put in show condition, he will make a hard bull to beat, and his calves prove that he is a superior sire. There were five excellent bulls in the two-year-old section, and the judges differed as to the placing of the first and second between Capt. Robson's roan, Imp. Prince Sunbeam, bred by Bruce, of Heatherwick, and Mr. Edwards' red Imp. Village Champion, bred by Duthie. The former, a handsome, strong-backed, well-fleshed bull of fine quality and character, is nearly three months younger than his rival, being only two in May last, while Village Champion was two in February. The latter, however, is deeper ribbed, and is stylish, level and attractive. The referee decided in favor of the roan bull, and the red ribbon, first prize, went to Capt. Robson's entry. Village Captain, a lengthy, level, well-fleshed roan shown by Pettit & Sons filled third place creditably, and but for temporary lameness from foul in the foot would have made things interesting for his competitors. Senator Drummond's Cicely's Pride, a straight, level roan, much admired by the outside talent, came into fourth place. In a very strong class of senior yearlings, Hon. John Dryden & Son's Clipper Hero, a sappy, deep-ribbed, smoothly-formed and well-proportioned bull, claimed the right to first place, which was granted by general consent, and he was adjudged worthy to wear the junior championship badge. Second position was as freely accorded to Goodfellow Bros.' red Imp. Famous Pride, a very stylish, level-lined and smoothly-turned bull, third prize going to Edwards' Lancaster Comet, by Marquis of Zenda.

Junior yearlings numbered ten, and were a very excellent class, first honors going to Mr. Flatt's handsome and typical Diamond. He is young for his class, being less than a month over the year. Second position was accorded to Mr. Davidson's Imp. Choice Archer, bred by Mr. Durno, of Jackston. He is a nice roan of good stamp and promising to make a valuable bull. Third prize went to Haining Bros.' Jilt Victor (imp.), a roan of excellent style, conformation and quality, and one that made a stiff fight for higher place.

Senior bull calves, as usual, made the largest entry in the class, no less than twenty-one lining up for inspection. An outstanding winner was found in Capt. Robson's Royal Wanderer, a rich roan son of Imp. Wanderer's Last, and of Imp. Jealous Girl. He is of the best type, low-set, wide-backed, and well-fleshed. His half-brother, Wanderer's Star, by the same sire, made a stiff fight for second place, but was forced to yield the position to Goodfellow's red calf, Remus, by Shining Light, while third went to another son of Wanderer's Last, a very deep-ribbed, fleshy, sappy youngster, thought by some to be even non-promising than the first winner.

In an interesting class of junior bull calves, the first award went to Edwards' Clipper Champion, a handsome red-roan son of Village Champion. Captain Robson's Vain Baron, by Vanguard, made a good run for the lead in this section, but was placed second, the Dryden herd filling third place, Davidson's coming in fourth, and Fletcher's fifth.

A baker's dozen of well-fitted cows over four years old, made the largest, and, in many respects, the best show in this section ever seen in Toronto. There have been better single animals

here than any in this collection, but the average for so many was high. The placing after the first was difficult, and might have been different without doing injustice to any, and if mistakes were made in any section it may be that they were in this. The cow selected for first place, Crerar's imported Gem of Ballachin, a red-and-white five-year-old, was clearly entitled to the position, being a fresh-looking young cow, with a strong, fleshy back, deep-ribbed, smooth-shouldered, and having a breedy, feminine appearance. For second place the noted cow Missie 153rd, bred by W. S. Marr, for which Mr. Edwards paid \$6,000 at a Chicago sale two years ago, was chosen. While scarcely a first-class show cow, Missie is an attractive cow. Standing on short legs, she is level and smooth, and matronly in appearance, and being not over-fitted, she looked fresh and wholesome, and likely to prove a useful breeder, as, indeed, she has already, winning easily later on first place for a cow and two of her progeny. Goodfellow's Imp. Water Cress, a roan four-year-old cow, was given fourth place. Having calved only a few days before, she was not looking her best, but is a grand cow, with wonderful heart-girth and spring of ribs, and general quality. Had she been at her best, she could hardly have been kept from going higher in the list. After this, though all were good cows, it was difficult to make a selection, and a different rating might have been more popular. Rosa Bonheur, a red four-year-old cow, shown by the Russells, not highly-fitted, but having many good qualities, was placed fourth, and Mayflower 3rd, a handsome, low-set roan, four years old, daughter of Imp. Royal Sailor, and shown by Wm. McDermott, Living Springs, was given fifth place.

In a good, strong class of ten three-year-old cows, a clear first was found in Crerar's red-and-white Gem of Ballechin 2nd, daughter of the first-prize aged cow, born when her dam was but eighteen months old. She has been a winner from calthood, and won the senior championship here this time, her mother being her strongest rival for that honor. Level, low and lengthy, sweet, smooth and symmetrical, she is as nearly right as they are made, and considering that she has always been fitted for the show-ring, her record as a breeder is remarkable, as she showed for a cow and two of her progeny, with a 17-months son and a 6-months daughter, winning second award. Pettit & Sons' Imp. Martha 4th, a large, smooth, well-proportioned young cow, bred by Mr. Anderson, Saphock, and sired by Spicy King, made a strong second. Goodfellow's Imp. Orange Blossom 2nd, a wealthy-fleshed cow, of good quality, was given third position; and Groff's Imp. Olive Wenlock 2nd, bred by Mr. Menzies, of Trinie, a sweet young cow, of breedy appearance and good form, came in fourth.

In a large class of over a dozen two-year-old heifers, of varying types and hard to place, Capt. Robson's Topman's Queen, a big and bountiful roan daughter of the old champion Topman, could be given no other place but first. She was the first-prize yearling here last year in stronger individual competition than she met this time, and has gone on well, though having raised and nursed a calf. Lilly of Pine Grove 2nd, of the Edwards string, a big roan daughter of Marquis of Zenda, though not a strong show heifer, would have been lonesome in any other than second place. Groff's Roan Mary, by Golden Count, a compact heifer, of fine quality of flesh, came into third place, and the judges tied between Edwards' White Flower 3rd and Haining Bros.' Imp. Pandora for fourth place, the referee deciding in favor of the White heifer. The senior yearling section was the strongest in the show, there being eighteen entries, and hardly a weak one in the lot. There was, however, an outstanding first in Mr. Edwards' white heifer Golden Bud, by Marquis' Heir, out of Imp. Golden Wreath, by Remus. She is a model of the breed. Sweetly feminine, smooth, level, round and deep, full of the best quality of flesh, and standing well on her pins, she will do for a standard of excellence. The junior sweepstakes fell to this heifer without a struggle, though the rivalry was strong. A worthy second in her class was found in Mr. Dryden's Bertie 4th, a red daughter of Prince Gloster, out of Bertie 3rd, by Imp. Collynie Archer. She is an excellent heifer, true in her lines and combining quality and substance in a high degree. Captain Robson's roan heifer, Lady Windsor, is winsome and hard to pass by. She has the quality of flesh and hair, and level top and set of ribs, and was well worthy of the third place, if not a higher. Imp. Susan 2nd, a good heifer, shown by Mr. Davidson, fell into fourth position, and his home-bred Necklace 2nd, placed fifth. In a really good class of two-year-old yearlings, Mr. Edwards' Missie of Pine Grove, a red-roan daughter of Missie 153rd, sired by the Favorite, and imported in dam, was placed first. She is a sweet heifer, full of quality and character, a credit to her mother and the Crerar family. She was reserve number for

the junior championship. Second honors also went to the same herd for Orange Blossom, a compact roan heifer, of fine quality, sired by Marquis of Zenda, out of Imp. Flora, by Toisman (63447). The third prize went to Groff's Duchess of Athelstane 4th, a big, sappy heifer, with capital flesh, shown at a disadvantage owing to being in heat, else she might have gone higher. Goodfellow's Mamie Stamford, by Golden Standard, made a good fourth.

In a class of twenty senior heifer calves, a clear winner of first honors was Mr. Flatt's Dolly Marquis, a charming daughter of the champion bull, Spicy Marquis, out of Dolly Eugenie, by Chivary. She is a rich roan, with level top and bottom lines, nice character and quality, and a credit to her illustrious sire. Second and third were placed two beautiful roan calves shown by R. & S. Nicholson. The second-prize heifer, Imp. Spicy Wimple, by Spicy King, out of Lady Bell Hope, by Prince of the Vale, is fine in her make-up, and promises to remain a show heifer of high-class character, while the home-bred Pine Apple of Sylvan 2nd, by Imp. Chief of Stars, and out of Imp. Pine Apple 12th, by Challenger, is a close rival for favor, and is full of quality.

Junior heifer calves were led by Zoe of Pine Grove 3rd, a daughter of Marquis Zenda in the Rockland herd, a sweet red heifer, out of Imp. Zoe 4th, by Lord James. A capital second was Russell's Nonpareil Beauty 5th, by Imp. Fitz-Stephen Forrester, out of Nonpareil Beauty, by Stanley. She is a very promising calf, level and carrying a good quality of flesh. Third went to Belinda 4th, a beautiful daughter of Imp. Scotland's Pride and Imp. Belinda, and fourth to Rosy Marquis, by Spicy Marquis, shown by Mr. Flatt.

Herds and Family Groups.—The awards for the best four calves bred and owned by exhibitor went first to Capt. Robson, second to W. C. Edwards & Co., third to Goodfellow Bros., fourth to R. & S. Nicholson.

For the best bull and three of his get, the first place was given to W. D. Flatt for Spicy Marquis and his progeny, second to W. C. Edwards & Co. for Marquis of Zenda and his get, and third to Hon. John Dryden & Son for Prince Gloster and his offspring.

For the best cow and two of her progeny, first place was given to Edwards' Missie 153rd, second to Goodfellow Bros. for Imp. Water Cress, third to Crerar for Gem of Ballechin 2nd.

For the best three animals, get of one bull, first award went to Edwards & Co. for Marquis of Zenda's offspring, second to Flatt for Spicy Marquis and his get, third to Capt. Robson for the progeny of Wanderer's Last.

For the best three females bred by exhibitor, the rating was Crerar first, Edwards second, Goodfellow Bros. third, Nicholson fourth.

For the best young herd, one bull and four females, under two years old, the placing was, first to Edwards & Co., second to Goodfellow Bros., third to Dryden & Son.

For the best herd, one bull and four females, any age over one year, first Edwards & Co., second Crerar, third Robson, fourth Pettit & Son.

The cattle ring during the judging of this class was surrounded by a large crowd of interested spectators, and when the competing herds were strung out over the enclosure they constituted a grand and inspiring spectacle, exciting the enthusiasm of the crowd of onlookers and leaving an impression of the greatness of Canada's cattle industry which will be indelibly fixed on the minds of the assembled witnesses.

HEREFORDS.—The popularity of a breed of cattle is estimated largely by the number and quality of its exhibits at the leading fairs. If this grand breed of beef cattle at the Dominion Exhibition at Toronto this year was disappointing in this respect, the result is mainly due to the narrow spirit and policy adopted by the Canadian Hereford Breeders' Association in requiring that only animals registered in their herdbook be allowed to show at the Toronto Exhibition. The Exhibition Association, we presume, is guided by the Breeders' Association in formulating its rules, and the latter must shoulder the responsibility of shutting out one of the leading Hereford herds in the Dominion, owing to its being registered in the American Herdbook, the standard of which is more strict than that of the Canadian. The Aberdeen Angus Association shows a more excellent spirit, their class not being hampered by such narrow gauge rules, and the result is that the breed is strengthened at the shows, rather than weakened. We know of no other important show in America in which pure-bred registered stock is excluded because of the book they are recorded in, and the Ontario Hereford breeders, who practically control the Association, are not to be congratulated on its conduct and administration.

The absence from the Dominion Exhibition of the herd of Mr. H. D. Smith, of Compton, Quebec, who has done more than any other Hereford breeder in the last decade to keep up the character and reputation of the breed by bringing out high-class representatives, was a distinct disappointment to the public and a loss to the repu-

tation of the show, for we are assured that he was well prepared to make a strong display, but he declined to be driven to record in any particular book, and the Sherbrooke Show had the benefit of his exhibit, which might otherwise have been at Toronto, where the competition was limited to the herds of W. H. Hunter, The Maples, and the F. W. Stone Stock Co., Guelph, both of which contained good representatives of the breed, brought out in good condition.

In the section for aged bulls, two excellent animals competed, the first place being given to Hunter's Spartacus, imported from the U. S., a lengthy, level, well-finished bull, while the Stone Stock Company's Baronet, imported from England, made a close competitor, and is a bull of fine form and quality. Hunter's Diplomacy had the field to himself in the yearling section, there being no entry in the two-year-old section. Five bull calves competed, a very good lot, indeed, the first award going to Hunter's Orion, by March On, second to the Stone Co. for Prince Charming, and third to Hunter. In a class of useful cows, Hunter's Hazel was placed first by the grace of

meda and Maple Beauty. The herd prizes went first to Hunter, second to the Stone Stock Co. The sweepstakes for best bull went to Hunter's Spartacus, and the female sweepstakes to the Stone Stock Co. R. W. Stitt, Forest, Ont., judged the class.

ABERDEEN-ANGUS.—This class was about up to the average in point of numbers, the three exhibitors, Walter Hall, Washington; Jas. Bowman, Guelph, and W. R. Stewart, Lucasville, being old-time competitors, who have fought it out in the show-ring year after year. Further interest was centered in this class this year on account of the fact that both Hall and Bowman had some new blood forward, in the shape of imported animals, some of which had won a name in Old Country showyards.

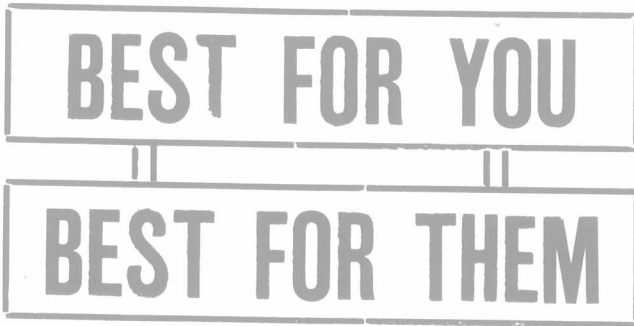
In the aged bull class two capital imported bulls, Prince of Penton, bred by that well-known breeder, Clement Stephenson, and imported by Jas. Bowman, and Klondyke of the Burn, bred by Charles McInroy, and purchased from Lord Rosebery by Walter Hall, contested for honors. These bulls are of somewhat different type, the former being well-sprung in the loins and back, and low-set, the other being a good type of the breed, but hardly so short in the leg. The judge had some trouble in deciding which to put first, but eventually placed them in the order given above. Stewart came third with Scots, a son of Walter Hall's well-known old show bull, Lucretius. There was only one two-year-old bull entered, Sir Wilfrid, shown by W. R. Stewart, one of a good sort. In yearling bulls, Bowman was first with Elm Park Laird 6th, a smooth bull, of good quality. Bull calves were four in number, and here Bowman was first and second, and Stewart third. The sweepstakes for best bull any age went to Bowman's Prince of Benton (imp.).

Aged cows made an excellent display. Here Hall came to the front with Lady Gladstone, a thick, good one, followed by the same exhibitor's Newtona's Promise, an old-time winner, that did not carry the bloom she used to show formerly. Stewart's Lady Bell, bred in Iowa, came third. Three-year-old cows made a pretty ring. Walter Hall scored again with Lady Gladstone 2nd, a daughter of his first-prize aged cow. She is of a very good type, short in the leg, and thick; she eventually won the sweepstakes for best female. Newtona's Favorite 2nd, her ring mate, came in second, while Bowman's imported cow, The Belle of Delavel 2nd, a first-prize winner at the Birmingham show and sale as a yearling, had to take third place. This heifer, however, showed great smoothness and quality. In two-year-olds, Bowman was an easy winner, coming in first and second with heifers of his own breeding, while Stewart was third. Walter Hall's imported yearling heifer, Pride of Dalmeny 8th, could not be denied first place in her section, her substance putting her above Bowman's entries, the best of which—the second-prize one—excelled her in straightness of top and on the shoulder. Heifer calves were a very fair lot. Bowman won first and third, and Stewart second, Hall not exhibiting. In herds, Hall won the red ribbon, while Bowman was second and Stewart third; the competition for this latter place being very close between his herd and a second string of Bowman's, which some preferred.

This class was satisfactorily judged by Prof. Day, of the O.A.C., whose decisions were given after due consideration.

GALLOWAYS made a good show, as usual, though only the two herds of D. McCrae, Guelph, and Shaw & Marston, Brantford, competed. Three aged bulls competed, the rivalry for first place being keen between the two imported animals, Cedric 4th, shown by McCrae, and Viceroi of Castlemilk, by Shaw & Marston, with the result that Cedric was given premier place and Viceroi second. McCrae had the only two-year-old and yearling bulls out, and was awarded first for each. The Brantford firm scored first for bull calf with King Vick, and McCrae second and third with sons of Cedric 4th.

Shaw & Marston came to the top in the cow class with their breedy, smooth and symmetrical Belle B. of High Park, by McCartney, and out of Flora McErin. McCrae was second with Polly of Durhambill, and third with Semiramis 36th. In three-year-old cows, the Brantford herd was again first with Belle B. 2nd, a beautiful and symmetrical daughter of the first-prize aged cow, a model of the breed. McCrae was second with Nellie 12th of Lockenit, and third with Grisel 11th. In two-year-old heifers, McCrae scored first and second with Molly of Kilphanity and Lesmore Lady. In yearling heifers, Shaw & Marston came first and third with Muriel and Eliza Lass, McCrae second with Maid of the Mist. The Brantford firm were again first with Kate S. 2nd, and McCrae second for Belle of Guelph. The herd prizes were awarded first to Shaw & Marston, second and third to McCrae. The sweepstakes for best bull any age went to McCrae's Cedric 4th, and the sweepstakes for best female to Shaw & Marston's three-year-old cow, Belle B. 2nd.



We look upon our subscribers as our best friends, and as such we ask you to use your influence in securing us new subscribers to the "Farmer's Advocate." Tell your friends and neighbors what it is worth to you, and get them all to subscribe. By doing so at once you can do them a good turn. We will send them the FARMER'S ADVOCATE FROM NOW TO THE END OF 1904 FOR ONLY \$1.25. This includes the Christmas numbers for both 1903 and 1904, which alone sell to non-subscribers for 50c. each.

Or we will send it for the remainder of 1903, including this year's Christmas number, for 25c.

We do not ask you to do this for nothing.

Read our premium list in this issue for sending us new yearly subscribers. Five subscriptions for the remainder of the year count as one new subscriber. If there is nothing in the premium list which you want, we will give you a cash commission of 25 per cent. on all new names.

We will look for a list of names from you in a few days. You can easily secure them if you try.

Wishing you every success, we are,

Very truly yours,

The William Weld Co., Ltd.
London, Ont.

the judge. She is lacking in type, and would seem to have been more properly placed lower in the list, the second-prize cow, Peach 24th, of the Stone string, being of a better type, as was also the third cow, Hunter's Imp. Buttermaid, who has many good qualities. Of the two three-year-old cows forward, Hunter's Imp. Sunflower, bred by the late Queen Victoria, made a worthy first, and the Stone Co.'s Peach 36th a very good second. There were two very good two-year-old heifers out, the first prize going to the Stone Co.'s Sweetheart 34th, and second to Hunter's Daylight. In a very good class of yearling heifers, the premier place was accorded Sunbeam, imported from the Armour herd of Kansas City, Mo., a young one for the class, being only thirteen months old, but a very thick-fleshed and well-formed heifer. She was sired by Imp. Pluto, and out of Imp. Sunflower. The Stone Co.'s Sweet Bar, by Imp. Baronet, and out of Sweetheart 33rd, was second and Hunter's Coquette third. In heifer calves, Stone Co. was first with Peachston C., and Hunter second and third with Andro-

AYRSHIRES.—This was a great class, there being over 100 entries in it. The younger sections were unusually well filled, and very uniform in type and quality, but we have seen stronger aged cow and aged bull classes here. The breed, however, made a splendid showing on the whole, and constituted one of the most interesting classes in the show, making a very pretty spectacle as they paraded in the ring and were lined up for placing by the judges.

The system of judging herds first, before passing upon individual animals in their sections by ages, was again adopted, and its absurdity so clearly demonstrated that we hope to see it no more. The only reason or excuse ever given for its adoption has been the untenable one that the judge or judges may, if they have an object, place the animals in the various sections with a view to strengthening some particular herd in the final contest in the rating of herds, or that the individual awards may be counted and valued in the placing of the herd awards. The very statement of this reason is a reflection on the honesty and impartiality of the judge, and is logically contradictory, as it is clear that a judge who would scheme to strengthen a herd in that way would study to make the individual rating support his herd awards. Besides, no judge who knows his business and values his reputation will make the herd rating on the basis of the prizes won in the various sections, unless the animals in the preferred herd have been in competition with the others in the sections by ages, and have defeated them or a majority of them. It is a sufficiently difficult task for a judge to tackle a large class of cows at the opening of a show and place them according to individual merit, but to ask him at the outset to decide between half a dozen or more herds, consisting of a bull of any age and five females of graded ages, from a calf under a year to a cow or two over three years, is simply to set him an impossible task, as was clearly proven on this occasion, when two good judges, one of whom we understand, has been the chief champion of the system, worried with the problem for three mortal hours, keeping cows that had not been milked for eighteen hours standing under a scorching sun, exposed to a fierce attack of flies, and then failing to agree or to differ, and, finally, in desperation, jumping at a verdict, since they must do something, and making a rating that was not supported by their later rulings in the individual sections, proving at least, what no one doubted, that they were thoroughly honest and impartial. The absurdity of judging herds first was strikingly exemplified in another dairy breed at this same show, where the animals composing the first-prize herd failed to win even a third prize individually at the hands of the same two judges, and no one doubts that these too were thoroughly honest and impartial. In fact, it is not too much to claim that the dual judge system was thoroughly discredited at this show, as being intolerably slow and quite unsatisfactory. Two judges spent two whole days in making the awards in one class, and three days in another, while the only single judge of cattle placed the awards in two classes, one of which was a strong one, in one day, finishing his work early in the afternoon, and giving better satisfaction than was given in any other of the cattle classes.

There were five good aged bulls forward, all well known to the Ayrshire fraternity, and not very difficult to place. The premier place was granted by common consent to the four-year-old imported Black Prince of Whitehill, exhibited by W. Watson Ogilvie, Lachine Rapids, Que., a bull of fine dairy type and conformation, that has been a popular winner in former years. Second place was given to Hover-a-Blink, the low-set, deep-ribbed and velvet-skinned son of Dainty Lad and Jean Armour, shown by Wm. Stewart & Son, Menie. This bull has always had a good list of admirers, and with such a pair of parents it is not surprising that he proves a potent sire—he could hardly fail. Prince of Barcheskie (imp.), shown by Alex. Hume & Co., Menie, a massive bull, of fine quality, came into third place. He, too, has proven an excellent sire, as the young things in this herd amply attest.

The principal interest in the Ayrshire class centered in the two-year-old bull section, where two noted newly imported bulls met in a battle royal for supremacy. These were Howie's Fizzaway, entered by Robert Reford, St. Anne de Bellevue, Que., and Lessnessock King of Beauty, shown by Robert Hunter & Sons, Maxville, Ont. One of the judges having sold a bull that was showing in this section, declined to act, and his colleague, as a single judge, tackled the proposition manfully, and in probably half the time that the two could have done it, settled the question quite as satisfactorily as two could have done, for it was so near a match that whichever way the verdict went there was no good ground for complaint. Fizzaway is a great young bull, who was a very successful winner on his native heath, combining constitution, quality and breed character in high degree, while the King of Beauty is aptly named, being bright, stylish, handsome, and

yet of excellent dairy form and type. A more perfect stamp of dairy bull is seldom seen, and no wonder he captivated the judge, though he had a close call for the honor of first place, which was given him. He does well, however, to wear his honors modestly, as it will take him all his time to hold them, even through the present campaign, for the next judge he meets may reverse the rating. The third prize in this section fell to Polar Star, a right good bull, bred by Kains Bros., Byron, and shown by W. M. Smith, Scotland.

The first award in a capital class of yearling bulls, after a close contest, fell to Hume & Co.'s Lessnessock Royal Star, a handsome, stylish and typical modern Ayrshire bull, of the best of dairy form. He was imported by Messrs. Hunter & Son, who are to be congratulated on their good judgment in making the selection, as are Messrs. Hume on securing so good a bull. The second award went to Hunter & Sons for First Choice of Glenora, a capital son of the champion Imp. Douglasdale, and of Imp. Edith of Lessnessock, a noted prizewinning cow. Third place was well filled by Reford's Glencairn 4th, a big, sappy, soft-skinned son of the grand old Imp. Glencairn 3rd, and of Imp. Mayflower 24th of Barcheskie. This bull comes of illustrious parentage, and has all the quality one could desire, and plenty of size and strength of constitution with it. An excellent class of senior bull calves was led by Sensation of Glenora, bred and exhibited by Mr. Ogilvie, sired by Imp. Douglasdale, and out of Imp. Minnie of Lessnessock, the champion bull and cow at Toronto last year. Mr. W. W. Ballantyne, one of the judges, having purchased this calf some months ago to head his herd, declined to act in this ring, and again a single judge did the work, and made no mistake in placing the first award, which was a plain proposition, and the new owner of Sensation is to be congratulated on securing such a high-class young bull bred from such a deep-milking dam and such a noted sire. Hume & Co. had a capital second in Lord Lionel, by Imp. Prince of Barcheskie, out of the excellent cow Little Love, a well-known prizewinner in former years. Stewart & Son had also a right good one for third place in Heather Lee, by Imp. White Prince 2nd, and out of the prizewinning cow Lady Ottawa. J. G. Clark, of Ottawa, also showed a capital calf, which got into fourth position. In junior bull calves a star performer was found in Right Away, bred and shown by Mr. Reford, sired by Imp. Glencairn 3rd, and out of Imp. Flora's Lady. This calf is a model of dairy form and quality, and should make his mark in the future, as he has already in the living present. Hunter & Sons had a good second in Chum of Springhill, and Stewart & Son a good third in Aberdeen, as also had Mr. Clark for fourth.

The sweepstakes for best bull any age went to Mr. Ogilvie's first-prize aged bull, Black Prince of Whitehill, in a competition including the first-prize winners in the five sections by ages, and seldom, if ever, in Canada have five better ones met to compete for the championship.

The first place in a good class of aged cows was given to Blue Bell (imp.), of Reford's herd, and second to Hunter & Sons' Imp. Garclaugh Queen of the Soncies, both of excellent type and showing strong indications of utility as dairy workers in their shapely udders. Third also fell to the Reford string for Aunt Sally, and fourth to Hume & Co.'s Little Love, leaving out of the money Stewart's excellent Jean Armour, a former winner, now in her twelve-year-old form, but looking strong and fresh and likely to hold her own against the field as a worker, while if we had to do the milking we would choose her for our cow. A sensational winner was found in the three-year-old section in Mrs. W. E. H. Massey's Lost Chord of Dentonia (imp.), a grand young cow carrying a model milk vessel with perfect teats perfectly placed. J. G. Clark had in Silver Pet of Woodroffe an excellent second, while Reford's Littleton Mary came third in the rating, and Hunter's Kirkland Sparrow (imp.) fourth.

For dry cows in calf, the prizes went first to Reford's White Prim, second to Hunter's Dewdrop, and third to Stewart's Lady Ottawa.

In a ring of nine two-year-old heifers, Hunter & Sons scored first and second with the two charming imported Lessnessock heifers, Stylish Alice and Queen of Bloom, Stewart winning third with Bessie of Warkworth.

In a typical class of 15 yearling heifers, Hunters' string again won with Imp. Stylish Beauty, Reford second with Nellie Osborne 4th, and third with White Rose of St. Anne.

Hunter & Sons won in the section for senior heifer calves with Dorothy of Glenora, Clark second with Flossie, Stewart third, and Reford fourth.

In junior heifer calves, Reford was first with Little Marion (imp.), Hume second, third and fourth.

The sweepstakes for best female went to Mrs. Massey's Lost Chord.

For the best four animals progeny of one bull, Reford won first and third with the get of Imp. Glencairn 3rd, a splendid exhibition of the grand old bull's potency as a sire. Hume was second with the get of Imp. Prince of Barcheskie, and

Stewart fourth with the offspring of Hover-a-Blink.

For the best young herd, one bull and three heifers under two years, heifers to be bred by exhibitor, Hume & Co. won with the herd illustrated on another page in this issue, headed by Imp. Royal Star, Reford second, Clark third, Stewart fourth.

For the best herd of one bull any age, two females over three years, one over and two under three years, one yearling and one under a year, the rating after a three-hours' examination was first Reford, second Hunter & Sons, third Reford, fourth Stewart & Son.

The judges were W. W. Ballantyne, Stratford, and Alfred Kains, Byron, Ont.

JERSEYS.—There has seldom, if ever, been a better all-round show of Jerseys in Canada than at this year's exhibition at Toronto, the entries totaling 75, and the average quality being higher, especially among the young things, than ever before. We have seen a stronger show in aged cows here, but the bulls and the young cows and heifers were up to a very high standard of excellence. The class was judged by Mr. Valancey E. Fuller, of New York City, formerly an extensive breeder of Jerseys at Hamilton, Ont., and a very successful exhibitor on the Toronto Exhibition grounds, when he and the late Mrs. Jones, of Brockville, were rival exhibitors. His work was a capital illustration of the superiority of the single-judge system, as he placed all the prizes in the Jersey and Guernsey classes in one day, finishing early in the afternoon, and never has better satisfaction been given in any class at Toronto, not a single complaint having been heard regarding his work.

The noted herd of Messrs. B. H. Bull & Son was, as usual, very successful, winning in all over thirty prizes, including the championship silver medal for the best bull any age, the first prize for a young herd of one bull and three heifers under two years old, the latter bred by the exhibitor, and first and second for four animals the progeny of one bull with the offspring of the great sire, imported Brampton Monarch, a record never equalled here before by the get of one sire. They were also first with their entries in the sections for aged bull, yearling bull, bull calf, two-year-old heifer, yearling heifer in milk, yearling heifer out of milk, and junior heifer calf. Their first-prize and champion bull, Blue Blood, illustrated on another page, imported in dam from the Island of Jersey and born on the Toronto Fair Grounds four years ago, is a son of Aristocrat, who was by the noted sire, Golden Lad, and out of Nameless, the first-prize cow over the Island for three years in succession. The dam of Blue Blood was imported Brilliant, one of the best Jersey cows ever imported to Canada. Blue Blood is a model Jersey bull, of the most approved modern type in style and conformation, and has the best of breeding at his back. Their first-prize yearling bull, Brampton's Nameless King, selected to breed to Imp. Monarch's daughters, a son of Mr. Rockefeller's great bull, Financial King, for which he refused \$5,000, and his dam, Arthur's Adoration, was by Golden Lad, and out of Nameless, giving Nameless King a combination of the most highly valued blood lines known in modern Jersey breeding. With such sires to breed to the grand galaxy of females in the Brampton herd, its character is not likely to depreciate, but rather to improve and keep strictly up-to-date.

The fine Dentonia Park herd of Mrs. W. E. H. Massey, Toronto, was well represented, having at its head the richly-bred and individually excellent young bull, Arthur's Golden Fox, the first-prize two-year-old bull, sired by Imp. Flying Fox, sold at the Cooper sale last year for \$7,500, and out of a daughter of Golden Lad. Mrs. Massey's first-prize cow, Queen May of Greenwood, was the second best of the Jerseys in the six-months test at the Pan-American Exhibition, and is a cow of great capacity and strong dairy character. The first-prize two-year-old heifer, Flying Fox Brunette, of the Dentonia herd, was the sensational female of the show in the Jersey class, winning also the sweepstakes medal for the best female any age. She is a phenomenal heifer. She was shown here last year as a yearling in milk, with an udder that would do credit to a mature cow of the first order, and she came out again this year fresh and improved in every respect, carrying an extraordinary udder for size, shapeliness and placing of teats, while her daughter, nearly one-half as old as herself, as she was born before the fair last year, competed in the senior calf class, winning second honors.

The best-prize daughters of Imp. Brampton Monarch, in the two yearling heifer sections, in milk and out of milk, and the first-prize senior heifer calf, by the same sire, all of the Brampton herd of Messrs. Bull, the latter out of the prize cow Susie, were greatly admired, and are models of the breed in type and quality. The sweepstakes prize medal for best female went to Flying Fox Brunette, and the first prize for herd of one bull any age and five females of graded ages went also to the Massey herd.

Mr. William Willis, of Newmarket, showed a

few capital young cows and heifers, showing superior breeding and great capacity for dairy work, and won first prize in the three-year-old cow class with Dolly of Pine Ridge, an exceedingly handsome and breezy young cow, of high-class dairy form, and swinging a big and well-balanced udder with good-sized teats, correctly placed. She would grace any herd in the land, measuring up to the highest standard of the breed and of dairy conformation.

GUERNSEYS.—As in 1902, Mrs. W. E. H. Massey, Coleman, was the only exhibitor of Guernseys, but she made a very good display, having no less than four entries in aged cows, and three in three-year-old heifers, with double entries in all the heifer classes but one. All her exhibit showed quality, and the females indicated present and future usefulness at the pail. The sweepstakes for bull went to the aged bull, Island Heirloom of D.

HOLSTEINS.—This breed maintained the usual standard of number and excellence as generally found at this show. In addition to the entries of Jas. Rettie, Norwich; A. C. Hallman, Breslau, and G. W. Clemons, St. George, who have been pretty constant exhibitors for some years, there were animals from the herds of S. Macklin, Streetsville; W. W. Brown, Lyn and R. F. Heicks, Newtonbrook, all of whom have exhibited previously, but not continuously. The Macklin herd was very fortunate, winning first for open herd. In aged bulls there were five entries, all of more or less merit. Hallman's Judge Akkrum De Kol 3rd, a bull of good substance, a nice handler, with well-developed and well-placed rudimentary teats, and who was the sweepstakes bull last year, again took first; second honors going to Rettie's Schuiling's De Kol, a neat, short-legged, smooth animal, that stood first last year as a two-year-old. Clemons' stock bull, Count Mink Mercedes, who has been a great winner in his day, received the yellow ribbon; and Brown's Emperor Joseph, a very excellent bull, came fourth; leaving unplaced, to the surprise of on-lookers, Macklin's Matteson-bred bull, Homestead Albino Paul De Kol, not a large one, but smooth, and of high-class quality, whose sire was the sweepstakes bull at the State Fair, Syracuse, N. Y., and who headed the first-prize herd at this Dominion Exhibition. Three two-year-old bulls faced the judges, who selected Rettie's Sir Pietertje's Acme, a lengthy, smooth bull, to head the section. Next to him came Clemons' Count of Maple Hill, a very excellent son of the old champion, Count Mink Mercedes. He is likely to equal his sire in his best days, and might well have been placed at the head of the list here. Third place fell to Heicks' Roosevelt. The red ribbon for yearlings was sent to Rettie's Cornelia's Posch, a good, smooth bull, of superior quality; his principal opponent being Hallman's Cornelia Neth. De Kol, a straight, likely-looking son of the champion, Judge Akkrum's De Kol. Brown's Patty's Emperor Joseph was third, and Heicks' Chamberlain fourth.

Only three bull calves under one year old were out, and here again Rettie came in ahead, although it was a close thing between his and Hallman's calf. Rettie's had the advantage in size. Brown's entry was third. There were ten entries of younger calves, an uncommonly good, even lot, and here the prizes were awarded as follows: Hallman, 1st, 3rd and 4th, for sons of Judge Akkrum's De Kol; Rettie 2nd.

The sweepstakes for bulls went to Hallman's aged bull, Judge Akkrum De Kol, one of the most perfect Holstein bulls in America.

Out of a large entry of seventeen aged cows, the winner was found in Rettie's well-known Artis Mink Mercedes, bred by G. W. Clemons, that has frequently figured in the prize-list at previous shows. She has model conformation and the indications of utility. Heicks' Favorit 7th received the next call; Hallman's Queen Hengerveld De Kol was third, and Macklin's Aggie Tenson fourth. Brown came to the front in three-year-old cows with Car Born De Kol, a sweet young cow, with fine dairy form and character. Rettie's Mercena 3rd was second, while Hallman came in third and fourth with two daughters of his champion bull. Rettie scored again in two-year-old and yearling heifers, both those in milk and out of milk, and for heifer calves under a year and under six months, all of them of good type and growth, although his second-prize yearling out of milk was preferred by some to the one given first honors. Brown was second and fourth for two-year-olds, second and third for yearlings in milk, fourth for heifer calves under one year, and third for younger heifer calves. Hallman won third for two-year-olds and yearlings out of milk, and also for heifer calves under a year. Macklin was fourth for yearlings in milk, and second for heifer calves under one year. Clemons won fifth on two-year-olds, and second for young heifer calves, while Heicks' was fourth in the same section. The open herd prizes went to Macklin, Rettie, Hallman and Brown, in the order named, while Rettie, Brown, Hallman and Clemons were the winners in the young herd section. Rettie secured the leading position also

for four animals, the progeny of one bull, bred by exhibitor, while Hallman was second and fourth, and Brown third. The sweepstakes for females went to Brown's three-year-old Car Born De Kol. The ribbons were handed out by H. Bollert, Cassel, and M. Richardson, Caledonia.

SHEEP.

The sheep department at the Toronto Exhibition is invariably well filled with animals that are the pick of the many fine flocks to be found in Ontario and Western Quebec, coming, many of them, fresh from victories at the Royal and other prominent English shows, to make their first appearance here in a Canadian show-ring. Exhibitors recognize that it takes quality and superior merit to win at such an exhibition as this, and so none but the best are brought here. Year by year the competition seems to get keener, and year by year the average of merit goes a notch higher.

Shropshires, Leicesters, Southdowns, Oxford Downs, Cotswolds, Lincolns and Dorsets all show an advance on previous displays, both in numbers and quality, the first two named showing the greatest improvement.

COTSWOLDS were well brought out by J. C. Ross, Jarvis, and Elgin F. Park, Burgessville, who competed together in every section, while P. W. Boynton, Dollar, contributed two aged rams, three ram lambs, and one ewe lamb, all well grown but not highly fitted, none of which figured in the prize-list. The class was judged by R. P. Snell, Snelgrove.

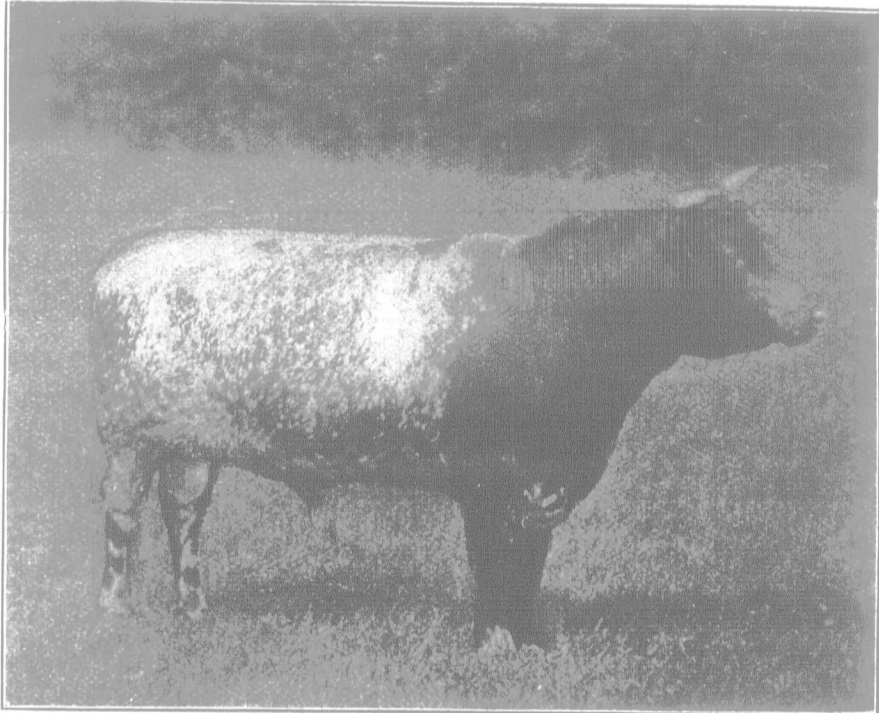
J. C. Ross was very strong, having among his string thirteen imported animals, some of them Royal winners, and all bred by Wm. Garne. In competing in sections for Canadian-bred stock he

silver medal for the best ram. Third prize for aged rams also went to a nicely-covered sheep, with a good head, showing quality, which girthed well, and was good on top. Mr. Park's third-prize shearling ram was also built on similar lines, while his second-prize ram lamb carried a nice fleece. Two two-shear ewes, both home-bred, of good type, were second and third, while a great topped shearling ewe and a well-grown ewe lamb, both bred by Mr. Park, were placed third respectively in their sections. This exhibitor was very strong in the pen prizes, winning first for pen of ram lamb and three ewe lambs, bred by exhibitor, second for open pen, first for Canadian-bred pen, and first for pen of four lambs of either sex, bred by exhibitor.

LINCOLNS.—In this class the competition lay between J. T. Gibson and A. H. Gibson, Denfield. As in former years, the sheep were well brought out, and would do credit to any show-ring. Among J. T. Gibson's lot were an aged imported ram that won first and sweepstakes at Chicago last year, an imported shearling that was beaten by one of the same exhibitor's home-bred stock, a ram lamb—the pick of the second-prize pen at the Royal, three imported two-shear ewes, and two imported ewe lambs, which were placed first and third, and which were also the pick of the second-prize pen of the Royal. The sweepstakes for rams was won by J. T. Gibson's home-bred shearling, and that for ewes by his imported aged ewe.

LEICESTERS.—Notably keen as is the competition in this class always, it was even stronger than usual this year. While J. M. Gardhouse, Highfield, was not out, his place was filled by Chas. F. Maw, Omagh. A. W. Smith, Maple Lodge, was undoubtedly strong. A striking feature of his flock was its

uniformity, the quality of the wool, being of a beautiful lustre and perfect curl, and the good covering of flesh. His first-prize aged ram was the champion ram at Chicago. The third-prize aged ram was hardly as well fitted as his mate, otherwise he might have stood higher. This ram, as well as all the flock present, with the exception of the first-prize two-shear ram, was the get of Stanley, who was bred by David Hume, Brechin, Scotland, and won first as a lamb at the Border Leicester Breeders' Club and Show, where type is rigidly demanded. Mr. Smith won first and second on home-bred shearling rams, beating an imported sheep of his from Mr. Jno. Twentyman's flock, which was fourth at the Royal this year—a sheep of excellent type, good wool, and well covered with flesh. His first-prize aged ewe was third at Chicago, here beating two that had stood above her there. Mr. Smith won seven first prizes, and



IMP. ROYAL ARCHER.

Two-year-old Shorthorn bull, included in the dispersion sale of the herd of John Bright, Myrtle, Ont., to take place at Whitby, October 14th, 1903. See advt. on page 867; Gossip on pages 870-871.

was at some disadvantage, having sold out very close before coming to the show. In aged rams he was second, as his ram did not show himself off well. For shearling rams he won first and second, the former being an imported animal of good quality, a nice fleece, particularly good leg of mutton, and who stood well on his feet, while his top was also excellent. The second-prize ram was home-bred, a good strong sheep, with lots of bone and a nice skin. A characteristic of this flock is the nice, even quality of wool they carry, while they also show breeding and character. An imported ram lamb, which carried off the red ribbon, was of the thick kind, girthing well and with nice soft wool. An imported ram lamb won third, while a home-bred one not in heavy flesh, but promising, came fourth. In aged ewes this flock won first with their single entry, a ewe that has never had to take second place in a showing, having won first and sweepstakes at Guelph as a lamb, and first here, and first and diploma at London last year. She is of the deep, square type, and has a beautiful head. Two grand imported shearling ewes, which were in the first-prize pen at the Royal this year, won first and second. While not differing much, the second-prize one had the best lower line and loin. Mr. Ross had a remarkably even lot of ewe lambs, four of which were imported, two being from the first-prize Royal pen this year. On these he won first, second and fourth. The flock won the sweepstakes for ewes, with the shearling first for open pen and second for Canadian-bred pen.

Elgin F. Park had, as usual, a nice lot of sheep forward, with grand tops and well-grown and well-wooled. In aged rams he won first with Swanwick 78, a blocky sheep, which also won the

two diplomas for best ram and best ewe. Hastings Bros., Crosshill, who exhibited here last year for the first time, won a share of the prize money. They had a nice exhibit, all home-bred except the aged ram, which was bred by John Kelly, and which was a first-prize winner here last year. This flock won third for a shearling ram of good character, while what was a better and thicker one was unplaced. In ewe lambs, Messrs. Hastings had the honor of leading the section with a capital March lamb, with an extra good hind end, fleece and back. Second prize for the special for best flock fell to these exhibitors. For a new exhibitor, competing in a strong class, C. F. Maw, Omagh, did remarkably well, showing a number of nicely-fitted and well-wooled sheep. Second on aged ram; first for ram lamb, one of his own breeding, a thick sheep hard to beat; second for aged ewe, which was bred by J. M. Gardhouse; third for shearling ewe, fourth for ewe lamb, and second for Canadian-bred pen, is a pretty good record for a beginner. Jno. Kelly showed sixteen head, all bred by himself. His sheep were very even in character, with a strong family likeness, and not overdone, but just right to go ahead in the hands of a purchaser. He had a grand aged ewe that only won third, though some good judges looked for her to be higher. Her heart-girth, front and top made her a very taking ewe. In lambs, Mr. Kelly had a nice lot, both rams and ewes, and he won the special for pen of lambs with four of these. He had some nice shearling ewes unplaced, but won second in the open pen.

SHROPSHIRES.—There was a really magnificent show of Shropshires, which were never seen to better advantage. In the section for ewe lambs, there were fifteen in the ring. These and

the shearing rams and ewes were the three strongest sections. In shearing rams, there were no less than six imported ones. The prizes were, to some extent, divided up, but John Campbell, Woodville, won the larger number of firsts, including four for pens bred by exhibitor and bred in Canada or America. While some lambs in this exhibit were the choice of the first-prize pen at this year's Royal Show, yet the home-bred lambs were placed above one of the English winners. The Fairview flock is thus maintaining its reputation of producing winners, both at this and American shows, having won no less than sixteen first prizes at this show, counting all the winners in pens, etc. The ewe lambs that won fourth and fifth prizes a year ago here were this year shown in excellent bloom. They were penned with imported English winners, but it required an expert to tell which was which, and, in the showing, the home-bred ones led the others. J. G. Hanmer's exhibit, good as it always is, comprised a splendid lot of sheep. A home-bred aged ram, weighing 300 lbs., and yet not a bit coarse, won third. His second-prize shearing ram was out of the first-prize pen at the Royal Show. He was bred by R. P. Cooper. Another of the same age, bred by Jno. Harding, deep, with good style and character, and having a good frame, was third. An extra well-proportioned ram lamb, square, well on his legs and nicely covered, was first in his section. He is by Lord Roberts 4th, the sweepstakes ram of last year, and out of a Minton ewe. A very typical home-bred aged ewe, with a beautiful head and skin, which won the sweepstakes offered by the American Association for best ewe, carried off the red ribbon in her class. Another in the same section was third. She was never beaten as a lamb, and is the mother of the third-prize ewe lamb—a pretty thing, sired by Lord Roberts 4th, which was placed above an imported ewe lamb bred by Harding, which was well grown.

Lloyd-Jones Bros., Burford, had a very nice lot of sheep of a good type, and, while not highly fitted, they made a very creditable exhibit, being blocky, short-legged, with good chests, pink skin, and well covered with wool. Prominent among them was the two-shear ram, Marauder, that attracted much attention last year. He is a brother of Dr. Davidson's ram that sired the famous lamb shown at Chicago in 1902. Marauder is short-legged, thick, with a grand chest and leg of mutton, and an irreproachable skin. He won second in his class to Alfred Tanner's imported ram. Among other animals worthy of mention are a nice two-year-old ewe, home-bred, and some good ewe and ram lambs, all the latter being the get of Marauder, who is proving himself an excellent sire. These exhibitors won fourth for flock and fourth for four lambs, both specials offered by the American Association. Alfred Tanner's first-prize shearing ram, which also won the sweepstakes for rams, is a grand sheep, with a wonderful fleece and excellent conformation, and good in the leg of mutton. He was sired by Lord Cardiff, a Royal winner, and his dam was also by a Royal winner, Phenomenon. This exhibit had also an unbeaten shearing ewe that won the sweepstakes for ewes, as well as a second shearing ewe and a ewe lamb that were unplaced, though of the right kind. These sheep were all brought out by Robt. Miller in this year's importation.

W. S. Carpenter, Simcoe, who, as a newcomer, did very well in 1902, was again out. His sheep were all home-bred, all the lambs being by the first-prize yearling ram of last year. While not winning largely, this flock made a most creditable exhibit, being very uniform in type, well covered, and with fleeces of the best. Mr. Carpenter was fourth with a ram lamb, and captured two thirds in the specials for flock and for four lambs.

OXFORD DOWNS.—In this class, two well-known exhibitors, H. Jull, Burford, and R. J. Hine, Dutton, were absent, although the latter had made a number of entries all through the sections. The competition, consequently, lay between Henry Arkell, Arkell, who has not been an exhibitor here since the year of the World's Fair, and J. W. Lee & Sons, Simcoe, new exhibitors here. This class was better filled than usual, and it is needless to say that the quality was fully maintained. The judge was Jno. Harcourt, St. Anne's.

Henry Arkell won the largest number of first prizes, having ten red ribbons in all, out of fourteen offered. His first-prize aged ram, bred by himself, was a well-covered sheep, with fine wool and good general appearance. Next was placed an imported sheep of a somewhat smaller size—a shearing ram sired by Hobbs' breeding, which also won the sweepstakes, which was a prizewinner in the other sections. The best sheep imported this year, two-year-old sheep came second and third, well covered, well covered. First for good lamb went to the full flock for the pick of the flock bred by Hobbs. The second-prize ram lamb, bred by Mr. J. W. Lee & Sons, was a twin, large, and as

like as two peas, home-bred, won first and second in the aged ewe section. Two imported shearing ewes did the same, the first-prize one, a good handling sheep of Hobbs' breeding, also winning the sweepstakes. She was larger than her companion, who, perhaps, showed more typical Oxford type. Three imported ewe lambs, the first and third being bred by Reading and the second by Albert Brassey, secured the three first positions in their class. The Farnham flock of Mr. Arkell has thus re-entered the showing with a brilliant record. It's a way he has when he tackles a job.

J. W. Lee & Sons commenced their show-yard career at Guelph last December, and, being encouraged by the success they met with there, determined to try their luck at Toronto, with by no means bad success in such strong company, their sheep competing against imported stock. They won third and fourth for two nice blocky ram lambs of good character; third for a nicely-topped, lengthy aged ewe with a good front; third for a shearing ewe of a very nice type, good on top, and with a well-wooled head; and fourth on a ewe lamb, thick and square, and even along the back. They also won first for pen of one ram and three ewe lambs, third for special for yearling rams, and third for special for yearling ewes, and first for pen of lambs, either sex.

HAMPSHIRE AND SUFFOLKS.—Suffolks were conspicuous by their absence, but there were several good Hampshires shown, John Kelly having eight, all of his own breeding, which made a creditable display, winning three firsts and two seconds; Robt. Miller two, an imported ram that won the sweepstakes, a capital sheep, and an especially good ewe lamb, also imported, that also won the sweepstakes for best ewe any age; while Telfer Bros., Paris, won second on a ram lamb and first on a shearing ewe, both of good breed type, and their own breeding.

SOUTH DOWNS.—What has been said about the general excellence of the Shropshire and other classes applies in its full strength to the South-down breed, which made a display hard to be excelled. Telfer Bros., Paris, were more than strong, having in their string of twenty-eight head a number of recently imported sheep that had made a reputation for themselves before leaving England. A grand shearing ram of Adeane's breeding that was reserve at the Royal won the first and championship here. Another red ribbon fell to this flock when their ram lamb, also of Adeane's breeding, and a second-prize winner at the Royal and first at the Bath and West of England Show, headed his section. A beautiful two-shear ewe, bred by Hon. G. A. Drummond, won first in her class, while in shearing ewes all three prizes went to Telfer. Of these, the first and second, two rare good ones, were from the King's Sandringham flock, while the third was home-bred. Two ewe lambs of Adeane's breeding, second-prize winner at the Royal and first at the Bath and West of England Show, won the red and blue tickets here. First for open pen, second for Canadian-bred pen, first for special for best shearing ewe, and second for ewe lamb and best four lambs went to Telfer Bros. Their home-bred stock was mostly by the Pagham Harbor ram, Chichester King, and in many cases were just as good as the imported ones.

Hon. Geo. A. Drummond, Pointe Claire, Que., whose flocks and herds are ably managed by Mr. Wm. H. Gibson, had a capitally-fitted exhibit out. In aged rams, he won second on a home-bred ram, whose sire was the champion ram at the Pan-American, while an imported ram which was bred by His Majesty the King, and was reserve at the Royal in 1902 and second at Chicago, probably the better sheep of the two, only came in third. A home-bred sheep won second in the shearing class, beating another good one in the same flock, while a home-bred ram lamb got 4th in his section. In aged ewes, the second- and third-prize sheep belonging to this flock were sired by the same ram as the first-prize one, owned by Telfer Bros. For ewe lamb, Drummond was third with a home-bred one. First for pen of ram lamb and three ewe lambs, bred by exhibitor, went to this flock. First for Canadian-bred pen, second for open pen, second for special for best aged ram, first for special for best shearing ram bred by exhibitor, second for best ram lamb, second for shearing ewe, and first for ewe lamb and four lambs, get of one ram, all to be bred by exhibitor, also were carried off by him.

John Jackson & Sons, Abingdon, had some good sheep, as at former shows, though their winnings were not as large as usual. They won first on an extra good aged ram, home-bred, that beat some imported sheep. He was second last year here, and is a grand style of sheep, with a heavy front, well up in the neck, girthing well through the heart, standing well on his legs, and showing good legs of mutton. Those breeders were third in his class with a good, lengthy, even, straight shearing ram that is out of a twin sister of the mother of their first-prize aged ram; third on a ram lamb, that afterwards won first honors in the American Association's special for ram lamb bred by exhibitor, came to them also. This ram is sired by a first-prize Royal winner, while his dam

was also second at the Royal. First for the American Association's special for best aged ram, and second for shearing ram also fell to Messrs. Jackson.

DORSETS.—Jno. A. McGillivray, Uxbridge; R. H. Harding, Thorndale, and A. G. H. Luxton, Milton West, were the three breeders who had entered Dorset Horned sheep, but only the first two named were in the prize lists. The competition was never better, and though some of the sheep were not heavily fitted, yet in every instance, the prizewinners were quite fleshy enough for all purposes.

We have never seen a better-brought-out or nicer bunch of sheep shown by Mr. McGillivray than those that his manager, F. Silversides, had out on this occasion. They were in good bloom, and not overdone. Among them were found the first- and third-prize aged ram, first- and second-prize shearing ram, first and third aged ewe, first shearing ewe and first ewe lamb, while sweepstakes for ewes was won by his shearing. This flock also won first for open pen. The sweepstakes ewe has a grand back and loin. The ewe lamb that won first was dropped on March 25th.

R. H. Harding showed sheep all bred by himself, and well brought out. He had a magnificent ram lamb, with a great front, blocky and smooth, with typical head and loins, wool and skin. He won first place with him, and he was also quite good enough to win the sweepstakes over the older rams. Mr. Harding's aged ram came in second in his section; a shearing ram took third, while a shearing ewe, never beaten before, and of nice breed type, won second. Third on aged ewes, and second and third on ewe lambs, a nice level pair; first on pen of ram lambs, and third on ewe lambs, second on open pen, and first on Canadian-bred pen, went to this exhibitor's flock, all his sheep showing care in fitting, and being good representatives of the breed.

FAT SHEEP.—The entries were larger here than usual. In yearling long-wooled wethers, Hastings Bros., Crosshill, were first and J. T. Gibson second and third. John Kelly won first for long-wooled wethers under one year, and Whitelaw Bros. second. The short-wooled sections were well filled. Hon. Geo. A. Drummond headed the section for yearling wethers, and was also second with a sheep that won the sweepstakes at Chicago last year. Telfer Bros. were third. Drummond was also winner of the red ribbon for wethers under a year, while John Campbell was second and third.

SHEEP SHEARING.—W. H. Beattie, Wilton Grove, was first here; W. Butler, second, and F. Silversides third. While the first was rightly placed, it was thought by many that Silversides' work was better and even than Butler's.

SWINE.

While in respect to quality the exhibit of swine was quite as good, and in number as strong as usual, it is passing strange, considering the importance of the bacon industry, the active demand and steady run of good prices prevailing for hogs, and a considerably improved prize-list, that there were less than three hundred entries all told at the Dominion Exhibition, and but two to five exhibitors in any of the classes. Comparing this showing with that of some of the State fairs on the other side of the line, where the entries of hogs run into thousands, one is led to wonder whether our farmers fully appreciate the importance of the business as a factor in our agricultural prosperity. There is certainly room for improvement, and for a better representation of this great industry at the leading shows in this country, for no matter how enterprising they may be, two or three breeder's can adequately represent the best possibilities of any of the breeds. If it is a question of money, the prize offerings not being sufficiently tempting, some means should be devised to provide the necessary inducement, but apart from the question of prizes these fairs should furnish a good market for the sale of approved breeding stock.

WILTSHIRES.—This grand breed, which is now in the era of popularity, was well represented in quality of the exhibits, but was somewhat less in number than the catalogue shows less than 100 entries, outside of those of herds and animals which were made up of the same breed, and competed in the other sections of the show. A better representation must be regarded as being made in numbers.

The Summerhill herd of Messrs. D. C. Gibson & Sons, Millgrove, Ont., as usual made a grand showing, numbering over twenty head, and of a good character and quality, true to type, strong, healthy, vigorous selection, and out of the twelve first prizes offered, they won the second prize, also the sweepstakes medals for the best boar and the best sow of the breed, any age, and the first and

FARM.

Good Roads Convention.

The Western Ontario Good Roads Association held its first annual meeting in the Administration Building during the recent Dominion Exhibition in Toronto. Mr. James Graham, of Lindsay, presided, and Mr. E. Kendrick described how the County of Wentworth was taking advantage of the Highways Improvement Act and establishing a good system of county roads, in spite of many difficulties.

Mr. A. W. Campbell, Good Roads Commissioner for the Province, favored the commuting of statute labor so that there might be better roads and less waste of money. He spoke of the natural objection of township councils to handing over the roads to the county councils. Judging by the outcry raised against the latter in some counties, he wondered how the county councillors were elected. He wanted to see the responsibility of councillors for good roads increased. Regarding the material used for bridge construction, he enthused the meeting with his denunciation of the present extravagant methods of using timber that would rot out in a few years, instead of steel and concrete, that would last practically forever.

Mr. James Sheppard, of Queenston, put forward two proposals, that expert instruction in road-making should be given by the Government, and that the association should take steps to have every county council urged by someone in particular to support the association.

Hon. E. J. Davis, who was present, pointed out that under modern competition in transportation, country roads as well as railways must be improved. The million dollars set aside by the Ontario Government for good roads was meant to be spent, and not for ornament.

Officers were chosen as follows: President, James Graham, Lindsay; Secretary-Treasurer, Lieut.-Col. Farewell, K.C., Whitby. Executive Committee—P. G. Van Vleet, A. W. Campbell, the President and Secretary. Legislation Committee, county representatives—Essex, R. R. Brett, Essex; Wentworth, E. Kendrick, Ancaster; Welland, Warden Norval Hagger; Victoria, Dr. J. W. Wood, Kirkfield; York, J. D. Evans, Islington; Ontario, Peter Christie, Manchester; Simcoe, Daniel Quinlan, Barrie; Oxford, S. R. Wallace, Burgessville; Bruce, Warden Robt. Watt, Warton; Perth, Luther F. W. Turner, Fullerton; Waterloo, John A. McDonald, Branchton.

Traction Engines on Public Highways.

The recent killing of two men in the Township of Mosa, Ont., through a traction engine which they were running going through a bridge, recalls attention to the Ontario statutes relating to this subject.

The municipal council of every municipality has jurisdiction over the original allowances for roads, highways and bridges within the municipality, and the general rule is that every public road, street, bridge and highway shall be kept in repair by the corporation, and on default of the corporation so to keep in repair, the corporation, besides being subject to any punishment provided by law, shall be civilly responsible for all damages sustained by any person by reason of such default, provided the action for same be brought within a specified time and certain formalities of procedure be duly observed. But to this general rule there are exceptions, one of which has reference to the running of traction engines upon the public highways. Chapter 242, R.S.O., 1897, enacts that it shall be lawful for any person to employ traction engines for the conveyance of freight and passengers or either over any public highway in this Province, subject, however, to the observance of certain conditions which may be summarized as follows: Weight of engine must not exceed 20 tons; speed must not exceed 6 miles an hour at any time, and in cities, towns and incorporated villages the limit of speed is 3 miles an hour; the driving wheels must be at least 12 inches in width; all the general rules and regulations provided for ordinary vehicular traffic are made applicable to traction engines; in cities and towns the approach of an engine must be signalled in a certain way; traction engines may be excluded from certain streets in cities and towns, but not so as to entirely prevent their passage through the municipality; the person proposing to run a traction engine over any highway whereon tolls are not levied must first strengthen, at his own expense, all bridges and culverts to be crossed and must keep same in repair so long as he so uses the highway, but if tolls are levied on the traffic over the highway which it is proposed to use, then 2 months' previous notice in writing must be given the toll company, which may thereupon, after receiving security to the amount of the cost of the required improvements, cause all bridges and culverts upon the road to be so strengthened as, in the opinion of the county engineer, to render same safe for the passing of the

second sweepstakes awards for pens of four pure-bred export bacon hogs, and for the best four hogs of any breed, cross or grade, most suitable for export bacon; the first time, it is claimed, that this record has been made by one exhibitor here. This should certainly be regarded as glory enough for one man for once, if not for a lifetime, but it should not be a possible achievement, and would not if the breeders of Yorkshires more generally would prepare their stock and enter the list for competition.

Individual mention of the winners would take too much space, and we can only notice briefly the great stock boar, Imp. Duke of York, winner in the two-year-old section, a model of the breed, strong, smooth, even and active, bred by Mr. Armitage. The sweepstakes silver-medal boar, Summerhill Reformer, was bred by Messrs. Flatt, and is of excellent type, lengthy, even, smooth, and of fine quality, while the first-prize aged sow and yearling sow are splendid types of the breed; while in every section of the class their exhibits were uniformly good, and their bacon-class winners were considered the best ever shown at Toronto.

R. F. Duck & Son, Port Credit, also made an excellent showing from their herd, winning first in the yearling boar class with Lakeview Billy, a boar of their own breeding, that fills the bill for a first-class representative of the breed, standing on the best of legs and feet, and having all the quality and trueness of type one could wish for. He was the strongest competitor for the sweepstakes, and it was thought by the ring-side talent that no injustice would have been done had he been decorated with that honor. The splendid two-year-old sow shown by this firm winning third award, was not in her best show condition, having the heavy charge of nursing a round dozen youngsters of the litter of seventeen she produced, fourteen of which are still living. This family so attracted the attention of Dr. Oronhyatekha, Chief of the Independent Order of Foresters, that he purchased the outfit for his fine farm at Deseronto, together with the grand aged boar which won for Messrs. Duck first prize in his class at Toronto last year, one of the best of the breed ever shown in this country. They were also third for sows under a year, and under six months; third for herd of a boar and two sows, and for bacon hogs, in both classes with pigs of excellent type and quality, while if his barrow pigs had not been ruled out, a ruling the justice of which is questionable, he might have scored higher. Jos. Featherston & Son, Streetsville, the only other exhibitor, had a few entries in the younger sections, and secured third prizes for pigs under six months, in both boars and sows, and for yearling sow.

BERKSHIRES.—This class was, as usual, well filled in every section by excellent specimens of the improved and up-to-date type, showing strength of constitution and bone, and quality of flesh in high degree, together with good size, smoothness and breed type. The principal exhibitors were William Wilson, Snelgrove, and W. H. Durham, East Toronto. Wilson, who captured twelve of the prizes, was particularly strong in boars, winning first in three out of the four sections, with high-class animals, measuring well up to the standard of the best of the breed. He was also first in both sections for four pigs, the get of one sire and the produce of one sow, with splendid young stock, and first for boar and sow under six months, besides winning four of the second awards. Mr. Durham was particularly strong in the older sows, winning first in three sections straight with grand animals, especially the yearling and under a year classes. His first-prize and sweepstakes sow, Premier Queen, recently purchased from Snell & Lyons, Snelgrove, and which won first in her class for them at the Winter Fair at Guelph last year, is a magnificent specimen of the breed: large, lengthy, deep-sided, smooth-shouldered, well-packed along her back with the best quality of flesh, and standing well on the best of bone, she is a model to go by in breeding Berkshires, while her pen-mate, the second-prize sow in the same section, also purchased from Snell & Lyons, has nearly all the same good qualities, though a size or two smaller, and yet large enough. Durham had also the first aged and sweepstakes boar, Crown Prince, bred by Teasdale, and bought from the same firm, is a grand hog, of true breed type, strong and vigorous, yet smooth and well-filled in all parts. These three made an invincible combination in the competition for the herd prize of a boar and two sows, winning hands down, and seldom has a better trio won the trophy here.

Thos. Teasdale, Concord, was second for sow under six months and for four pigs under six months, the get of one sire, and for four the produce of one sow, with an excellent class of young stock, and T. A. Cox, Brantford, who had a few really good things out, won second for yearling sow.

The class was judged by R. H. Harding, Thos. Teasdale, and H. G. Clark, Norval.

THE WORTHIES were well shown by D. Douglas & Son, Mitchell; Colwill Bros., Newcastle, and R. J. Peers, Elmbank. The first-named firm se-

cured the majority of the first prizes, including the sweepstakes for best sow any age. Colwill Bros. had the first-prize aged boar and male champion of the breed, in their noted stock boar, Colwill's Choice, and won first for four pigs under six months, the progeny of one sire, and also first for four pigs the produce of one sow, and first for boar under six months. Douglas & Sons were first and second for yearling boar, boar under a year, aged sow, yearling sow, sow under a year, sow under six months, and first and third for best boar and two sows.

CHESTER WHITES made a very good showing, most of the entries being lengthy, smooth pigs, of good quality of flesh and bone. The exhibitors were W. E. Wright, Glanworth; D. DeCourcy, Bornholm, and R. H. Harding, Thornedale. Wright was first for two-year-old boar, boar under a year, aged sow, sow under six months, and sweepstakes for best sow any age, also second for yearling sow, sow under six months, and herd of a boar and two sows. DeCourcy won first for yearling boar, boar under six months, yearling sow, sow under six months, boar and two sows, four pigs get of one boar, and four the produce of one sow. Harding was second for yearling boar, boar under six months, sow over two years, for four pigs by one sire, and for four the produce of one sow. Robert Vance, Ida, was the judge.

DUROC-JERSEYS were shown by W. M. Smith, Scotland, and J. C. Smith, Fairfield Plains, between whom the prizes were divided, the first-named securing the majority of first awards.

OTHER DISTINCT BREEDS, including Poland-Chinas and Essex, were exhibited by Joseph Featherston & Son, Streetsville, who showed Essex, and W. M. Smith, Scotland, who showed Poland-Chinas, the prizes being divided between them, the Essex securing the majority of first prizes in the sections, the Poland-Chinas the male sweepstakes, and the Essex the female sweepstakes and herd prizes.

EXPORT BACON HOGS.—The exhibits in this class were generally acknowledged to have been the best ever shown at Toronto. They were judged by farmers and breeders, and never with better satisfaction to all concerned, the awarding committee being composed of Thos. Teasdale, a Berkshire breeder; F. R. Shore, a Tamworth breeder, and R. J. Garbutt, a Yorkshire breeder. The pigs were a good, even, well-finished lot, showing good bacon type, and were strong, vigorous animals. The awards for the best pen of four pure-bred hogs most suitable for export bacon went first and second to D. C. Flatt & Son, Millgrove, for Yorkshires; third to R. F. Duck & Son, Port Credit, for Yorkshires; fourth to W. H. Durham, East Toronto, for Berkshires; fifth to R. F. Duck & Son, for Yorkshires. The sweepstakes awards for the best four bacon hogs, any breed, cross or grade, went to the same, in the same order.

THE STOCK-JUDGING COMPETITION.

The interest in the Massey-Harris stock-judging competition at the Industrial this year was well maintained, and the work done by the competitors showed considerable improvement over former years. Professor Cumming, of the Ontario Agricultural College, Guelph, had charge of the contest, and the examiners were A. C. Hallman, in dairy cattle and hogs; A. W. Smith, in beef cattle and sheep, and J. A. Boag, in horses. The competition consisted in placing two classes of bacon hogs—Yorkshires and Tamworths; two classes of sheep—long- and short-wools; two classes of beef cattle—Aberdeen-Angus and Hereford cows; two classes of dairy cattle and one class of horses. The successful competitors in bacon hogs were: First, J. I. Bray, Kleinburg; second, R. E. Gunn, Beaverton; third, C. M. MacRae, O. A. C., Guelph; fourth, C. I. Bailey, O. A. C., Guelph. In sheep—First, J. A. Telfer, Paris; second, J. Gunn, Maple Lodge; third, H. S. Arkell, Teeswater; fourth, R. E. Gunn, Beaverton. In beef cattle—First, J. Miller, Balsam; second, A. G. Crawford, Oro Station; third, R. H. Mayberry, Ingersoll; fourth, T. R. Amos, Moffat. In dairy cattle—First, C. I. Bray, Kleinburg; second, C. I. Bailey, O. A. C., Guelph; third, R. K. Monkman, O. A. C., Guelph; fourth, H. N. Le Drew, O. A. C., Guelph. In horses—First, A. S. Gardhouse, Highfield; second, I. W. Blain, Gifford; third, A. G. Crawford, Oro Station; fourth, C. M. MacRae, O. A. C., Guelph.

Premiums and Free Sample Copies.

If our readers will send us on a post-card a few names and P. O. addresses of persons in their localities who are not subscribers to the "Farmer's Advocate," we will forward them a sample copy so that they can judge of its excellence.

On pages 864 and 879 of this issue will be found our announcement of premiums which may be obtained by sending us new subscribers. Great care has been exercised in the selection of the splendid articles described, and they will well repay the little effort required to obtain them.

engine, and in the default of the company so doing, the owner of the engine may make the necessary improvements, and provision is made as to fixing the amount of toll to be levied, etc. A penalty is provided for any contravention of the Act.

It would seem, therefore, that any person proposing to drive a traction engine along a highway where bridges and culverts will have to be crossed must assume the responsibility of strengthening such bridges and culverts so as to render them reasonably capable of sustaining the weight of the engine, and in default of his so doing, he would be liable to the penalty provided by the Act, and probably also to compensate the municipality, or road company, for all damages that it might have sustained by reason of such default on his part.

Rural Mail Delivery Popular.

Hon. S. B. Daboll, special agent for the post-office department in Michigan, is constantly investigating the rural free delivery and planning new routes. He states that the increase in the post-office business in the districts where there is rural delivery is three times as great as under the old system. This branch of the service was established here in 1899, and in the eighth district from one route the number has increased to 155. It is estimated that each route serves 500 persons, and therefore a vast army have their mail carried daily to their homes. The banner route is at Owosso, where 17,000 pieces were delivered by the carrier in a month. The routes from Saginaw average 8,000 pieces, one carrier having 263 boxes to visit, about double the usual number. Mr. Daboll says: "The advantages of rural delivery, beyond its direct influence for good upon the farmer and his family, are the great increase of the postal business and the saving effected by the discontinuance of the 4th class offices, which will eventually make the service self-sustaining."

U. S. Agriculture.

Henry Clews, the great New York financial expert, sums up the U. S. autumn situation as follows:

"The agricultural situation promises to carry the country safely beyond any crisis. The farmer, whether he grows cotton, corn, wheat, hay, oats, live stock or dairy produce, is sure of profitable prices for his output. Apparently this is not to be a year of big crops, but our agricultural products are not increasing as rapidly as the demand for them, the consequence being high prices and good profits to the farmer. Very likely combines and speculation have enhanced costs of meat and cotton, but they could not have done this were it not for the gradual overtaking of supply by demand, the effects of which they simply exaggerated for their own financial advantage. It is many years since the American farmer enjoyed such prosperity as he is having today, and there is every prospect of his having another year of the same sort. This means much for general business."

Wheat Rates Reduced.

For ten cents per hundred pounds, or six cents per bushel, wheat is now carried from Winnipeg to Port Arthur over the Canadian Northern Railway, fixed by Order-in-Council of the Provincial Government. An equal reduction in rates went into effect on September 1st at all other points on the Canadian Northern in Manitoba. This makes a total reduction in rates on grain of four cents per hundred within three years.

DAIRY.

Effect of Salt on Color.

Prof. G. L. McKay, of Iowa, illustrates this point as follows:

"If you were to take three samples of butter from the same churning, add no artificial coloring, salt the one lot a half ounce, the second an ounce, and the third one and one-half ounces, the third lot will be higher in color than the first lot."

This shows the importance of considering the amount of color to be used in connection with the amount of salt per pound.

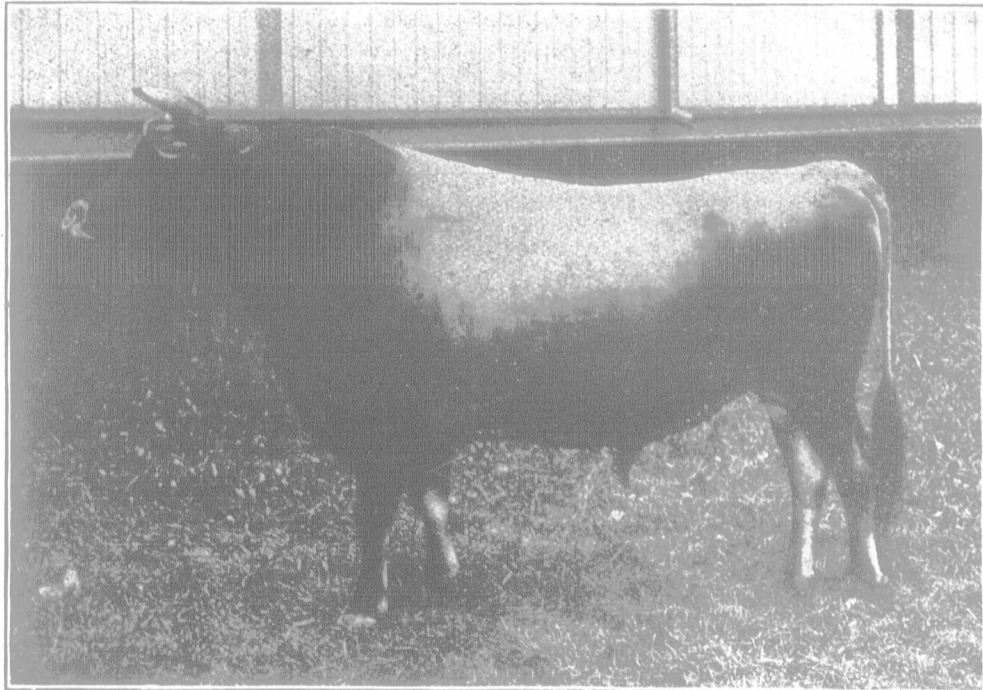
Maturer Cheese.

The Investors' Review, of London, Eng., says: "Canadian cheese is undoubtedly the most popular cheese imported, and if the shippers would send nothing but mature cheese the extraordinary difference that now exists between English and Canadian cheddar would quickly grow small." The strength of the demand is what withdraws the cheese so rapidly from the curing-rooms of the Canadian factories. Factorymen and salesmen cannot be expected to hold cheese, whatever may be the price, for long periods.

The New Dairy Text-book.

"Canadian Dairying" is the title of the latest addition to the dairy literature of the day. Its author is Prof. H. H. Dean, widely and favorably known as the efficient head of the dairy department at the Ontario Agricultural College, Guelph. The work has been long needed, and we bespeak for it a favorable reception. For the use of agricultural students and dairymen in this quarter of the world, it certainly has no equal, though not as elaborate as J. P. Sheldon's ponderous old volume, used largely on British and European practice, which is out-of-date in many respects, nor as technical as Aikman and Wright's translation of Fleischmann's fine German treatise. Prof. Dean is what might be regarded as a conservative investigator, which has given permanent value to his work, and the success of his students at the O. A. C. Dairy School in the actual operations of butter and cheese making or as educators in other institutions of like character, affords the best sort of evidence of his efficiency as a teacher. We notice, as an innovation, Prof. Dean designates cheese factories as "cheeseries," but, though shorter, we surmise that it will not displace the old term in dairy nomenclature. The book is very convenient in size, and the following list of contents will give a good idea of the ground covered:

Part I.—Farm Dairying—Dairy Farming; Dairy Stables; Dairy Cows and Management of the Dairy Herd; Feeding Dairy Cows; Secretion of Milk—Milking Cows; Composition and Physical



BLUE BLOOD 52898.

First-prize Jersey bull over three years, and male champion of the breed, at the Dominion Exhibition, Toronto, 1913.

OWNED AND EXHIBITED BY B. H. BULL & SON, BRAMPTON, ONTARIO.

Properties of Milk; Testing Milk; Caring for Milk on the Farm; The Farm Dairy; Creamery Milk at the Farm; Ripening and Churning Cream—Marketing Dairy Butter; Skim Milk, Buttermilk and Whey; Farm Dairy Cheese; Town and City Milk and Cream Trade.

Part II.—Co-operative Dairying—Origin and Advantages of Co-operative Dairying; Establishing and Managing Creameries and Cheeseries; Buildings and Machinery for Co-operative Factories; Methods for Paying Patrons; Canadian Cheddar Cheese Making; Special and Fancy Cheese; Pasteurizers and the Pasteurization of Milk and Cream for Buttermaking; Buttermaking in the Creamery; Marketing Cheese and Butter; Condensed Milk; Appendix, Containing Useful Tables of Reference for Dairymen, also Creamery and Cheese Factory Plans.

The book is published in neat cloth binding at \$1.00, by William Briggs, of the Methodist Book Room, Toronto.

Mr. J. W. Hart, who has done good service as Superintendent of the Kingston, Ont., Dairy School, takes a position in the Dairy Department of the State College of Agriculture at Urbana, Ill.

The best teaching is done through the eye. No paper for the farmer published in Canada, or any other country, contains such a wealth of instructive and attractive engravings as the "Farmer's Advocate." You enjoy them. So would others. Then extend its circulation.

The Dairy Department of the Dominion Fair.

"KNOWLEDGE grounded on ACCURACY aided by LABOR and prompted by PERSEVERANCE will eventually overcome all difficulties."

Over the door of the demonstrating-room in the Women's Building was noticed the above motto, and it might also have been placed over the door of the working dairy in the Dairy Building, for the work of the competitors for the prizes offered for buttermaking showed system and rapidity through practice. In fact, so quickly and deftly was the work accomplished that the average onlooker took it for granted that the one who would complete the work in the shortest time would be the winner. Some of the competitors have certainly learned the twentieth-century lesson on "How to gain time," and many who watched them learned much that would be of value to them in their everyday work. The care bestowed on the cream, the manner of making the butter from start to finish, and the butter made—these things are all taken into consideration and scored by those in charge.

The first section, or what is called the "professional" class, is open to students or ex-students of a dairy school or agricultural college, or makers in a creamery. There were six contestants in this class, and the prizes were awarded as follows: 1st, Miss M. Hunter, Rockton, Ont.; 2nd, Miss M. Green, Loyal, Ont.; 3rd, Miss H. McAllister, Coventry, Ont.; 4th, Mr. R. Playner, Owen Sound, Ont.

In section two, or what is called the "non-professional" or farm-dairy class, five competed, with the following results: 1st, M. Stonehouse, Port Perry; 2nd, Miss Mabel Parkinson, Jarvis; 3rd, Miss Maud Parkinson, Jarvis; 4th, C. E. Rodgers, Dorchester.

Section three is the "free-for-all" for the non-professionals, the prizes being taken by: 1st, W. B. Cockburn, Hamilton; 2nd, Miss Maud Parkinson, Jarvis; 3rd, Miss Janet Stewart, Hampstead; 4th, Miss Mabel Parkinson, Jarvis.

Section four, the "free-for-all" for the professionals, resulted in the following: 1st, Miss Green, Loyal, Ont.; 2nd, Miss Hunter, Rockton, Ont.; 3rd, Miss McAllister, Coventry, Ont.; 4th, Miss Wolfe, Hespeler, Ont., and Mr. Burns, New Brunswick.

Prof. Dean, of the O. A. C., Guelph, acted as judge of the non-professional classes, and Mr. J. A. McFeters, of Guelph, one of the dairy instructors for Ontario, judged the professionals.

These competitions are one of the educational features of the fair, and greater interest is taken in them each year.

The splendid addition to the dairy building has seating capacity for 1,200, and has been built especially for this work. It is circular in shape, with seats placed tier above tier, thus affording an equal chance for all present to view the work being carried on in the ring. This amphitheatre was crowded at all times with interested and enthusiastic spectators, who came not only to be benefited by what they saw, but also by what they heard. Besides the demonstrations of the work which were made by the prizes in charge, each afternoon an address was delivered by one of the leading agriculturists or dairymen of the Province. The programme of addresses was as follows:

Wednesday, September 2nd—"The system of Factory Instruction in Eastern Ontario," by Mr. Pablow.

Thursday, Sept. 3rd—"The products of cheese and butter at the Dominion Exhibition," by Mr. Ruddick.

Friday, Sept. 4th—"The system of Factory Instruction in Western Ontario," by Mr. Barr.

Saturday, Sept. 5th—"The Dairy Industry of Canada," by Prof. Dean.

Monday, Sept. 7th—"What the O. A. C. is doing for dairying and the dairy farmer," by Dr. Mills.

Tuesday, Sept. 8th—"How Eastern Ontario is

maintaining the reputation for Fancy Canadian Cheese," by Mr. Derbyshire.

Wednesday, Sept. 9th—"What the Ontario Provincial Department of Agriculture is doing and going to do for Ontario Dairying," by Hon. John Dryden.

Thursday, Sept. 10th—"Address by Mr. C. C. James."

Friday, Sept. 11th—"The manufacturers' side of co-operative dairying," by Messrs. Connelly and Paget.

A demonstration in cheesemaking was given each day in the dairy building, and it is expected that next year a model creamery plant will be in operation, which certainly should be there.

The largest and best exhibit of cheese ever made in the Dominion was seen at Toronto this year, and Mr. Thos. J. Dillon, the efficient Superintendent of the Dairy Building, had large cards printed and hung throughout the building, with the statement that since May the exports of Canadian cheese have averaged \$1,000,000 a week.

The exhibit of butter was good, yet comparing Canadian export butter with that of her competitors there is much "room for improvement." It was noticed that some of the best of the prizes for butter went to Quebec, and this should be a stimulus to the makers of Ontario.

The improved system of dairy instruction now in operation in both Eastern and Western Ontario has already resulted in greater uniformity and an improvement of quality, which speaks well for the cheese and butter business of the future.

The Dominion Department of Agriculture made an exhibit that was of great interest not only to the cheesemakers of the country, but to the patrons of the factories as well.

The exhibit consisted of cheese cured in ordinary and cool-curing rooms, also of cheese waxed and unwaxed. The following figures speak for themselves:

Relative shrinkage of cheese made from the same milk—waxed and unwaxed—and cured at the same temperature:

	Waxed.		Unwaxed.	
	lbs.	ozs.	lbs.	ozs.
Green weight, July 25th ..	84	4	84	2
Weight, Aug. 1st	84	0	83	14
After waxing, Aug. 1st.....	84	6
Weight, Aug. 28th	84	2	82	12
Loss of weight.....	2	1	6	

Relative shrinkage of cheese made from the same milk, and cured at different temperatures:

	Curing temperature		58°	
	60° to 80° F. (Cool cured)		lbs.	ozs.
Green weight, July 8th.....	85	1	84	9
Weight, July 21st	83	12	84	4
Weight, Aug. 26th	82	...	83	8
Loss of weight.....	3	1	1	1

This exhibit was looked after by Mr. A. W. Woodard, of Montreal, Official Referee for the Dept. of Agriculture, who was able to give the latest and best ideas on cool-curing to all inquirers.

Exhibits of condensed milk and evaporated cream proved an interesting feature, as this is a comparatively new industry in Ontario, yet one that is making progress.

Eleven cream separator companies made splendid displays, and thus afforded the farmer an excellent opportunity for seeing and settling for himself, if possible, the great question "Which is the best hand cream separator?"

There was another thing which delighted all interested along dairy lines, and that was the new book on "Canadian Dairying," by Prof. H. H. Dean, of the Ontario Agricultural College. It seemed a fitting complement to the dairy department of the great Dominion Fair, as it is the first Canadian text-book on dairying, and a copy of it was carried home by many as a valuable souvenir of the fair that was "Made in Canada."

Hon. Geo. W. Ross, Premier of Ontario, presented the successful competitors in the butter-making competitions with the prizes won. He congratulated the dairymen and the Exhibition Association on what had been achieved. Mayor Upphart, of Toronto, who spoke briefly, said the credit of the new dairy building was due to the Ontario Government. They had contributed \$10,000 of the \$15,000 it had cost.

All that is usually needed to convince a man of the superior merits of the Farmer's Advocate is to show him a copy for careful perusal. Send for a couple of sample copies for that purpose, and you will soon be able to send us his subscription.

A wooden wedding is celebrated on the fifth anniversary, isn't it?"

Well, some girls marry such blockheads that they might properly begin celebrating right away."

GARDEN AND ORCHARD.

Fruit at Toronto Exhibition.

The report of the excellent exhibit of fruit at the recent Dominion Exhibition at Toronto has been crowded out of this issue, but will appear in our October 1st issue.

Canadian Horticulturists.

At a meeting of the Canadian Horticultural Association, held during the Toronto Fair, officers were elected as follows: President, E. Mepstead, Ottawa; First Vice-President, G. Robinson, Montreal; Second Vice-President, E. Suckling, Truro, N.S.; Treasurer, H. Simmons, Toronto; Secretary, A. H. Ewing, Woodstock. Executive Committee—W. Gammage, London; J. H. Dunlop, Toronto; W. R. Wright, Ottawa. The retiring president, Thos. Manton, was presented with a roll-top desk. The next place of meeting will be Ottawa.

POULTRY.

Poultry at the Dominion Industrial Exhibition, Toronto, 1903.

The exhibit of poultry at Toronto this year was, on the whole, equal to former years. Some of the breeds were well represented, others were lacking both in number and quality. The utility breeds, such as Plymouth Rocks and Wyandottes, were largely represented, and of excellent quality. The Leghorn classes were also well filled, there being some 68 entries in Brown, and about the same number in White. In White Wyandottes the number of birds shown exceeded former years, and the quality excellent. The Barred Rocks were very fine. The turkeys were not numerous, but some very fine specimens of the breed, both Bronze, Black and White, were shown. The water fowl were very good, and the entries about the same as last year. The Bantam classes were very numerous, but we cannot see why the same amount of prize money should be given to a bird weighing say two pounds as to a gobbler weighing forty pounds. In the eyes of a farmer, at least, the one is of far more value than the other, but perhaps the small birds often bring as much as the big ones, and their owners think as much of them. The prize money seems to fall into the hands of a very few of the professional breeders—such men as McNeil, Bogue, Colwell, Oke and others. There should be a list for amateurs as well as professionals, and encourage farmers and other non-professionals to exhibit their best birds. There were

GREAT COMPLAINTS MADE

by the breeders about the length of time the birds had to be kept cooped up in such small pens. The best of the birds suffer from the long confinement, and especially the young ones, and some of the leading breeders refused to send their best birds unless the time was reduced to one week instead of two. There is certainly great room for improvement in a great many things, and as our poultry interests have now assumed such large dimensions, and such a demand for our fattened products in England, and also at home in Canada, more attention should be paid and more remunerative prizes given to the utility breeds, and less to the fancy or non-utility classes.

In the turkey classes, Messrs. Bell, Beattie and Ford had some very fine birds. Ford & Sons had the finest young birds we have ever seen so early in the season. Bell, of Angus, had a cock and hen which deservedly got the diploma for the best birds in the show. Beattie, of Wilton Grove, had, as usual, some fine specimens of White Holland turkeys. In geese and ducks, Messrs. Colwell and Bogue carried off the bulk of the prizes. In A.O.V. ducks and Chinese geese, A. G. H. Luxton, Milton, carried off several prizes.

The Light Brahma class was well represented by Messrs. Walker, Guelph; Geo. N. Tossey, of Hamilton; Rev. Thos. Geoghegan and Cameron, of Brantford; and the Dark by L. C. Sage, London, who carried off the bulk of the prizes.

The Buff Cochins class was well represented by Hugh Wyatt, London; A. W. Bell, Toronto; and Holmhurst P. Yds., Whitby. Partridge Cochins were very fine. R. Oke, London, and W. H. Murray, Strathroy, carried off the ribbons. Black Cochins were represented by W. H. Murray, who had the bulk of the prizes. Robt. McCurry, London, had the best Black Langshans. W. I. Glesson, London, and S. D. Furniger, St. Catharines, had also some good ones.

White Wyandottes were an excellent class, and Messrs. L. H. Baldwin, Toronto; W. H. Brierly, Guelph; Wm. Blain, Dovercourt, and H. F. Kettlewell, London, were the prizewinners. In Black and Buff Wyandottes, Oke, London; Gabel, Listowel; and Bogue, Strathroy, in the former; and Murray, Strathroy, and Jas. Dundas, Deer Park, in the latter, were the prizewinners. The Silver

and Golden Wyandottes were few in number, but good in quality. In the former Messrs. Grinnel, Scarboro Junction; Bogue, Strathroy; W. Ray, London; and Readwin, Guelph; and in the latter Elmwood Poultry Yards, and Carrol, London, were the prizetakers.

Buff Orpingtons numbered 54, and seem to be a very good, useful fowl. Messrs. Kerr, E. Toronto; Newton Cosh, London; C. I. Daniel & Son, Toronto; and Hugh A. Scott, were the successful exhibitors. A.O.V. Orpingtons, Daniel & Son, Toronto.

A very small class of Black Spanish, but some very good birds, were shown by Bogue, Strathroy, and Henderson & Billings, St. Mary's.

White and Colored Dorkings were shown by A. Bogue, Woodbank, and John McKee & Co., Norwich, who got nearly all the prizes.

The Indian Game class was very good, and fine specimens were shown by J. W. Nixon, J. A. Carroll, and John Modlin, of Hamilton.

Newton Cosh & Co. and J. W. Dixon, Toronto, had the best Andalusians. In the Hamburg classes McNeil & Oke got the most of the prizes.

Messrs. Bogue and G. W. Kidner, Strathroy, got the ribbons for the best Red Caps. In Black Minorcas, I. H. Munstall, R. Duston and Henry Dunne got the prizes.

In White P. Rocks some very fine birds were shown by F. A. Andrews, London; Chas. Jamieson, Toronto; Thos. Rice, Whitby; W. H. Bessey, Coleman; and J. G. N. Kennedy, of Agincourt. Willard Dundas and Newton Cosh, London, had some very fine B. P. Rocks; and in Buff, G. A. Johnson, Ingersoll; C. I. Daniel & Sons, Toronto, and A. B. Willard, London, had the finest specimens.

The White Leghorns were the largest class in the exhibition, and the prizes went to E. Buillar, Dundas; Thos. Rice, Whitby; F. Walls, Milton. Brown Leghorns were nearly as numerous as the White, and the best were shown by G. G. Henderson, of Hamilton, and John Bradley, of Milton. G. Berner, Toronto, Buff Leghorns, Jas. Dundas, Deer Park, had the finest birds. Rose-combed Leghorns were exhibited by Henderson and Billings, R. H. Tozer, London; Jos. Foster, Brampton; and W. G. Murray, Strathroy.

The Belgian hares and rabbits were numerous. Fox, Toronto, seems to have taken the bulk of the prizes. Some fine specimens of Silver, Golden, Lady Amherst and Reeves pheasants were shown by J. B. Caulfield, Deer Park, and H. B. Donovan, Toronto; the latter showing some fine specimens of Mandarin and Cayuga ducks. Canary birds were numerous, and fine in quality.

The Daniels incubators were on exhibition, and other incubators and poultry appliances. The judges for poultry were Sharpe Butterfield, Windsor, for Asiatics, Games, Bantams and Leghorns; Bennet, Toronto, all Plymouth Rocks; Jarvis, Montreal, French breeds and water fowl; Smelt, Woodstock, Hamburgs, Minorcas, and A.O.V. fowls; Jas. Anderson, Guelph, turkeys, all varieties.

The dressed poultry was shown in the dairy building in cold storage, the eggs were also shown there. The different breeds were well represented, and in fine condition, Messrs. Armstrong Bros., Fergus, taking the bulk of the prizes, 11 in all. Tomalin, 5 prizes; Teale, Guelph, some 3 or 4 prizes; C. Stockwell, 3 prizes; H. Wyatt, 1; Scaulor Bros., Fergus, 1; Mrs. A. N. Broddy, 2; W. H. Brierly, 2; Mrs. Molhers, 1; G. B. Padgett, 2; Miss J. Campbell, 2; Wm. Alexander, 1; Henry Wilson, 1; Wm. Kerr, 1.

Poultry Judging.

At a meeting of the Executive of the Western Ontario Poultry Association, held to arrange for the poultry show in connection with the Winter Fair at Guelph, owing to complaints that some judges in poultry shows have been in the past interested in birds in the classes they were judging, it was proposed that in future all the judges shall make a declaration that they are not judging on any class in which they are competitors, or on any class in which there are birds in which they are directly or indirectly interested. The resolution was left over for consideration at the annual meeting, which will be held in December at the Guelph Winter Fair.

Owing to the growth of the Fair, it was decided to appoint five extra judges. The full list is: Sharpe Butterfield, Windsor; L. Jarvis, Montreal; T. H. Smelt, Woodstock; Thomas Scott, St. Thomas; Newton Cosh, London; Richard Oke, London; James Anderson, Guelph; Chas. Wagner, Toronto; H. B. Donovan, Toronto, and Joseph Bennett, Toronto.

The prize list is to be increased this year by a number of special prizes, to be awarded to those who contributed towards the special prize list. The list of prizes will be in the hands of intending competitors by November 1st. Ribbons, instead of cards, will be given to prizewinners, and this year the Association will supply some three hundred pigeon coops.

The Canadian White Plymouth Rock Club.

A number of enthusiastic White Plymouth Rock breeders of Canada met during the Dominion Exhibition in Toronto and organized what shall be known as the Canadian White Plymouth Rock Club. The officers elected were: Hon. Pres., A. G. Gilbert, Ottawa; Pres., W. H. Bessey, Coleman; Vice-Pres., Mr. Dill, Seaforth; First Vice-Pres., Geo. Robertson, Galetta; Second Vice-Pres., H. A. Hagen, Berlin; Sec.-Treas., J. F. N. Kennedy, Agincourt, Ont. All White Plymouth Rock fanciers are requested to write the secretary for further information, as he is very anxious to inform them of the plans laid for which to boom the White Rocks. All breeders are urged to join the club, because "in union there is strength." The promoters propose to try and make the Canadian White Plymouth Rock Club the strongest and largest specialty club in Canada.

APIARY.

Preparing Stores.

"Suppose that when I have the colonies all united and the honey all fed up, they do not have enough stores for winter—what then?"

"Then you will want to feed them till they do have enough."

"What shall I feed for this?"

"I would use a syrup made of granulated sugar, as I consider such fully as good as honey, and, as a rule, it is cheaper."

"How do you make this syrup?"

"Some simply pour boiling water on the sugar, and stir it till the sugar is dissolved; but for fall feeding, or in feeding for winter stores, after the honey harvest is past, I prefer the following to any other mode of making syrup: Fifteen pounds of water is weighed out and put into a tin vessel of suitable size. This vessel is then put over the fire till the water in it boils, when 30 pounds of granulated sugar is poured in, the water being stirred briskly while pouring or sifting in, so that the sugar will not settle to the bottom and burn, as such sugar is sometimes liable to do if not stirred. The stirring is kept up till the sugar is mostly dissolved, when the whole is left over the fire until it commences to boil again, when it is skimmed, if any impurities arise. After boiling and skimming, the vessel is set from the fire, when five pounds of extracted honey is stirred in, stirring for a moment or two till the whole is thoroughly mixed."

"What do you put in the honey for?"

"Before I used this extracted honey I found that occasionally a batch of syrup would harden in the feeders and comb. This honey proved to be just what was needed, for syrup thus made remained liquid day after day, even when not fed to the bees, and never hardened in the combs, although with this formula the syrup is nearly as thick as the best honey when fed."

"What kind of honey do you use?"

"I first used basswood honey, as I had the most of that; but of late years I have used that which has accumulated from the sun wax-extractor or by way of a little honey being in the bits of comb and wax placed there for melting. This is the nicest kind for any feeding, no matter what the color may be, for the heat of the sun so ripens and thickens it that it is always prime for winter stores."—[Doolittle, in Gleanings.

The Price of Honey.

It is folly to talk about advancing the price of any article or commodity unless there is some sort of co-operation on the part of all those who have the commodity for sale. In a year when there is plenty of honey, when there are any number of offerings, the buyer almost hesitates to make any price until he knows to where the market will actually level up. But there is one thing that careless buyers may do, and that is, offer their honey needlessly low, thus in a season of scarcity depressing the whole market down to the lower level. Such buyers, if it could be done, should be made to pay well for their honey the next time.—[Gleanings, in Bee Culture.

Stump Lifter Wanted.

Can you inform me of any stump-puller made in Canada, and if so, what is it like? J. M. Bowsman, Man.

Ans.—The only stump machine which we know of at present manufactured in Canada is the Lemire's Stone and Stump Machine, with headquarters at Watton, Que. It is used very largely in some sections for elevating and moving stone, as well as lifting stumps. It has four large wheels, and is easily moved about. Write John Amiraux, 40 Lansdowne Ave., Toronto, Ont., for further particulars.

The domestic economy and literary features of the Home Department of the Farmer's Advocate commend it to the wife, and families of our subscribers above all other periodicals of its class. Introduce it to other homes

QUESTIONS AND ANSWERS.

1st.—Questions asked by bona-fide subscribers to the "Farmer's Advocate" are answered in this department free.

2nd.—Our purpose is to give help in real difficulties; therefore, we reserve the right to discard enquiries not of general interest, or which appear to be asked out of mere curiosity.

3rd.—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, as a guarantee of good faith, though the name is not necessarily for publication.

4th.—In veterinary questions, the symptoms especially must be fully and clearly stated, otherwise satisfactory replies cannot be given.

Veterinary.

[Answered by our Veterinary Editor.]

Subscribers are kindly requested to read the conditions at the head of this department before writing or mailing their enquiries.

NASAL GLEET.

I have a Clydesdale mare with a discharge from one nostril of an offensive smell. The breathing is heavier in that nostril. Discharges most when mare is working. Mare in best of health in other respects. Are other horses liable to catch the disease from her?

Brant Co. N. M. C.

Ans.—The symptoms described would lead me to suppose your mare was suffering from nasal gleet, and the offensive smell of the discharge suggests a decaying tooth as the cause of the trouble. You had better have her mouth examined, and if a decaying tooth is there have it removed and the discharge will soon cease. If her teeth prove to be all right, adopt the treatment prescribed for nasal gleet elsewhere in these columns. There is no danger of contagion if it is gleet, but of course it might possibly be glanders—though not likely—which is contagious.

COUGHING HORSES.

1. I have a horse, eight years old, with a cough, mostly while working.

2. Another, nine years old, coughs and discharges at nostrils while drinking; has a rattling sound in head when checked up; has been coughing about a year.

Middlesex Co., Ont. T. E. B.

Ans.—1. You do not say how long your first stated case has been coughing. If only for a month or so, try one dram of chlorate of potash, morning and evening, for two weeks; if he has been coughing for several months, you had better give one dram of iodide of potassium for the same length of time.

2. Case No. 2 has chronic catarrh, usually called nasal gleet. Treatment is somewhat tedious. Give him, twice daily, one dram each of sulphate of copper and iodide of potassium. Keep the nostrils clean, and see that he stands in a well-ventilated stable. This trouble is sometimes caused by a decaying tooth. Have his teeth examined, and if one or more are decaying have them removed.

LUMP ON BACK.

I have a colt, four months old. It was perfectly healthy for two months, when I noticed a raise on its back, half way between the shoulders and small of back. It seems like bone, and is raised about an inch. I can press it with my hand to its natural shape. When the head is held high it can hardly be noticed, but when he stoops to feed it seems to be four or five inches in length. He seems in perfect health.

D. R. H.

Ans.—In my opinion the growth must be a tumor. If it were bone, or spinal curvature, you would not be able to press it down with your hand. The best treatment would probably be to have it cut out, but you might try the effect of a good blister. Take one dram of biniodide of mercury, and one-half dram of cantharides, and mix with one ounce of lard or vaseline; clip the hair off the enlargement and rub in the blister for at least one-half hour. After 48 hours wash off with soap and water, and apply a little lard or vaseline twice a week till the hair grows again.

UNTHRIFTY CALF.

Calf about four weeks old does not feed well. Sometimes it will drink a quart or two of milk, and at other times will not. It has become very thin.

Lambton Co., Ont. S. R. H.

Ans.—The calf evidently has congenital weakness of the digestive organs, probably some incurable disease or malformation. It is not probable it will live. Try giving it 15 grs. each, sulphate of iron and gentian, in a pint of milk as a drench, night and morning, and add to the milk it drinks about one-sixth part lime water.

UNTHRIFTY CALF.

I have a calf, three or four months old, that will not take food enough to nourish it properly. It is very thin.

Lambton Co., Ont. S. R. H.

Ans.—Get four ounces each of pulverized gentian and ginger, and one ounce of sulphate of iron; mix all together, and give the calf a dessert-spoonful three times a day in water or milk. Give it whole milk.

SWELLING ON HORSE.

I have a driving horse that three weeks ago had a swelling in left hind leg. He got better, but went lame on the left fore leg. There is now a swelling on top of shoulder, right on the withers. I have blistered, but swelling has increased. Would urinary trouble cause this?

Peterboro Co. W. O. R.

Ans.—You in all probability have a case of fistulus withers, and it will need prompt attention. Open up the swelling and explore for pus. The matter may be deep-seated, but it must be got out or you will have serious trouble. Sometimes the pus gets down behind the shoulder-blade, when it is very hard to get at. I think it is certainly a case where a competent veterinarian should be consulted. Urinary trouble would not cause the swelling.

Miscellaneous.

STORING MANGELS.

Will you please inform me, through the columns of your valuable paper, the proper season for storing mangels, and should they remain in piles on the field for any time before housing? Will it hurt them to pare all the small roots off closely when pulling them out of the earth? Are the tops of any value for feeding or as a fertilizer? I have them growing this season in clay loam soil, which promises a very good yield, and would like to plant the same field with them next season. How should I cultivate the ground this fall for spring planting again? I have a nice loam, flat piece of ground under potatoes this season, and would like to grow sugar beets there next season. How should I cultivate it this fall after digging up the potatoes? About what quantity of well-matured mangels would be required to feed a milch cow each day along with hay? Are they good to feed to horses and colts?

Pictou, N. S. A SUBSCRIBER.

Ans.—In Ontario the best time to take up mangels is between the 12th and 20th of October. They are injured after being pulled with only a light frost, and, therefore, it is well to store them the same day they are taken up. Trimming the roots off closely will not hurt them in the least. Store the roots in a ventilated, frost-proof, but cool pit or cellar, remembering that a house cellar is not a proper place for the purpose. Mangel tops certainly have some value for both the purposes mentioned, but the value is not great. Land should be fall plowed or ribbed for roots, but other cultivation, before spring, may be left to the winter frosts. Some farmers do feed mangels to their horses with no ill results that we have heard of, out with positive benefit. Unlike Swede turnips, which can safely be given in large quantities to cattle, the amount fed should be rather limited, otherwise they cause scours. About half a bushel per day for a cow would be enough. Some ground grain should be fed also or a cow will not do her best.

DESMODIUM ACUMINATUM AND FERN.

I would like to know the name of enclosed weed, and if it is a bad one or not. It was found in a thicket, and the cattle are spreading it fast. It carries like a bur. It grows about three feet in height; has a round stem, and about one foot high; branches out the limbs about a foot long, and the leaves are there; then a straight stem grows about two feet higher, and branches out, and that is where the bur is.

2. What way would you advise to clear ferns out of a thicket? They grow so thick that the grass does not grow. Is there any time in the summer better than another to cut them? They are in the fields as well as on the newer land, and sometimes will get the start of the crop. Do they go to seed, or just come from the root?

Ontario Co. CONSTANT READER.

Ans.—The weed with the clinging seed pods is a tick-trefoil (*Desmodium acuminatum*). As it does not grow well except in shade, it does not become troublesome.

2. The fern sent is the common brake or bracken. It disappears before cultivation. The best time to cut it in pastures is just after it fully expands its frond or leaf. All the ferns multiply by spores. These are found in spots or cups or lines on the under side of the leaves, and usually resemble fine brown dust. In the brake the spores are under enfoldings of the edges of the leaf.

SHOWING A FREE-MARTIN.

Is it allowable to show as a heifer one that is twinned with a bull, and that will never breed. She is about two years old this fall.

Ans.—I have known several instances of a heifer twinned with a bull, proving a breeder, and if the heifer is shown regularly there is ground for holding her as a breeder. We have seen no rule of any kind as to the showing of such a heifer, and we have seen more than one case of a heifer twinned with a bull, shown at leading exhibitions in Canada.

BUTCHERING.

How can I procure a copy of a book on the general handling of meats? R. F.

Ans.—I can give the title and publisher of such

LEAF MOLD AS FERTILIZER.

Would it be wise to take the leaf mold from maple woods as top dressing? What would be the comparative value of it and barnyard manure? Kindly reply in the "Advocate." J. F. P., Stanstead Co., Que.

Ans.—Leaves of all kinds are rich in fertilizing ingredients, and may be used to advantage for manure. The chief objections to the use of leaf mold as a top dressing are that unless the mold is very thick, the labor of gathering may make it an expensive manure, and that after it is on the field and dried it is so light that it may be blown away.

I know of no analysis of maple-leaf mold published. The following is an average composition of ordinary barnyard manure and the composition of "best autumn leaves" as given by Storer in his book on agriculture:

	Barnyard manure.	Best autumn leaves.
Potash	.53	.10 to .50
Phosphoric acid	.33	.06 to .30
Nitrogen	.51	.75

Barnyard manure will, of course, vary considerably in composition. Leaf mold would be more valuable than fresh leaves, as it is more concentrated and more easily handled. Accordingly, we might look upon good leaf mold as being about equal in fertilizing value to ordinary barnyard manure, ton for ton. The leaf mold will, however, be much more bulky. R. HARCOURT, Ontario Agricultural College.

H I-E-K FAILING TO BREED.

I have a fine registered Shorthorn heifer, a year and a half old, which I cannot get with calf. She is in fairly good condition, but not over-fat, and has come back some three or four times. I changed the bull, but the result is the same. The last time she went four weeks from the time she was served, which looks a little like abortion. J. E. I., Cardwell Co., Ont.

Ans.—We would advise ceasing to breed her till cold weather comes, and have her served by a young bull that has proven sure, and give service at an early and at a later stage of her heat. Then if she fails to prove in calf after two or three trials, examine to find whether the entrance to the womb is open; if not, it may be opened mechanically, commencing with one finger and expanding it till two or three fingers are introduced. An application of equal parts belladonna and Venice turpentine to the mouth of the womb will hasten the expansion. The operation should be performed while the heifer is in heat, and service may follow.

STORING OATS UNDER BARN.

Will it do to put oats in a bin under a bank barn? York Co., Ont. YOUNG FARMER.

Ans.—Conditions are very different under different barns. Some basements are quite dry and well ventilated, while others are always damp and foul. If you have a reasonably dry basement, and can provide plenty of fresh air to the bin, there should be no reason why they should not keep. In any case, it would be well to put a temporary board wall between the grain and the barn foundation, and perhaps a temporary floor would be of good service. Much depends upon the condition of the grain when threshed. If the oats are not perfectly dry at that time, the chance of keeping them in the basement is, of course, reduced.

HOW TO CORN BEEF.

Please give a reliable recipe for making corned beef. Harmattan, Alta. BACHELOR.

Ans.—There are many recipes for corning beef, but the following is recommended as being most satisfactory: To each gallon of water add 1½ lbs. salt, ½ lb. sugar, ½ oz. saltpetre, and ½ oz. potash. Boil, skim, and when cold pour over the meat.

LANDLORD AND TENANT.

A leased from B, on April 1st, 1902, one hundred acres of land, for three or five years, for grazing purposes. B represented to A that there was plenty of spring water for all purposes, or, in other words (B's own statement), that he had pastured 40 head of cattle and horses the season of 1901, and that he had plenty of water for them on said lot; said statement has been refuted by his neighbors, who say he never had sufficient water for his stock in any year, and that he had had to remove them from the premises for want of water. In August and September, 1902, the water supply failed; B was duly notified by A; he refused to do anything, and A was obliged to dig a well and erect a windmill. There is no word in the lease regarding the water.

1. Is A entitled to damages, and, if so, how is he to proceed to get them?

2. The lease is worded thus, in regard to fences: "All outside fences are to be renewed to the satisfaction of A. Time is not specified when it is to be done. A has been in possession 16 months, and the fences have not been fixed. Repeated notices has been given B, to which he pays no attention. A is unable to use the lot for the purpose it was leased for, on account of the bad condition of the fences. Can A compel B to put the fences in shape?"

3. Would A be justified in demanding the cancellation of the lease? If so,

4. How is A to proceed to have lease cancelled? A has complied with the lease to the letter, as far as he knows. Paid rent promptly; there is no rent due until Dec. 1st, 1903. Oxford Co. SUBSCRIBER.

Ans.—1. We think so; but he should personally consult a local solicitor as to how he ought to proceed to recover same.

2. Yes.

3 and 4. Strictly speaking, at this late date, he is hardly in a position to demand that the lease be cancelled, but in the action for damages, cancellation of the lease might be claimed by way of further or alternative relief.

UNSURE LOAN HOLDING AN ENDORSER.

1. B lends C \$90.00 for six months, at six per cent.; had two witnesses to the transaction, but did not demand a note, having confidence in C, but circumstances have changed, and B is uneasy about it. What steps should B take to secure himself? Can he collect it as a book account?

2. B loans \$100.00 on note to E for one year, D putting his name on back of note. When note is due what course should B pursue to ensure collection? OLD SUBSCRIBER.

Ans.—1. At expiration of the six months B ought to demand payment of the amount loaned and interest, and if it is not paid he could then sue C for it, as he would any ordinary open account.

2. B ought at once, on the day the note matures, present it for payment, and if it is not paid he ought then without delay to formally protest it for non-payment, notifying the endorser, of course, of the fact of non-payment, and that he looks to him for payment.

CORN FOR SILO.

What is the proper time in the growth of corn to put it into silo? Is the corn that is put in silo after it is frozen as valuable for fodder? Is shredding or cutting it very short the best way? Peel Co., Ont. J. H. F.

Ans.—The question of the maturity of corn for the silo was discussed at length on page 781, Sept. 1st issue. Our preference is for corn properly matured, and not frozen, as freezing will no doubt depreciate its value, but to what extent is not easily stated. We have not had any experience putting shredded corn into the silo. Will some reader who has please state the results.

NOTES AND NEWS.

List of Fairs for 1903.

CANADA.

Brockville	Sept. 16, 18
Perth	Sept. 16, 18
South Lanark, Perth, Ont.	Sept. 16, 18
Frankford	Sept. 17, 18
Eldon, Woodville	Sept. 17, 18
East Simcoe, Orillia	Sept. 17, 19
East Hastings	Sept. 18, 19
Lanadowne	Sept. 21, 22
Fredericton, N. B.	Sept. 21 to 26
North Hastings	Sept. 22, 23
Petrolia	Sept. 22, 23
Northern Model, Walkerton	Sept. 22, 24
North York, Newmarket	Sept. 22, 24
Great Northern, Collingwood	Sept. 22, 25
Peterboro, Peterboro	Sept. 22, 24
West Kent, Chatham, Ont.	Sept. 22, 24
East Wawanosh, Belgrave	Sept. 23
Renfrew	Sept. 23, 24
Amherstburg	Sept. 23, 24
Hay Agricultural, Zurich	Sept. 23, 24
Yarmouth, N. S.	Sept. 23, 24
Charlottetown, P. E. I.	Sept. 22, 25
West Middlesex, Strathroy	Sept. 23, 25
Campbellford	Sept. 24, 25
Center Wellington, Fergus, Ont.	Sept. 24, 25
Halton, Milton	Sept. 24, 25
Metcalfe	Sept. 24, 25
Mornington, Milverton	Sept. 24, 25
North Brant, Paris	Sept. 24, 25
Lindsay, Lindsay	Sept. 24, 26
Meaford	Sept. 24, 26
New Liskeard (Top of Dymond)	Sept. 25
Springfield Union	Sept. 25, 26
Shannonville	Sept. 26
Carleton, Richmond, Ont.	Sept. 28, 30
Richmond	Sept. 28, 30
Ridgetown	Sept. 28, 30
Marmora	Sept. 29
Arran Tara Fall Show	Sept. 29, 30
Berlin	Sept. 29, 30
Blenheim, Drumbo, Ont.	Sept. 29, 30
Center Bruce, Paisley, Ont.	Sept. 29, 30
Haldimand, Cayuga	Sept. 29, 30
Tilsonburg	Sept. 29, 30
North Middlesex, Alisa Craig	Sept. 29, 30
New Westminster, B. C.	Sept. 29, Oct. 2
Shelburne	Sept. 30
L'Amable	Sept. 30

Shedden	Sept. 30
Westminster, Lambeth	Sept. 30
Streetsville	Sept. 30
Southwestern, Essex	Sept. 29, 30, Oct. 1
Coe Hill	Oct. 1
Peel Co., Brampton	Oct. 1, 2
West Elgin, Wallacetown	Oct. 1, 2
Beachburg	Oct. 1, 2
Galt	Oct. 1, 2
Brantford	Oct. 2
South Norwich, Otterville	Oct. 2, 3
Ameliasburg	Oct. 2, 3
Gore Bay	Oct. 5
Tilbury West, Comber	Oct. 5, 6
Rodney	Oct. 5, 6
Chapeau	Oct. 5, 6
Georgetown	Oct. 5, 6
Moore Township, Brigden	Oct. 6
Elena, Atwood	Oct. 6, 7
Forest Union, Forest	Oct. 6, 7
Netherby Union, Netherby	Oct. 6, 7
Elmvale	Oct. 6, 7
Blyth and Morris, Blyth	Oct. 6, 7
Sault Ste. Marie	Oct. 6, 7
Warkworth	Oct. 6, 7
St. John, N. B., Horse Show	Oct. 6, 7
Sarnia Reserve	Oct. 6, 8
West Durham, Bowmanville	Oct. 6, 7
Victoria, B. C.	Oct. 6, 10
Cooksville	Oct. 7
Stratford	Oct. 7
Alvinston	Oct. 7, 8
Culross, Teeswater	Oct. 7, 8
Castleton	Oct. 8
Leamington	Oct. 7, 9
Caledonia	Oct. 8, 9
Markham	Oct. 7, 8, 9
Wooler	Oct. 9
Orford, Highgate	Oct. 12, 13
Thamesford	Oct. 13
Welland	Oct. 13, 14
World's, Rockton	Oct. 13, 14
Norwood	Oct. 13, 14
Woodbridge, Woodbridge	Oct. 14, 15
Norfolk Union, Simcoe, Ont.	Oct. 13, 15
Muncy Fair, Caradoc	Oct. 21, 22
Ontario Winter Fair, Guelph	Dec. 7, 8, 9
Maritime Winter Fair, Amherst, N. S.	Dec. 14 to 17

STATE AND GENERAL.

Indiana, Indianapolis	Sept. 14, 18
Kansas, Hutchinson	Sept. 14, 19
Oregon, Salem	Sept. 14, 19
Kentucky, Owensboro	Sept. 21, 26
American Institute, New York	Sept. 22, 24
Illinois, Springfield	Sept. 26, Oct. 3
New Jersey Interstate, Trenton	Sept. 28, Oct. 2
St. Louis, Mo	Oct. 5, 11
American Royal Show, Kansas City	Oct. 19, 25
Kansas City Horse Show, Kansas City	Oct. 19, 25
National Horse Show, New York	Nov. 16, 21
Intern'l Live Stock Exposition, Chicago	Nov. 28, Dec. 5

Clydesdales for Canada.

A cheering feature of the season is the demand for Clydesdale stock from Canada and the United States. Quite a number of first-class horses have recently found their way across the Atlantic, and the Donaldson liners which sailed to-day and a week ago had quite as good a selection as has ever left our shores for some time. Mr. Alexander Galbraith, of Janesville, Wis., and Brandon, N.-W. T., is the most extensive shipper. His lot includes first-prize horses at Aberdeen, Kilmarnock, Ayr, Kirkcudbright, Stirling, Falkirk and Linlithgow, and he has younger horses by H. & A. S. champion sires, and some of the most successful breeding horses in this country. Mr. Geo. Isaac, Bomanton, Ont., ships nearly a dozen good, well-bred fillies. Six of these he got in one lot from Mr. David Riddell, Blackhall, Paisley, and others from breeders in Aberdeenshire. Mr. Galbraith bought all his horses from Messrs. A. & W. Montgomery, Kirkcudbright; and high-priced animals have been sold recently by Mr. Peter Crawford, Dargavel, Dumfries; Mr. Wm. Taylor, Park Mains, Renfrew; Mr. W. S. Park, Hatton, Bishopton, and others. What the future may have in store we know not, but already more Clydesdales have been exported in eight months than were exported during the whole twelve months of 1902. Naturally this eager, steady demand from all quarters has led to a cheering trade at home, and a large number of horses have been hired for season, 1903. The Messrs. Montgomery have sold their first-prize two-year-old colt at the Royal for exportation to New Zealand. They also have been selling horses to Russian buyers, and a very large shipment of all classes of British equine stock is being made up for the Transvaal. A good deal requires to be done before the settlement of the Transvaal will be accomplished, but gradually we are beginning to understand the value of our new possession. SCOTLAND YET.

Ontario Entomologists.

At the recent annual meeting, held in Ottawa, the following have been elected as officers of the Ontario Entomological Society: President, Prof. Wm. Lockhead; Vice-President, J. D. Evans, Trenton; Secretary, W. E. Saunders, London; Librarian, J. A. Moffat, London; Auditors, S. B. McCready and W. H. Hamilton, London; Rev. C. J. S. Bethune, editor "Canadian Entomologist."

The Season in Lanark.

To the Editor "Farmer's Advocate":

Dear Sir,—I want to thank you for the trouble you took in answering my query a short time ago. We are having rather wet weather for getting the harvest saved, and, consequently, there is a good deal of grain out yet. Both the hay and grain crops are surprisingly good, considering the prospects we had in the early part of the season. The long-extended drouth of last spring and most of the month of June made most of the farmers feel quite alarmed. The crops were at a complete standstill, and the pastures were burnt so that a good many were letting the cattle have the meadows, but since about June 20th we have had plenty of rain, and a good crop of nearly everything and lots of grass for the stock. Some of the corn is very poor. We received our midsummer payment from the cheese factory last week. Our factory took in over six hundred and twenty tons of milk, for which we received nearly \$17.00 per ton. This was up to the end of July, which we think is not bad for about thirty-five patrons, and considering the severe drouth we had in the first of the season. Like other places we read about, we find it very difficult to get help. A good many went from around here to help with the harvest in the West. Wishing you every success with your valuable paper. Lanark Co., Ont. ROBT. K. JACKSON.

Crop Notes, Cumberland Co., N. S.

Harvest is late this year. Owing to the drouth in June and the first half of July, the grain grew slowly; then, after the middle of July (St. Swither's Day), we had showery and cloudy weather, until after the middle of August, and the grain grew splendidly, but did not ripen fast. Now (Sept. 3) it has ripened nicely and is well filled, and the harvesters are busy, with the prospect of a big crop of all kinds of grain. Hay was scarcely two-thirds of an average crop, and is selling at \$10. Potatoes are a good size, and are not very much affected by blight, and will be a good crop. Roots are coming on nicely now, but will hardly be an average crop. Mangolds will be quite light. The aftermath is growing splendidly, and where the clover survived the bare winter and the dry spring there will be a good clover sod to turn down this fall. Pastures are better than usual for September. Good beef is not plentiful, and is as high as any time since January, but young cattle and feeders are low. Cumberland Co., N. S. C. H. B.

Teachers' Salaries.

Speaking of the present condition of the teaching profession in the Province of Ontario, Inspector Seath states that really good teachers are now at a premium in High Schools and Collegiates. The higher salaries paid for well-qualified men in the United States and in the West are, he says, attracting some of the best teachers in Ontario, and, in consequence, there is a grave danger that the schools of the Province will suffer. Unless school boards could be wakened up to the fact that in these times of industrial expansion and lucrative openings for competent university-trained men, the status of the teaching profession would be seriously lowered. If the present habit of low salaries for teachers continues he foresees the deterioration of our school system. He noted the significant fact that in the past three or four years the number of permits to teachers not regularly qualified has increased by over three-fold. The salaries of rural public school teachers have steadily and very considerably increased, and very properly so.

Condensed Potatoes.

Mr. Frank Bunyan, manager of the Concentrated Flake Potato Co., of Janesville, Wis., while engaged in Stratford as a bookkeeper, originated a process by which potatoes can be put up in a concentrated form for the market, in much the same shape as breakfast foods are now prepared. The scheme was taken hold of by an American concern, and it has been found a distinct success. The finished product is of a creamy white color, and is prepared by pouring hot water over it. It is claimed that none of the original flavor is lost in the process of manufacture. The American concern has a capitalization of \$125,000, and is desirous of branching out. Mr. Bunyan is favorable to locating in Stratford.

Prof. J. A. Craig.

Prof. John A. Craig, formerly of the Wisconsin and Iowa Experiment Stations, has been elected director of the Texas Agricultural Experiment Station, at College Station, Texas, and assumes his new duties this month. He went south in the first place for the benefit of his health. As a writer on agricultural and live-stock topics, Prof. Craig is well known, both through the States and in Canada, where he began his career.

Hope for the Indian.

Reports from the reserves in the Northwest state that the Indians are going into agricultural producing. They are to be seen with teams of oxen and horses hauling grain grown by themselves. They are also beginning to raise some stock on a few of the reserves. Although statistics show that the Indians are rapidly following the buffalo, should they take to the raising of crops and stock there is hope that the downward progress may be arrested, both numerically and morally.

The Farmers' Association.

At the second annual meeting of the Farmers' Association, held during the Toronto Exhibition, a membership of 699 was reported, and Mr. J. F. Beam, of Black Creek, advised advancing their own specific ends without forming a third political party. President C. A. Mallory in his annual address condemned the bounty system, even to the beet-sugar industry. Taxes should be imposed solely for the purpose of carrying on the Government, and not for the benefit of the few at the expense of the many. A vote of thanks was tendered Mr. E. A. Lancaster, M. P., for his efforts on behalf of cattle-guard legislation. Mr. James McEwing, in a vigorous address, spoke in favor of securing more equitable freight rates in Canada, and Mr. L. E. Annis in support of the railways bearing their proper share of taxation. Mr. Jabel Robinson, M. P., in his address, said an independent member of Parliament "had the life of a dog unless he had the nerve of the devil." Mr. Goldwin Smith commended the idea, for the present time, of acting on the legislature and not in it, and the idea of the Association was to "secure power instead of implements." Resolutions were passed against public grants to private corporations and tariff increases; in support of lower freight rates; two-cent passenger fares, and the Pettypiece Bill, and Government inspection of loan company books. The Resolution Committee endorsed public ownership of public utilities, merit system in civil service, direct legislation through the initiative and referendum, land for bona-fide settlers and forest preservation.

The following officers were elected: Mr. J. Lockie Wilson, Glengarry, President; Mr. L. E. Annis, East York, Vice-President; Mr. W. L. Smith, Secretary-Treasurer; Wm. McCrea, Guelph, and Mr. Hyatt, P. E. County, Auditors. These officers, with Mr. J. F. Beam, Welland, and Major Hood, Guelph, form the Executive Committee.

A delegation waited upon Hon. Mr. Ross, the Ontario Premier, asking for a more equitable system of taxation, especially for the proper taxation of railways and such corporations. The Premier replied that a measure revising the assessment law was now before a special committee of the Legislature, and a few years ago they had imposed a tax on corporations. Regarding the railways, it was necessary to take care to see that they could bear the burden of extra taxation, and that they did not recoup themselves by increasing freight rates.

Prof. D. D. Main.

Prof. D. D. Main, of Madison, Wis., has been appointed principal of the Minnesota Agricultural College in the room of Prof. F. D. Tucker, whose resignation was accepted by the regents. Miss C. Comfort, who formerly taught English at the School of Agriculture, will be in charge of the Girls' Building the coming year. She will thus take a considerable portion of the work done by Mrs. Virginia Meredith, the retiring preceptress.

Sugar Beets in Bruce.

The Warton, Ontario, Echo says: "The beet crop in the different sections of the Warton district is looking remarkably fine, and the present outlook bids fair for a good yield per acre. The recent rains have just been the thing needed to promote the growth of the beets. As a whole, the summer has been almost perfect—plenty of bright, warm, sunny days, with an occasional shower. There are a few exceptionally fine patches, where the yield per acre will be very large."

Look up the two pages of premium announcements elsewhere in this issue, and earn some or all of them, by sending in new subscribers to the Farmer's Advocate. It is easy to canvass for a popular paper like this. Write for particulars.

MARKETS.

Buffalo Markets.

East Buffalo, Sept. 14.—Cattle.—Prime steers, \$5.40 to \$5.65; shipping steers, \$4.80 to \$5.30; butchers' steers, \$4.25 to \$5.15; heifers, \$3.50 to \$4.75; canners, \$3 to \$4; bulls, \$2.50 to \$4; feeders and stockers, \$3 to \$4.10; stock heifers, \$2.25 to \$3.25; fresh cows and springers, \$2 to \$3 higher; good to choice, \$45 to \$55; medium to good, \$35 to \$42; common, \$20 to \$30. Veals.—Veals, \$5.25 to \$8.50. Hogs.—Heavy, \$6.25 to \$6.35; mixed, \$6.15 to \$6.30; Yorkers, \$6.25 to \$6.35; pigs, \$5.90 to \$6; roughs, \$5 to \$5.40; stags, \$4 to \$4.75; dairies and grassers, \$5.90 to \$6.15. Sheep and lambs.—Top lambs, \$1.25 to \$1.85, a few at \$4; yearlings, \$4.25 to \$1.50; wethers, \$1 to \$4.25; ewes, \$3.50 to \$3.65; sheep, mixed, \$1.50 to \$4.

Chicago Markets.

Chicago, Sept. 14.—Cattle.—Good to prime steers, \$5.50 to \$6.10; poor to medium, \$4 to \$5.25; stockers and feeders, \$2.50 to \$4.15; cows, \$1.50 to \$4.50; heifers, \$2 to \$2.75; canners, \$1.50 to \$2.60; bulls, \$2 to \$4.50; calves, \$3.50 to \$6.75; Texas steers, \$3.25 to \$4.50; western steers, \$3.25 to \$4.50. Hogs.—Mixed and butchers', \$5.30 to \$6.20; good to choice, heavy, \$5.80 to \$6.10; rough heavy, \$5.50 to \$5.75; light, \$5.70 to \$6.25; bulk of sales, \$5.65 to \$6. Sheep.—Good to choice wethers, \$3 to \$3.65; fair to choice mixed, \$2 to \$3; native lambs, \$3.50 to \$5.70.

Toronto Markets.

The receipts at the City Cattle Market comprise 1,914 cattle, 3,300 sheep, 3,780 hogs; about 1,200 hogs consigned direct to Messrs. Park, Blackwell & Co. During the past week the City Market received 152 carloads and the Toronto Junction 111. The quality of fat cattle, both butchers and exporters, only fair, with room for improvement, but the demand was sufficient to absorb all offered.

Export Cattle.—Choice export cattle sold at from \$4.65 to \$4.80. It was reported that more was paid at the new stock-yards, West Toronto Junction. Best quality of export cattle, \$4.60 to \$4.80; medium quality, \$4.35 to \$4.50.

Butchers' Cattle.—Choice picked loads of best butchers' cattle, \$4.10 to \$4.40; average weights, 1,150 lbs., good to choice, \$3.75 to \$4; fair to medium, \$3 to \$3.60; common, \$2.65 to \$3.

Export Bulls.—Three loads of export bulls sold at \$4 to \$4.25; good to medium bulls, \$3.30 to \$3.80.

Feeders.—A great many farmers paid a visit to the market looking for feeders. Steers of good quality, average 900 to 1,000 lbs., sold at from \$3.50 to \$3.90. There is a good demand for choice, well-bred feeders and stockers.

Stockers.—One- and two-year-old stockers from 400 to 600 lbs. are worth from \$2.75 to \$3.25, and wanted. Mixed colors, poor quality, of the same weight, \$2.25 to \$3 per cwt.

Sheep.—The run of sheep amounted to 1,700 and prices were steady at \$3.40 to \$3.50; bucks, \$2.50 per cwt. Lambs, prices easier, \$3.75 to \$4.25.

Milch Cows.—Demand good for choice cows and springers, very few on offer, at from \$35 to \$55 per head.

Calves.—Calves sold from \$2 to \$10 per head, or from \$4 to \$5.50 per cwt.; only 25 on offer, and wanted.

Hogs.—The market is lower and somewhat over-supplied, 10,000 delivered last week. Choice singers, not above 200 lbs., not below 160 lbs., live weight, off cars, \$6 to \$6.25; for thick, fat and light, \$5.75. Messrs. Mathews, of Peterboro, paid from farmers' wagons from \$5.75 to \$6.12½ for selects. Messrs. W. Harris purchased from the Exhibition grounds a large number of choice hogs, paying \$6.25 per cwt. The prospects of the hog market are downwards for the next few weeks.

PRODUCE AND GRAIN.

Wheat.—Red and white are worth 75c. per bushel; middle freights; goose, 68c.; Manitoba No. 1 hard, \$1.03; No. 1 northern, \$1.02. In Toronto, two hundred bushels of white wheat sold at 83½c., and red sold at 84c. per bushel.

Barley.—No. 3 extra for export sold at 41c. to 45c. per bushel, and No. 3 at 42c., for export. In Toronto, barley sold at 49½c. per bushel.

Oats.—Oats are quoted at 30½c., north, to 34c. at Toronto. In Toronto, oats sold at 33½c. to 34½c. per bushel; five hundred bushels sold at these prices.

Bran.—City mills sell bran at \$17, and shorts at \$19, f. o. b., car lots, Toronto.

Hay.—Twelve to twenty loads each market day are on offer, at from \$10 to \$12 per ton.

Straw.—There is always a good demand for best clean straw; only two loads on offer, at from \$9 to \$10 per ton.

Butter.—Best dairy butter, in pound rolls from farmers' wagons, sells at from 16c. to 22c. per pound.

Eggs.—For choice new laid eggs, guaranteed, prices are always good; from farmers' wagons at from 18c. to 20c. per dozen.

Cheese.—Mr. A. Clement, of Glasgow, Scotland, one of the largest importers of Canadian cheese, says that both butter and cheese making have made great advances in Canada.

Dressed Hogs.—Dressed hogs are lower, and quoted at \$8 per cwt. for choice; heavy sold at \$7.50.

Apples.—The market unchanged at from \$1 to \$1.25 per barrel for choice.

Potatoes.—The offerings are fair and prices steady, with reports of rot from many sections. Car lots at 35c. per bushel, or at 50c. per bag.

Poultry.—The market steady and demand good. Chickens are from 60c. to 70c. per pair. Ducks, 70c. to 90c. per pair. Turkeys from 12c. to 13c. per lb.

Fruits.—Receipts only moderate, prices ruled steady. Peaches, 15c. to 30c. per basket; plums, 20c. to 30c. per basket; Bartlett's, 30c. to 40c. per basket; grapes, 20c. to 30c. per basket; apples, 15c. to 20c. per basket; tomatoes, 15c. to 20c. per basket.

Montreal Markets.

Montreal, Sept. 14.—Cattle.—Receipts 400 head, most of which were fair quality. Demand good. Choice butchers', 4c. to 4½c.; good, 3½c. to 4c.; medium, 3c. to 3½c.; common, 2c. to 3c. Calves.—Receipts 200 head, quality common. Poor stock sold at \$2 to \$4, and good at \$4 to \$12. Sheep and lambs.—Sheep, 3c. to 3½c.; lambs, \$3 to \$4. The demand was good for lambs and export sheep. Hogs.—Receipts of hogs 400 head. The demand was good and prices ranged from 5½c. to 6c.

British Markets.

London, Sept. 14.—American cattle, 6½d.; Canadians, 6d.; sheep, 5½d. Liverpool, Sept. 14.—Canadian cattle, 5½d. to 6½d.



"We live together, years and years,
And leave unsounded still
Each other's springs of hopes and fears,
Each other's depth of will."

Johnny's Stamp Act.

BY KENDALL PERRY.

The old, soiled stamp book had been "kicking around the house" for years, from one resting place to another, until at last it had found ownership and a safe place among Johnny's treasures.

The strange bits of colored paper had a fascination for Johnny. They were pasted in straight lines up and down the pages. The name of the country, the stamps of which had the page to themselves, was written in round, boyish writing, not by Johnny Kirtland, but by his uncle, Jim Caspar.

"Is the stamp book Uncle Jim's or mine?" That question would not "down" in Johnny's troubled soul.

At every annual housecleaning, when secretaries, bookcases and bureau drawers were ransacked in the Kirtland household, the cry had been:

"This old book is no good! What's the use of saving it? Toss it into the waste-paper box."

Johnny had regularly interfered and saved it, until his sister Mabel said:

"Well, take it out of sight, and keep it if you want it."

So, among arrow heads, broken flutes, fishing lines, boxes of discarded paints, bags of marbles, watches that would not go, and a host of things too numerous to mention, Uncle Jim's old stamp book had honorable place for two years, until at last the stamp-collecting craze reached Kimpton again. Then Johnny brought the book to light and studied it eagerly and often.

The more he studied it, the surer he became of its value, and the more distinctly did the crowned heads and helmeted faces seem to be requiring Johnny's answer to the question: "Do we belong to you or your Uncle Jim?"

"I'll give you my nickel-case watch for that stamp on the page marked Greece," said Alec Norton, as the boys looked the book over. Alec pointed to a buff and brown stamp whereon a winged helmeted head was surmounted by a Greek inscription. "You can cut it out. I'll soak it off. The old stamp book is no good. Look at mine!"

Alec displayed a beautiful leather-bound, gilt-edged book, where rows of neatly-kept stamps added beauty to the tinged pages.

"I hardly like to cut it out if it is old," said Johnny, slowly. "And that's not all. No, I guess we'll not trade to-day."

"Well, remember, the nickel-case watch for the stamp of Greece, and 'most anything I have," Alec added, eagerly, "for the Papal States stamp, the one with crossed keys, Johnny. You could sell the watch, and it would help out the bicycle fund."

Johnny groaned in spirit as he descended from the attic, and walked absently out to the gate with Alec.

"Well, I'll think about it, Alec," said he, as they parted.

The result of the thinking was that he went to his mother with the troublesome question.

"Is that old stamp album mine or is it Uncle Jim's? Because, if it is mine, I can do as I like with it, and if it isn't, I suppose I can't touch it."

"Well, really, Johnny, that is a question that could be settled by asking Uncle Jim right out about it. Let me see, it was left here ten years ago, among his cast-off treasures, when the ranch fever struck him."

"Yes, and the stuffed birds and his boys' annuals, skates, guns and fishing rods, and the striped trousers," broke in Mabel. "They're all gone except the old stamp book, and Johnny saved that."

"Well," said the mother, "Uncle Jim has never written and asked about them. Johnny fell heir to the other things, but he wishes to take possession of the stamp book with greater formality. Is that how the matter stands?"

"That's about it, ma," said Johnny, "but do you think he'd care? Where is Uncle Jim now?" He never writes.

"He's somewhere in the West. I have his last address, but have heard nothing from him for five years. Uncle Jim is a strange fellow. What is the new craze, Johnny? Stamps, eh?"

"It's Alec Norton's craze. He's been reading in the papers about stamp auction sales. He's quite sure

I've got some valuable ones, and he'll trade or buy of any one. If I could sell him some of those stamps I could get a bicycle sooner."

Johnny Kirtland wanted a bicycle so badly that the family called his desire "Johnny's bicycle fever." It raged so fiercely at times that he could not sleep nine or ten hours, as a growing boy should, without waking up once or twice. Every morning found him as full as ever of plans for procuring a "wheel."

As money was scarce in the household, Johnny could not hope for help from the family exchequer, and his fertile brain was weary of vainly planning ways and means.

"Say, Johnny," said Alec, soon after his first vain attempt at purchase, "you don't suppose your Uncle Jim's old stamp book has one of the Scinde District stamps or a Mauritius one-penny for 1847, do you? If it has your fortune is made," and Alec unrolled a newspaper cutting, with startling statement that one Mauritius penny stamp was valued at one thousand dollars.

"One thousand dollars!" cried Johnny, stamg.

"Yes, and in my Philatelic Journal a Scinde District stamp—half anna—is all the rage now. Have you any East Indies at all?"

"Yes," said Johnny. "There are both East Indies and Mauritius stamps. East Indies, four annas, two and one annas, and two Mauritius—"

"Let me see them, will you?" and the boys again ascended the attic to Johnny's den.

"Ma," said Mabel, as she heard the two upstairs, "Johnny wants that book awfully, and if possession is nine points of the law, I do think the book is really his. He has saved it from destruction a dozen times to my knowledge. I'd give it to him in a minute if it was mine. What shall you advise him to do?"

"I shall not advise him to do anything," said Mrs. Kirtland, quietly. "I am watching Johnny as I never did before. It's going to be pretty hard, but Johnny Kirtland's got the grip, Mabel, and—"

"What?" said Mabel. "The grip?"

"The honor grip. Have you forgotten?"

"But where yer feel yer honor grip. Let that aye be your border."

"Johnny's come to the border and has the grip, God bless him!" and Mrs. Kirtland bustled out into the kitchen to make some of Johnny's favorite tea cakes, she hardly knew why.

"You'll stay for tea, Alec, won't you?" she said, as the two boys descended. "Here are some of Johnny's favorite cakes. He'll eat more if he has company."

And Mrs. Kirtland beamed in true motherly fashion on the two boys, for Alec Norton was motherless, and although he was rich Squire Norton's son, Mrs. Kirtland often caught herself asking "that poor Alec Norton" to supper. No one took a heartier interest in his boyish fads than Johnny's mother.

"Alec's as smart as a whip, but easily influenced for good or bad, and he needs mothering," Mrs. Kirtland said to Mabel.

Both boys ate heartily, and Alec talked stamps that evening to his heart's content. At nine o'clock he started for home, and Johnny went to sleep and dreamed awful dreams. No wonder that daylight found Johnny more willing to rise than he remembered ever having been before, except on the Fourth of July. At breakfast, he astonished Mabel by cheerfully asking his mother for Uncle Jim's address.

"I can ask him and tell him just why I want it," he said, briskly. "I'll tell Alec to-day, and write to-night," he added.

So this letter was written:

Dear Uncle Jim.—Do you want your old stamp book, because, if you don't, I do, very badly. Of all the things you left here years ago when I was a kid, all are gone but this book. My mother cut up the striped trousers for me years ago, and the moths and worms finished the birds. But I've saved the stamp book. I want a bicycle, and there is a boy that reads the papers and knows lots that say I could sell some of the stamps. But I don't want to till you say I may. We are all well. Write soon to yours truly,
John J. Kirtland.

P. S.—I think the stamps are really valuable—at least, some of them.

Mrs. Kirtland nodded approvingly as Johnny pushed the letter across the table for her inspection.

"Better write on the envelope, 'If not called for in ten days, return to John J. Kirtland, Kimpton,'" said she.

"All right, ma," said Johnny, and he mailed the letter with a lighter heart than he had carried in many a day.

A week later a very strange missive came to Kimpton post office. It was a square-folded sheet of brown paper tied with a bit of string, and addressed to John J. Kirtland. Johnny cut the string eagerly, unfolded the paper, and read, with eyes that seemed not to see, but to transfer in hot lines to his brain:

Dear Nephew,—I write in haste. Glad to hear from you. Send the book at once by registered package. I have walked twelve miles, and borrowed the stamp to mail this letter. Send the book at once. Will write again.
Your affectionate,
Uncle Jim.

Johnny laid the letter down and crept quietly up to his den in the attic. Mabel watched him turn slowly away, then she snatched up the letter and read it aloud.

"Well, mother," she said, indignantly, "I wouldn't have thought it of Uncle Jim! He's just as mean as he can be! I don't see what he could want with that old book. I am just going right up to comfort Johnny."

"No, Mabel," said her mother, "let Johnny be. I'll go—after a while." And go she did, to find Johnny crouched on the attic floor, with both arms on the old, flat trunk, and a blank, miserable face resting bowed upon them.

"Johnny," she said, quietly, as she seated herself on the old trunk and drew the boy's head and shoulders into her lap, "there is something you have gained this week—a greater, grander, better thing than all the bicycles in the world; yes, of more value than a whole bookful of Mauritius stamps at a thousand dollars apiece. Does my boy know what it is?"

"No," he whispered, with such a hopeless tone that Mrs. Kirtland felt all his pent-up disappointment.

"Bring me our Bible, dear, and let me show you." She turned to a marked passage, and Johnny read slowly as she pointed:

"Him that overcometh will I make a pillar in the house of my God; and he shall go no more out," and pointing still further, "'And I will write upon him my new name.'"

"Johnny, did you think you were overcoming this week, overcoming a desire to keep what you did not feel belonged rightfully to you? You could have sold the book, but you never would have been quite satisfied. Now, it will go to-morrow and leave an honest-hearted boy behind. Johnny, dear, when pillars are used for king's palaces or God's workmanship, they are hewn and polished until God and man can see their beauty and service. The hewing process is necessary. And then there is this best of all—the new name. I am so glad to know my boy has earned that."

Johnny Kirtland whistled as he returned from mailing the book—whistled so cheerfully that Alec Norton asked at once as he joined him on the street:

"Heard from your Uncle Jim?"

"Yes," said Johnny, "he wants his book, and I started it to-day. No trade in stamps now."

"Well, weren't you silly to tell him! And the bicycle fund—the bottom's knocked out of that again, I suppose. You told him they were valuable, eh? Why didn't you run them down or call them trash?"

"Because I—I couldn't," said Johnny, soberly.

A few weeks later Johnny showed Alec a letter that his Uncle Jim had written from Five Forks Ranch, Nebraska:

My Dear Nephew,—God bless you, Johnny Kirtland, for what you have done for us—my wife Annie, baby Carroll and myself. We were at our worst extremity, half starved out here on the ranch, doing without almost common necessities, living on a little corn-mush and just what few rabbits I could trap—no money to get away with, and on the point of throwing up one of the best claims ever trod on, because I couldn't find money enough to prove up on and settle.

When your letter came, I remembered instantly what that stamp book contained, and started off on foot to my nearest post office. On the strength of my book I borrowed from the banker there, who is a stamp collector, enough to stave off my worst creditors until I got my hands off those stamps again.

Johnny, you were right when you thought they were valuable. The sale of the book has given me back life, land, hope, happiness. Five Forks Ranch is mine forever now. As soon as I get fairly settled, I shall pay you a flying visit. Now, Johnny, which shall it be, a pair of Texas ponies or a bicycle, or both? Annie says both, and adds: "For, Jim, you had clear forgotten all about the book until Johnny wrote you of it, and kept it for you." So give my love to your mother and Mabel, and kindly remember me to that "boy who knows lots and reads the papers." As for you, I can only close as I began—God bless you from the crown of your honest head to the soles of your feet.
Your grateful
Uncle Jim.

Alec Norton gasped. "Well, I declare! Say, Johnny, if I were you and couldn't have both, I would choose the ponies."—Exchange.

Humorous.

Little Mary's big sister was engaged to Mr. Brown, who was away on an outing trip with Mary's brother. Her father was writing to his son and prospective son-in-law, and asked the little girl if she had a message to send to Mr. Brown.

"What shall I say, papa!" asked she.

"Why," said the father, "I believe it is the fashion to send your love."

Some minutes after her father enquired, "And what shall I say to brother Tom?"

"Well," replied the little miss, with a sigh, "you may send my fashionable love to Mr. Brown and my real love to brother Tom."

A magistrate visiting a British jail saw a prisoner who had a rat in his possession. The magistrate said: "Ah, you have a pet, I see." "Yes," said the convict, "I feeds him every day. I thinks more of that 'ere rat than any other living creature." "That proves," said the magistrate, "that in every man there is some good impulse, if you can only find it. How came you to take such a fancy to the rat?" "Cos he bit the warder," said the convict, cheerfully.

THE QUIET HOUR.

"His Servants Shall Serve Him."

"Chosen to be soldiers
In an alien land,
Chosen, called and faithful,
For our Captain's band,
In the service royal
Let us not grow cold;
Let us be right loyal,
Noble, true and bold."

Our last talk was about our King and His attitude toward us. Now let us consider our attitude toward Him. The first duty of servants is service—"His servants shall serve Him"—but there are many kinds of service, as we all know. I have lately been reading "The Blazed Trail," which gives a wonderful description of the enthusiastic loyalty to their master of a gang of Michigan lumbermen. Those rough and hardened men worked willingly and cheerily all through the long, hard winter, and when the break-up came in the spring they sometimes toiled eighteen hours a day, standing waist-deep in icy water without a complaint. When their master's property was in danger they thought nothing of risking their lives to rescue it, and if one man perished others dashed forward with reckless courage to take his place, caring no more for danger than soldiers in the heat of battle. The master they served so wholeheartedly cared very little for them. He listened to no excuses, never gave them another chance if they displeased him, but dismissed them at a moment's notice for very small offences. They obeyed him enthusiastically because he was strong, and they knew he could master them.

Probably this is a fancy picture of a lumber camp, but at least it is a true description of what our service ought to be. There is so much half-hearted Christianity in the world to-day! Do let us be on one side or the other. As Elijah said to the people of Israel, "How long halt ye between two opinions; if the Lord be God, follow Him; but if Baal, then follow him?" He thought it, better to be an avowed Baal-worshipper rather than to drift, with no settled opinions. Our Lord seems to agree with him when He says, "I would thou wert cold or hot. So then because thou art lukewarm, and neither cold nor hot, I will spue thee out of My mouth." He appears to prefer an open enemy to a lukewarm servant.

"Anything which makes religion its second object, makes religion no object. God will put up with a good many things in the human heart, but there is one thing He will not put up with in it—a second place. He who offers God a second place, offers Him no place." That is Ruskin's opinion, and Dr. Burrell evidently agrees with him, for in the "Homiletic Review" for this month he makes this startling statement: "We are sadly in need of two classes of men in these days. On the one hand, we want infidels, outspoken infidels, who will take their places on the hills against Zion . . . and, on the other hand, we want believers, stalwart believers, who know the truth, and, knowing, dare maintain. There is no room for Epicenes, 'middle-of-the-road' men."

Startling as these words seem from a champion of the faith, they simply echo the Master's wish, "I would thou wert cold or hot." An open enemy does far less harm than a wolf in sheep's clothing.

"Half-hearted, false-hearted! Heed we the warning!
Only the whole can be perfectly true.
Bring the whole offering, all timid thought scorning
True-hearted only if whole-hearted too."

It has become the fashion to admire the character of the historic Christ in a condescending, patronizing way. People who pride themselves on their culture speak of Him as having been one of the world's great leaders—perhaps the greatest in all history. They admire His life and words—as indeed who could help doing!—and even try to copy Him when they can do it without much trouble; but they do not recognize His right to claim their service. The historic Christ they talk of so admiringly died about two thousand years ago, but the Saviour who claims to be our Master and Lord is alive to-day. Satan may well encourage this admiration of a dead Christ. It is indeed a daring thing to patronize the God who made us.

One reason why this is more dangerous than open opposition is because it does not startle or shock people. A man who openly declares himself to be in opposition to God is constantly warned of his danger, both by his own conscience and by the voice of public opinion; while this admiring patronage of Christ and Christianity lulls people into a comfortable state of fauiced security. But the Master says: "He that is not with Me is against Me, and he that gathereth not with Me scattereth abroad." He refuses to accept half-hearted allegiance, but demands that each disciple shall hold himself ready—like any other soldier—to sacrifice everything if He asks it. "Whosoever man come to Me, and hate not his

father, and mother, and wife, and children, and brethren, and sisters, yea, and his own life also, he cannot be My disciple." We might well shrink back in fear, saying that such loyalty is far beyond us, but let us not forget how ready the Master is to forgive those who are honestly trying to serve Him. St. Peter won full and free forgiveness for his disloyalty in word, because he was true and loyal in wish and intention. Even after his cowardly desertion he was not afraid to bare his very heart to the searching gaze of the risen Jesus, saying boldly, "Lord, Thou knowest all things; Thou knowest that I love Thee." Dare we say that? Be very sure He never yet rejected true love, no matter how weak it might be.

"God who registers the cup
Of mere cold water, for His sake,
To a disciple rendered up,
Disdains not His own thirst to slake
At the poorest love was ever offered.
And because my heart I proffered,
With true love trembling at the brim,
He suffers me to follow Him
For ever!"

HOPE.

Rosa Bonheur and Her Favorite Bull.



More than once pictures by the celebrated animal painter, Rosa Bonheur, have appeared in the pages of the "Farmer's Advocate," for which none could be more suited than this. Her groupings and her special choice of subjects made her work unique. She lived amongst the creatures she depicted, studying their idiosyncrasies and noting their habits, alone and in crowds. Dressed in her workman's blouse, she spent hours daily in their midst, and nothing escaped her observant eye, each animal in each group having been carefully studied before it became the subject of her brush. The above picture of this talented French artist and her favorite bull was painted by herself in her younger days, and is considered to be an excellent representation of both. H. A. B.

Domestic Economy.

BUTTER SCOTCH.

Take three pounds of sugar, one-quarter pound of butter, half a teaspoonful of cream of tartar, and add sufficient water only to dissolve the sugar. Boil without stirring until it will break easily when dropped in cold water. Then pour into a well-buttered dripping pan, and, when almost cold, cut into small squares. If desired, a dash of lemon may be added to the mixture before putting on to boil. Eight drops will be sufficient.

BAVARIAN CREAM.

Put two level tablespoons of powdered gelatine into one-third cup of cold water to soak for half an hour, and scald two cups of milk in a double boiler. Beat two eggs, a pinch of salt and one-half cup of sugar until well mixed, and pour on the scalding milk, stirring all the time; pour back into the double boiler and cook until a smooth custard is formed. Add the gelatine, strain, cool, and flavor with one teaspoon of vanilla. Beat two cups of thick cream until light. Beat the custard with an egg beater until it is foamy; then turn in the beaten cream, mix lightly and turn into a mold; set away to become firm.

THE CHILDREN'S CORNER.

Prize Competition.

The competition which closed on the first of September was, on the whole, very satisfactory. Some of the competitors forgot to mention their age, and a good many strayed a long distance from school—which is not very surprising in the summer holidays. None of the little ones tried their hand at essay-writing this time, I am sorry to say. What a pity it was you didn't try, my little ten-year-old friend, for you would have been sure to win a prize if there was no one in the same class with you. Don't be so nervous next time, for it can do you no harm to try, even if you fail to win a prize.

The first prize is awarded to Dena T. McLeod, Box 113, Lucknow, Ont. The winner of the second prize is Mina Buchan, Drayton, Ont.

Very good essays were also sent in by Charlotte E. Hunter, Abbie Alderson, Mina McCullough, Jessie M. Shields and Ettie J. Bell.

COUSIN DOROTHY.

"Our School."

If you should happen to be travelling along a certain country road you would pass a school which we schoolmates call "ours." Not a grand building, by any means, or new either, for over the door is written A. D. 1874. It is simply a rather large, cosy-looking brick building, with a belfry on top and a white painted porch in front. On either side there are three large windows, as well as two in front.

You open the porch door, step in, pass through an ante-room, and then you are in the schoolroom itself. It is quite a large room, with wainscoted ceiling and whitened walls. There are four rows of seats and, at the front, a desk. The large stove at the back, if not famous for beauty, is especially so for its heat-throwing propensities. Besides this, there is more furniture in the shape of two chairs—one red and one yellow—but please don't sit on the yellow one, for, owing to age, its feet are rather infirm and have a knack of giving way under weight. There are pictures on the walls, of course: some bits of lake and mountain scenery, Her Majesty Queen Victoria, and also some mottoes quite safe to go by.

So much for the school itself. Now for its surroundings. The situation is at some distance from a corner at the intersection of two roads. To the east is a quiet river, losing itself in a green wood, which shows glorious tints in autumn. The yard is shut in by a high-board fence, and comprises one acre of land, much more elevated than the land directly south of it. In each corner there is a tall, gigantic poplar, and between each pair of these are scattered smaller and more youthful trees, maples and ash.

But it is not this that makes us love this school more than all others. It is its associations. It is in this yard we have played together. Under that mountain ash we have always ate our dinner. In those seats we have sat day by day for years. In that corner you perhaps have stood, feeling "woefully disgraced," or there at the front at head of class, feeling very much elevated in the educational world.

No other school could recall those memories to any of us but our own, and when we have left it we shall still say:

"Sometimes I go reflectively
On journeys retrospectively
And for a moment dwell
Amid the scenes of long ago,
And on such outings, as a rule,
I wander to the dear old school
And visit with the boys and girls
Whom there I used to know."

DENA T. McLEOD (aged 14).

Lucknow P. O., Ont.

"Our School."

Our school is situated on the banks of a very pretty little river. Its banks are mostly covered with large shade trees.

In the school-yard there is a row of maple trees along the front and a high hedge of evergreens around the back and sides. The school-yard is nicely covered with beautiful green grass, and there are pretty flowers at both sides of the path from the gate to the school door.

At noon it is fun to go down to the river and sit by the side of the water and watch the little fish swimming in the clear, cool, sparkling water, or paddle in the water with our bare feet.

The little birds build their nests in the tops of the tall trees, and sometimes the boys climb up to them. One day there were not very many at school, and so all went down to the river's side to eat our dinner. After dinner, one of the boys climbed up a tree to see if he could find an oriole's nest on the tip of a branch of an old tree that hung over the river and was exposed to the wind. I guess the little oriole had been sitting on the nest, swinging over the little stream. So the boy got up a ladder, and went up and drew the ladder up to the ladder, and then he tied it to the top of the tree so that we could all go up and look into the nest. We went up and looked in, and there were five white eggs with dark brown scratches on them. The scratches looked as if someone had been writing on the

egg with pen and ink, and the pen slipped and splattered the egg in different places. About a month ago that the caretaker of the school brought down a beeder, and went up to the nest and cut it down, so that we could all see it; then we took it into the school and kept it there. The nest is just like a long bar. It is about eight inches long. There are about three small twigs fastened together with a cord, and there the nest is hung from that. It is mostly made of hair and wool, and at the bottom it just looks like a canary's nest. I suppose that is where they lay their eggs. The oriole nearly covered the outside of the nest by the twigs, which she joined together.

The day before school closed at holidays, our teacher gave us leave to go and pick strawberries along the railway track, which runs about three fields distant from the school. We waited till she came back from dinner, and then she went with us. We had a fine time. The berries were good and plentiful, and we had all we could eat, and we brought the rest back to school to eat when we got hungry again.

The last day of school, all the scholars and teacher went to a wood not far from school. Each one brought a basket with something to eat in it. We all helped the teacher to get ready for luncheon, and after we were done we took all the dirty dishes down to the river (which ran through the bush not far from where we had our luncheon) to wash them. Before we went home we sang "The Maple Leaf Forever" and "God Save the King." We all said "good-bye," and then we went home. MINA BUCHAN (aged 13).
Drayton, Ont.

Through Some Thoroughfares.

From the Scilly Isles to the heart of the busy Metropolis of England, is, even in this condensed little realm, a pretty big jump, but being one not taken at a single bound, it has had no very startling results. The record of what I saw at my two stopping-over stages must wait awhile, for my notes about Somersetshire and dear old Winchester will want more time and space than can be spared them to-day. Apropos of a recent experience, I came across a very good illustration of a windy day in London, and I wish our readers could enjoy it with me. In Scilly the wind had played havoc enough, but usually there had been only oneself to suffer or be amused by it, but to cross, as the picture shows, a crowded angle of the big city with bold Boreas snatching at your hat and landing it on the pavement a block ahead of you requires a very collected mind, as well as some courage and physical strength. You have not only to contend with the wild whirling of your own garments, but you have to guard against the entanglements caused by the wild whirling of the garments of others. A high wind, be it where it may, has generally a bracing and invigorating effect, and is, except in the case of people easily disgruntled, on the whole conducive to good humor, for if one has even the smallest sense of fun in one's mental equipment, a high wind, in spite of the proprieties, and, indeed, possibly because of them, is sure to find it out and tickle it into a smile. And talking of humor, or, to be more accurate, of humors, there is no place more prolific of either than a London omnibus, from the ultra-gravity and decorum of the handsomely-attired lady, to whom a penny or two-penny fare may be a great convenience, but is also a blow to her cherished dignity, down to the broad persiflage exchanged between conductors and the drivers of other vehicles during one of the too-frequent blocks which are so provoking when one wants to keep an appointment or catch a train. I had been telling of some comical experiences of my own, and also of one which happened to a friend of mine some time ago, when my host said, "Wait till I fetch you Anstey's sketch of 'In an Omnibus,' although I don't think his notes will beat yours." My friend's story I had related in her own words: "I was delayed by the usual block in Piccadilly. Our omnibus was full inside, and, as it happened, carried twelve of about as plain a lot of old ladies as it was ever my misfortune to see. I was one of them, and not a whit better-looking than any, so you may see the point of the passing conductor's joke. At last, at the magic wave from the hand of authority, the mass of vehicles began to move, and the same voice which had been chaffing our man to the verge of distraction, exclaimed in strident tones, which reached the ears of every occupant of our vehicle, 'Get along with your old Chamber of Horrors.' 'A sense of humor saved us,' said my friend, 'for catching the eye of a dear old lady opposite me, whose plain features were redeemed by a crown of silvery white hair, we both laughed outright, and the outraged expression upon the faces of the rest melted into smiles as ice melts beneath the sunshine.'"

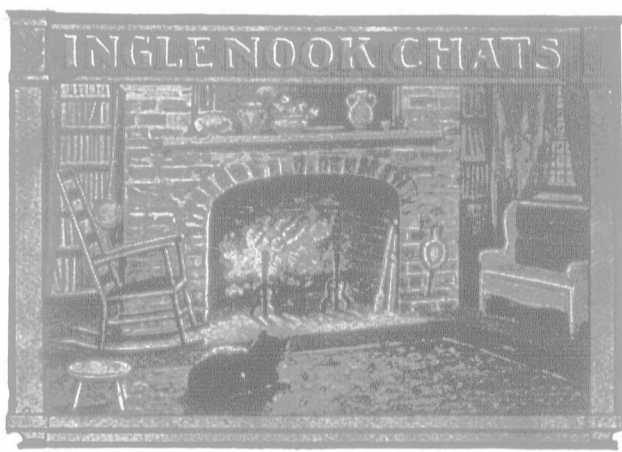
Some of Anstey's scenes were as follows: "A young lady (?) with parcel, of which she appeared to be ashamed, says audibly to her companion, 'Oh, my dear, I do feel so funny, carrying a parcel in that brown paper parcel, in a bus too! Any one would take me for a shop girl.' A grim old lady opposite, as audibly replies, 'And I only hope, my dear, you'll never be taken for anything worse.' Collapse of genteel young lady."
Conductor to coachman of smart brougham,

"I say, old man, don't you race my bus like this, you'll only tire your horse." Then to brougham horse, whose head is almost through the door of the omnibus, "Ere, 'ang it all! step inside if yer want to." Brougham falls to rear. Triumph of conductor."

"Conductor of another bus, 'Ere you are, Orchard St., lady.' Second matron to conductor, 'Just move on a few steps further, opposite the boot-shop, can't you?' 'Certingly, mum, we'll drive in and wait whilst you're a-trying of 'em on, if you like. We ain't in no 'urry, we ain't,' was the sarcastic but well-deserved reply."

Truly an omnibus, especially when traffic is congested in the streets of old London, is a fine field for the study of human nature, whilst a whole chapter might be devoted to the docile animals which hardly need bit and rein to guide them through the labyrinth. Just now the chief terror to timid pedestrians and the drivers of restive horses (for there still remain some of these to be reckoned with) are the automobiles, the motor carriages which are to be met with everywhere, of every shape and form, guided sometimes by careful hands, and sometimes by mere speed-maniacs, whose only thought is to beat a record. In the main thoroughfares police regulations are fairly restrictive, but in outlying districts these motor cars are often a positive menace to life. The daily papers record daily accidents, and contain letters from infuriated correspondents, which may or may not affect the traffic by and bye. Like so many other good things of this life, the use of the motor car is lost sight of in its abuse. Let us hope that a happy medium may soon be found, so that we may have greater speed without imperilling safety. Perhaps it is the excellent roads of good old England which make it easy for the transgressor. The same speed upon our Canadian roads would cause such a wholesome shaking up of the bodies of both driver and passenger alike that I do not think we need anticipate yet awhile such a motor-war as is at present raging in the mother country.

H. A. B.



Dear Friends,—While thinking to-day of a subject for the Ingle Nook, my glance happened to fall upon the new announcement of the MacDonald Institute for young women, which has just been completed on the campus of the Agricultural College at Guelph. Now, I have not been asked to make the Ingle Nook a medium for the advertisement of the MacDonald Institute. Nevertheless, I cannot refrain from expressing an opinion that this institution promises to be one of the very best things ever devised for the young women of Canada, and, incidentally, for the Dominion itself. Its curriculum, so far as the country woman is concerned, is ideal. It provides for her the promise, not only of the practical training which every woman needs, but also of a higher education, which cannot fail to make life better worth living.

It is a matter for regret that in this enlightened day there is still so much misunderstanding and narrow-mindedness in regard to this thing "higher education." Incredible as it may seem, there are yet to be found many to whom education itself means nothing more than a little gilding, a little polishing, a little learning of things which can never be of much practical value, a general unfitting for the commonplace yet necessary duties of life; a preparation for white hands, fine clothes, snobbery and conceit.

The conception of education has changed about as often as the centuries. The time was, for instance, in which the development of the body counted for everything; the mind and the soul mattered nothing at all. At a later date, the educated man was par excellence the one who was well versed in Latin and Greek. Then, by and bye, new ideas began to creep in. Discoveries of lands beyond the sea, of new wonders in the heavens, astounding revelations in science, began to assert themselves as things worth attention. The educated man, forthwith, had to know something of these.

In the meantime, too, great thinkers were beginning to come forth. A Montaigne conceived the idea that virtue and wisdom were worth more

than just "knowing." "Cry out to our people about a 'passer-by,'" he says, "There's a learned man!" and about another, "There's a good man!" They will be all agog after the learned man, and will not look at the good man. . . . We are ready enough to ask 'Does he know Greek or Latin?' but whether he has become wiser or better should be the first question, and that is always the last."

And so the growth went on, the ideas of mighty men—a Locke, a Milton, a Rousseau, a Pestalozzi, a Froebel—gradually filtering through the coarser minds of the masses, little by little wearing down prejudice and stupidity and nonsense, until the ideal of education became what it is explained to be to-day—the forming of the complete man. The manner by which this should be brought about has become an aphorism. As epitomized by Samuel Smiles, it stands: "It is only by wisely training the physical, moral and intellectual together that the complete man can be found."

And the object of developing the complete man? Decidedly, "action." . . . The world to-day has no room for idlers, dreamers, and fretters. It wants contented, busy, "complete" men and women, who are, above all things, useful for something. And so, rather strangely, with the cycle of time we have come back again to the very conception of the first of all the great thinkers, the philosophers of the old, old time, who taught that it is not enough to know and to think, but that one must carry out the results of one's knowledge and thought in action and right living. Above all things, one must "Do."

It is rather interesting to compare the utterances of our nineteenth century philosophers in this connection with those of the ancient giants of thought. Examine, for instance, the saying of Confucius: "Learning without thought is labor lost; thought without labor is perilous"; and that of Ruskin: "It is only by labor that thought can be made healthy, and only by thought that labor can be made happy; and the two cannot be separated with impunity."

Also Epictetus: "For this is your duty, to act well the part that is given to you"; and Carlyle: "Our grand business in life is to do what lies clearly at hand."

Again, Seneca: "It is better to know a few things and to have the right use of them, than to know many things which you cannot use at all"; and Goldwin Smith: "A thorough knowledge of one good book of real importance is worth a great deal more than a superficial knowledge of twenty great authors."

So one might go on. . . . In conclusion, then, may it be repeated that the ultimate aim of all true education is the ripening of life into right thought and useful action. It is true that education, viewed in this light, may be acquired outside of schools; much of it must essentially be so, for education must be continued throughout life, else there is death in life. Nevertheless, it must be evident that "schooling" is an invaluable supplement to education; that our colleges do not exist for our adornment, but to fit us the better for any walk of life in which we may have to travel; that they afford the speediest and readiest beginning to that broadening of mind and deepening of culture which add so much to life and its interests.

We feel sure that a course at the MacDonald Institute will be of inestimable value in the "educating" of every young woman who may have the good fortune to be able to take it; and we hope that many friends of the Ingle Nook may be among the fortunates. To those who cannot, may the knowledge of it still be an inspiration. "Where there's a will there's a way," and if we only "will it" hard enough, education may come, if more slowly, to our own firesides, be they in field or forest. Only let us read, think and act until

"Mind and soul according well,
May make one music as before,
But vaster."

Box 28, Chatsworth. DAME DURDEN.

Humorous.

Pompous Lady—Must I put this stamp on myself?
Post-office Clerk—Well, you can if you like, but it's usual to put it on the letter.

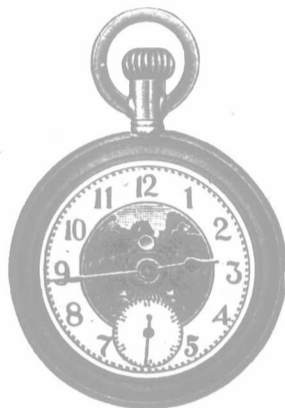
She was a little girl, and she was sitting on her father's knee one evening. She had a little brother, whom she regarded with wonder. "To-day," said the father, "a man offered to give me a whole roomful of gold for little brother. Shall I sell him?" The child shook her head. "But," said her father, "think of how many nice things a roomful of gold would buy! Don't you think I had better let the man have him?" "No," answered the girl, thoughtfully; "let's keep him till he's older; he'll be worth more then."

Doctor—His circulation is abnormally sluggish.
Mother—Well, you see, doctor, he will forever be readin' them blood-curdling dime novels!

Mistress—I wouldn't hold the baby so near the tiger's cage, Nora.

Nora (the nurse)—There's no risk, mum. The tiger is a "man-eater," and th' child is a gur-rul.

PREMIUMS



Half Size.



We have again arranged, on most favorable terms, to offer our present subscribers the following premiums—all extra good value and genuine quality—for sending new subscriptions to the Farmer's Advocate. **SUBSCRIPTION PRICE, \$1.25**, from Sept. 1st, 1903, to end of 1904, including all special issues, Christmas Numbers, etc.; payable in advance. Begin at once and earn one or more of the useful and attractive premiums named below. Sample copies will be mailed upon application. It is stated after each premium named the number of new subscribers required to obtain it. Cash to accompany order in every case.

Ladies' Watches.

No. 1.—Sterling silver, open face, with genuine American jewelled movement, engraved, plain or engine-turned case, and stem winder. **10** new subscribers; selling price, \$8.50.

No. 2.—Gold-filled case, guaranteed for 15 years, with genuine American jewelled movement, very finely timed, and stem wind. **15** new subscribers; selling price, \$11.50.

No. 3.—Lady's regular size, hunting case, 14 karat, gold filled, guaranteed to wear for 25 years, and genuine Elgin 7-jewelled nickel movement, stem wind and stem set. **23** new subscribers; selling price, \$17.

Gents' Watches.

No. 4.—American nickel, open-face boy's watch, absolutely guaranteed to keep good time and give satisfaction. For **2** new subscribers; selling price, \$1.25.

No. 5.—Nickel, open face, strong case, with thick glass and genuine American movement, with fancy dial. For **4** new subscribers; selling price \$3.25.

No. 6.—Genuine Elgin or Waltham 7 jewelled nickle movement in 14-karat, twenty-year guaranteed, gold-filled, open-faced, screw back and bezel case. For **14** new subscribers; selling price, \$15.

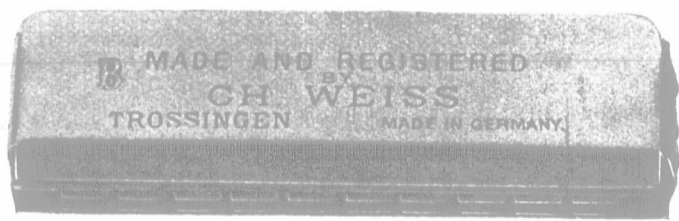
No. 7.—Genuine Elgin or Waltham 15-jewelled nickel movement, same case as No. 3. **30** subscribers; selling price, \$20.

The Brass Band Harmonica, finest instrument in the world, extra full tone. For **1** new subscriber. Cash price, 50c.

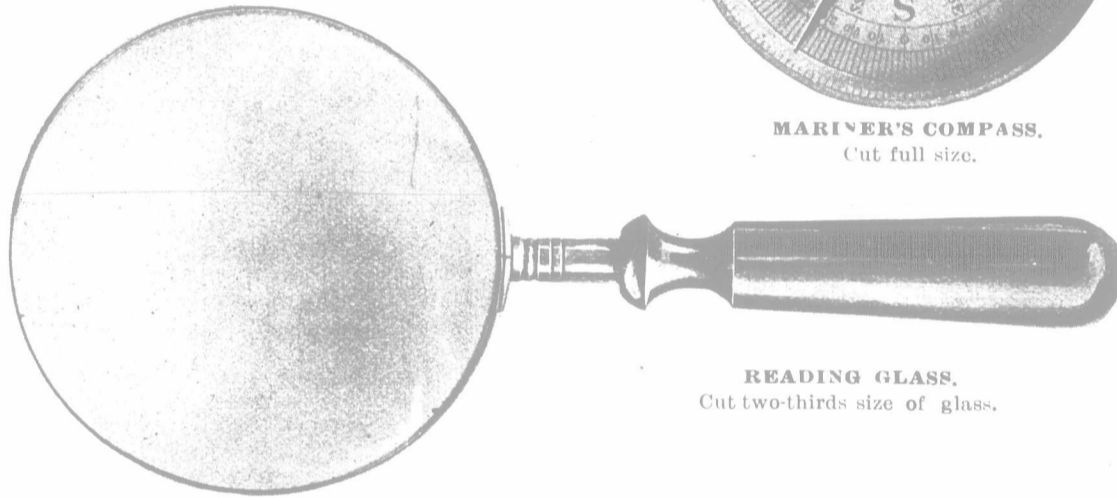
Mariner's Compass (two inches in diameter), nickel plated; ring attachment for convenient carrying. **1** new subscriber. Cash price, 50c.

Reading Glass, powerful lens, nickel mounted. **1** new subscriber. Cash price, 50c.

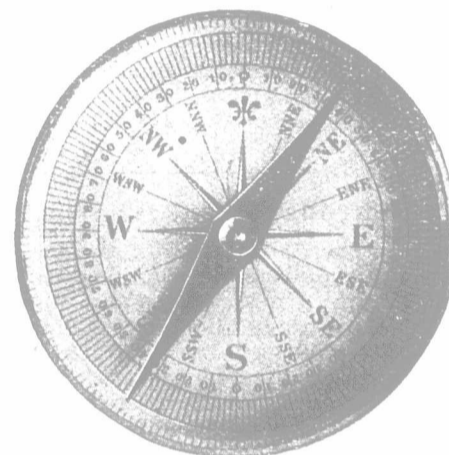
Each new subscription must be for full year. This applies to all premiums.



THE BRASS BAND HARMONICA.
This cut is two-thirds full size.



READING GLASS.
Cut two-thirds size of glass.



MARINER'S COMPASS.
Cut full size.

FARM BOOKS.

The farmer's home without an Agricultural Library is lacking in one of the chief aids to pleasure and success. We have gone over the available first-class works on agricultural subjects, and have selected the best. See below for prices and how to obtain them.

SOIL AND CROP.

A BOOK ON SILAGE.—Woll. 185 pages. \$1.00.
SOILING, ENSILAGE, AND BARN CONSTRUCTION.—F. S. Peer. 247 pages. \$1.00.
SOILING CROPS AND THE SILO.—Shaw. 366 pages. \$1.50.

LIVE STOCK.

VETERINARY ELEMENTS.—A. G. Hopkins, B. Agr., D. V. M. \$1.50. A practical book for stockmen and agricultural students.
THE STUDY OF BREEDS (CATTLE, SHEEP, AND SWINE).—Prof. Shaw. 400 pages; 60 engravings. \$1.50.
HORSE BREEDING.—Sanders. 422 pages. \$1.50.
LIGHT HORSES—BREEDS AND MANAGEMENT. 226 pages. \$1.00.
HEAVY HORSES—BREEDS AND MANAGEMENT. 219 pages. \$1.00.
CATTLE—BREEDS AND MANAGEMENT. 270 pages. \$1.00.
SHEEP—BREEDS AND MANAGEMENT. 232 pages. \$1.00.
PIGS—BREEDS AND MANAGEMENT.—Sanders Spencer. 175 pages. \$1.00.
THE DOMESTIC SHEEP.—Stewart. 371 pages. \$1.75.
FREDS AND FEEDING.—Henry. 600 pages. \$2.00.
LIVE STOCK ALMANAC.—Handsomely bound. 75 cents. Paper cover, 40 cents.

GENERAL AGRICULTURE.

AGRICULTURE.—C. C. James. 200 pages. 30 cents.
AGRICULTURE.—Storer. 1,875 pages, in three volumes. \$6.00.
CHEMISTRY OF THE FARM.—Warrington. 183 pages. \$1.00.
FARMYARD MANURE.—Atkman. 65 pages. 50 cents.
SUCCESSFUL FARMING.—Rennie. 300 pages. \$1.50, postpaid.

DAIRYING.

THE BOOK OF THE DAIRY.—Kleischmann. 330 pages. \$2.75.
MILK AND ITS PRODUCTS.—Wing. 230 pages. \$1.00.
TESTING MILK AND ITS PRODUCTS.—Farrington & Wall. 255 pages. \$1.00.
DAIRYING FOR PROFIT.—Mrs. E. M. Jones. 50 cents.

HOW TO OBTAIN THESE BOOKS.—We will furnish present subscribers any of the above books for cash or as premiums to those obtaining new yearly subscribers to the "Farmer's Advocate" according to the following scale:

Books valued at 50c. and under for 1 new subscriber.

Books valued over \$1.00 and up to \$1.50 for 3 new subscribers.

Books valued over \$2.00 and up to \$2.50 for 5 new subscribers.

Books valued at \$6.00 for 12 new subscribers.

Books valued over 50c. and up to \$1.00 for 2 new subscribers.

Books valued over \$1.50 and up to \$2.00 for 4 new subscribers.

Books valued at \$2.75 for 6 new subscribers.

POULTRY.

POULTRY CRAFT.—Robinson. \$2.00.
FARM POULTRY.—Watson. 341 pages. \$1.25.
ARTIFICIAL INCUBATING AND BROODING.—Cypher. 146 pages. 50 cents.
AMERICAN STANDARD OF PERFECTION.—Pierce. 278 pages. \$1.00.

APIARY.

THE HONEYBEE.—Langstroth. 521 pages. \$1.50.

FRUIT, FLOWERS, AND VEGETABLES.

VEGETABLE GARDENING.—Green. 224 pages. \$1.25.
FLOWERS AND HOW TO GROW THEM.—Rexford. 175 pages. 50 cents.
HORTICULTURIST'S RULE BOOK.—Bailey. 312 pages. 75 cents.
SPRAYING CROPS.—Weed. 50 cents.
AMATEUR FRUIT-GROWING.—Sammuel B. Green. 5x7 inches; 134 pages, with numerous fly-leaves for notes; bound in cloth, and illustrated. 50 cents.

PLANT AND ANIMAL LIFE.

THE STORY OF THE PLANTS.—Grant Allen. 213 pages. 40 cents.
THE STUDY OF ANIMAL LIFE.—J. A. Thomson. 375 pages. \$1.75.
INSECTS INJURIOUS TO FRUITS.—Saunders. 436 pages. \$2.00.

MISCELLANEOUS.

THE HOME PHYSICIAN AND CYCLOPEDIA OF MEDICINE.—By seven eminent physicians, aided by specialists. 1,300 pages; illustrated. Cloth, \$4.75; leather, \$5.75.
LANDSCAPE GARDENING.—S. T. Maynard. 338 pages. \$1.50.
BIRDS THAT HUNT AND ARE HUNTED.—Nettie Blanchan. 360 pages. \$2.25.
CARPENTERS AND JOINERS' HANDBOOK. 75 cents.
AMERICAN FARMER.—Briggs. 25 cents.
TAXIDERMY.—Hasluck. 50 cents.
GINSENG.—Kains. 50 cents.

We can furnish any of the above books at the regular retail price, which is given opposite the title of the book. By a careful study of the above list, any farmer can choose a select list of books suited to his needs, and for a small outlay in cash, or effort in obtaining new subscribers for the "Farmer's Advocate," secure the nucleus of a useful library.

THE WILLIAM WELD COMPANY, LIMITED, LONDON, ONTARIO.

Dominion Exhibition, Toronto, Prize List.

HORSES.

CLYDESDALES.—Stallion, four years old and upwards—1, Graham Bros., Claremont, Imp. Baron Primrose; 2, O. Sorby, Guelph, Imp. Vanora's Pride; 3, Dalgety Bros., London, Imp. Stewart's Pride; 4, T. H. Hassard, Millbrook, Imp. Right Time. Stallion, three years old—1, Graham Bros., Imp. Cairnhill; 2, Smith & Richardson, Columbus, Imp. Lavender; 3, J. B. Hogate, Sarnia, Gallant Chattan; 4, J. M. Gardhouse, Weston, Robson's Fidelity. Stallion, two years old—1, Graham Bros., Criterion; 2, Smith & Richardson, Ardlethen Premier; 3, Graham Bros., Baron Hamilton. Stallion, one year old—1, James I. Davidson, McClure; 2, Alex. Cameron, Oshawa, No Surrender; 3, H. G. Boag, Barrie, Proud Gordon. Filly, three years old—1, Robert Davies, Toronto, Princess Royal; 2, Smith & Richardson, Imp. Beauty; 3, John Savage, Guelph, Charming Sunflower. Filly, two years old—1, Robert Davies, Startling; 2, Graham Bros., Queen of Roxburgh; 3, Smith & Richardson, Madge of Hallcroft. Filly, one year old—1, Robert Davies, Belle Troon; 2, O. Sorby, Miss Gilmour; 3, James I. Davidson, Fair Nellie. Brood mare, with foal of same breed by side—1, Robert Davies, Nelly Lynedoch; 2, O. Sorby, Baroness Montague; 3, John W. Cowie, Markham, Nellie Rosewood. Foal of 1903—1, Hodgkinson & Tisdale, Beaverton, Maccorrie; 2, John W. Cowie, Nellie Flashwood; 3, D. Pugh, Claremont, Minnie Macqueen. Best mare of any age—Robert Davies, Princess Royal.

SHIRES.—Stallion, four years old and upwards—1, J. M. Gardhouse, Chewton Prince Harold 3rd; 2, Morris & Wellington, Ponthill, Mars. Stallion, three years old—Morris & Wellington, Bank Statesman. Stallion, two years old—1, Morris & Wellington, Imp. Coronation; 2, Morris & Wellington, Imp. General Favorite. Stallion, one year old—Morris & Wellington, Anthony Waterer. Brood mare, with foal at foot—1, Morris & Wellington, Rose; 2, John Gardhouse, Highfield, Violet. Foal of 1903—1, Morris & Wellington, Fair Rosamond; 2, Morris & Wellington, Lady Penzance; John Gardhouse, Viola. Filly, three years old—1, Morris & Wellington, Moulton Marianne; 2, J. M. Gardhouse, Orphan Girl. Filly, two years old—1, Morris & Wellington. Filly, one year old—1 and 2, Morris & Wellington. Best stallion, any age—Morris & Wellington, Coronation. Best mare, any age—Morris & Wellington.

HEAVY DRAFT (Canadian-bred).—Stallion, 4 years old and up—1, Graham Bros., Gay McGregor; 2, J. G. Clark, Ottawa, Woodroffe Plough Boy; 3, James Callendar, North Gore, Dandy Dimont. Stallion, three years old—1, P. H. Petre, Stratford, Lion Boy; 2, Wm. Foster & Son, Humber, Reliance. Stallion, two years old—1, Hodgkinson & Tisdale, Royal Prince; 2, Geo. Davidson & Sons, Cherrywood, MacCarra; 3, Robt. Fleming, Poole, Bold Clyde. Stallion, one year old—1, Smith & Richardson, Cairnton's Best; 2, John Vipond, Brooklin, Cairnton's Pride; 3, Geo. Crawford, Oro Station, Mirthful Mac. Stallion, any age—Graham Bros., Gay McGregor. Filly, three years old—1, Colin Cameron, Etobicoke, Jessie James; 2, Hodgkinson & Tisdale, Arabella Craichmore; 3, John W. Cowie, Markham, Scottish Rose. Filly, two years old—1, Hodgkinson & Tisdale, Daisy Macqueen; 2, Colin Cameron, Lucy Gordon; 3, W. J. Howard, Amber, Minnie of Amber. Filly, one year old—1, J. M. Gardhouse, Weston, Jessie Kerr; 2, Hodgkinson & Tisdale, May Macqueen; 3, Hodgkinson & Tisdale, Lucy Lynedoch. Brood mare, with foal by side—1, Hodgkinson & Tisdale, Idonia Queen; 2, John Lawrie, Malvern, Bounce; 3, J. M. Gardhouse, Net Derby. Best heavy-draft mare, any age—J. M. Gardhouse, Jessie Kerr.

THOROUGHBREDS.—Stallion, four years old and upwards—1, W. A. Lawrence, Trinity; 2, W. J. Thompson, Dun Robin. Stallion, four years old and upwards, best calculated to produce hunters and saddle horses—1, Edward White, Dalmoor. Stallion, three years old—1, H. Zinn, Ray Oregon. Stallion, two years old—1, J. G. Barber, Bell of the Play; 2, Milton Strong, James Festival. Stallion, one year old—1, R. Davies, Capercaille. Best stallion of any age—1, E.

White, Dalmoor. Filly, three years old—1, R. Davies, Centre Star. Filly, two years old—1, R. Davies, Floanga. Filly, one year old—R. Davies, Scotch Cap. Brood mare, with foal of same breed by her side—1, R. Davies, Lou D.; 2, R. Davies, Zeal; 3, R. Davies, Almonte. Foal of 1903—1, R. Davies, Lou D.'s filly; 2, R. Davies, Zeal's filly; 3, R. Davies, Dr. Phil. Best mare of any age—1 and silver medal, R. Davies, Thistle.

STANDARD-BREDS.—Stallion, four years old and upwards—1, Geo. Kennedy, Lord of the Manor; 2, John Palmer, Wild Billy; 3, Angus Kerr, Brian Boru. Stallion, three years old—1, Geo. Kennedy, Sir Casimir; 2, R. Oke, Son Alderbaron; 3, John Crawford, Berkvale. Stallion, two years old—1, Miss Wilkes, Rex W.; 2, Thos. Cole, Wildwood Brino; 3, Lorne Stock Farm, Allan Brino. Stallion, one year old—1, R. Davies, Earl of Chester; 2, Miss Wilkes, Oradell; 3, J. Tovel, Coronation Boy. Stallion, any age—1, Lord of the Manor. Filly, three years old—1, John Watson & Co., Pearl Tipping; 2, A. F. Hillock, Hickory May. Filly, two years old—1, J. Watson & Co., Annie Tipping; 2, Angus Kerr, Wildbrino Girl; 3, M. P. Barry, Lora Bals. Filly, one year old—1, Lorne Stock Farm, Lorne Belle; 2, A. Strong, Zelina May. Brood mare, with foal of same breed by her side—1, Miss Wilkes, Bessie Wilkeswood; 2, Geo. Kennedy, Lady Rosemead; 3, H. Ashley, Lottie Frazier.

HACKNEYS.—Stallion, four years old and upwards—1, O. Sorby, Guelph, Cliffe Roberts (imp.); 2, Graham Bros., Saxon; 3, J. B. Hogate, Sarnia, Pedro (imp.). Stallion, two years old—1, Lewin & Cox, Jubilee Performer; 2, Hodgkinson & Tisdale, Beaverton, Storm King; 3, W. H. Maltby, Rosador Jr. (imp.). Stallion, one year old—1, H. N. Crossley, Rosseau Boy; 2, R. Davies, Squire of Chester; 3, O. Sorby, Robin's Duplex. Stallion, any age—Silver medal, O. Sorby, Guelph, Cliffe Roberts. Filly, three years old—1, H. N. Crossley; 2, Hodgkinson & Tisdale. Filly, two years old—1, Hodgkinson & Tisdale; 2, Dr. B. Collop, Milton West. Filly, one year old—1, H. N. Crossley; 2, O. Sorby. Brood mare, with foal by her side—1, O. Sorby; 2, L. L. Pound, Glen Colon; 3, Graham Bros. Foal of 1903—1, Graham Bros.; 2, J. Cowie; 3, O. Sorby. Best Hackney mare—O. Sorby.

CARRIAGE AND COACH HORSES.—Stallion, four years old and upwards, 16 hands and over—1, J. L. Reid, Derry West, Lord Roberts; 2, Geo. Bennett & Sons, Carlisle, British Picador; 3, J. L. Reid, General Buller. Stallion, three years old—1, A. G. H. Luxton, Milton West, Reformer; 2, J. L. Reid, Lord Kitchener; 3, R. T. Wood, Etobicoke, Davy Candidate. Stallion, two years old—1, John Rogers, Thornhill, Lucky Strike; 2, A. G. H. Luxton, Swallow. Stallion, one year old—1, H. B. Dent, Drumquin, Lord Minto; 2, T. Johnson, Britannia, Wiley; 3, Geo. A. Bennett & Sons, Bernie B. Stallion, any age—J. L. Reid, Lord Kitchener. Single carriage horse, mare or gelding, not less than 16 hands—1, Crow & Murray, Toronto, Lord Byron; 2, Geo. Pepper & Co., Toronto, Burlington; 3, J. W. T. Fairweather & Co., Toronto, Prince Highgate. Pair matched carriage horses, not less than 15½ hands and under 16—1, Geo. Pepper & Co., Creighton and Parader; 2, P. Maher, Toronto, Duke and MacGregor; 3, F. M. Fraser, Toronto Junction, Flyer and On Time; 4, A. Yeager, Simcoe, Gay Lady and Chaperon.

HUNTERS AND SADDLERS.—Lightweight qualified hunters, carrying not less than 154 lbs., best performance over four jumps—1, Geo. Pepper & Co., Myopia; 2, Geo. Pepper & Co., Pearl; 3, J. Kilgour, Toronto, Head Light. Saddle horse, suitable for carrying over 180 lbs.—1, J. G. Wilson, Paris Station, Ogden; 2, Geo. Pepper & Co., Listowel; 3, J. G. Wilson, Raven; 4, Geo. Pepper & Co., Senator. Two-year-old gelding or filly, not Thoroughbred, but sired by a Thoroughbred, likely to make a good hunter—John Whitefield, Deer Park, Dick. Best saddle and harness horse, 15 hands and over, mare or gelding, to be first shown in an appropriate vehicle, and judged as a horse best suited for harness purposes—1, Geo. Pepper & Co., Leading Lady; 2, Crow & Murray, Woodburn; 3, J. G. Wilson, Clansman; 4, Geo. Pepper & Co., Glendale; 5, J. McNish, Toronto, Young Jim.

CATTLE.

SHORTHORNS.—Aged bull—1, G. D. Fletcher, Binkham, Joy of Morning; 2, W. C. Edwards & Co., Marquis of Zenda; 3, James Crerar, Spicy Robin; 4, J. Atchison, Inverhaugh, Valasco. Bull, three years old—1, W. D. Platt, Hamilton, Spicy Marquis; 2, Hon. John Dryden & Son, Prince Gloucester; 3, J. & W. Russell, Richmond Hill, Fitzstephen Forrester; 4, James Crerar, Scottish Hero. Bull, two years old—1, Capt. T. E. Robson, Ilderton, Prince Sunbeam; 2, W. C. Edwards & Co., Village Champion; 3, W. G. Pettit & Son, Freeman, Village Captain; 4, Senator Drummond, Pointe Claire, Que., Cicely's Pride. Yearling bulls (seniors)—1, John Dryden & Son, Clipper Hero; 2, Goodfellow Bros., Macville, Famous Pride; 3, W. C. Edwards & Co., Lancaster Comet; 4, G. H. Oke, Alvinston, Invincible; Yearling bulls (juniors)—1, W. D. Platt, Diamond; 2, James I. Davidson, Balsam, Choice Archer; 3, Haining Bros., Highgate, Jilet Victor; 4, W. C. Edwards & Co., Bessie's Marquis. Senior bull calves—1, T. E. Robson, Royal Wanderer; 2, Goodfellow Bros., Remus; 3, Capt. T. E. Robson, Wanderer Star; 4, J. & W. Russell, Breastplate; 5, W. D. Platt, Spicy Marquis 2nd. Junior bull calves—1, W. C. Edwards & Co., Rockland, Clipper Champion; 2, T. E. Robson, Ilderton, Vain Baron; 3, John Dryden & Son, Brooklin, Lord Victor; 4, J. & W. Russell, Richmond Hill; 5, Geo. D. Fletcher, Crimston Robin. Senior bull champion, over two years—W. D. Platt, Spicy Marquis. Junior bull champion, under two years—John Dryden & Son, Clipper Hero. Aged cow—1, J. A. Crerar, Shakespeare, Gem of Ballechin; 2, W. C. Edwards, Missie 153rd; 3, Goodfellow Bros., Macville, Water Cress; 4, J. & W. Russell, Rosa Bonheur; 5, Wm. McDermot, Living Springs, Mayflower III. Cow, three years and under four—1, J. A. Crerar, Gem of Ballechin II.; 2, W. G. Pettit & Sons, Freeman, Martha IV.; 3, Goodfellow Bros., Orange Blossom; 4, Israel Groff, Olive Wenlock II.; 5, J. A. Crerar, Rosabel IV. Heifer, two years and under three—1, T. E. Robson, Topman's Queen; 2, W. C. Edwards, Lily of Pine Grove II.; 3, Israel Groff, Roan Mary; 4, W. C. Edwards, White Flower III.; 5, Haining Bros., Pandora (imp.). Heifer, calved on or before Jan. 1, 1902, and under two years—1, W. C. Edwards, Golden Bud; 2, John Dryden & Son, Bertie IV.; 3, T. E. Robson, Lady Winsome; 4, Jas. I. Davidson, Susan II. Heifer, calved on or before Jan. 1, 1902—1, W. C. Edwards, Missie of Pine Grove; 2, W. C. Edwards, Orange Blossom; 3, Israel Groff, Duchess of Athelstane IV.; 4, Goodfellow Bros., Mamie Stamford. Heifer, calved before Jan. 1, 1903—1, W. D. Platt, Dolly Marquis; 2, R. & S. Nicholson, Spicy Wimple; 3, R. & S. Nicholson, Pine Apple of Sylvan II.; 4, Goodfellow Bros., Fairy Queen IX.; 5, John Dryden & Son, Beatrice. Heifer, calved on or after Jan. 1, 1903—1, W. C. Edwards, Zoe of Pine Grove III.; 2, J. & W. Russell, Nonpareil Beauty V.; 3, W. G. Pettit & Sons, Belinda IV.; 4, W. D. Platt, Rosy Marquis. Senior champion female—J. A. Crerar, Gem of Ballechin 2nd. Junior champion female—W. C. Edwards & Co., Golden Bud. Four calves, bred and owned by exhibitor—1, T. E. Robson; 2, W. C. Edwards & Co.; 3, Goodfellow Bros.; 4, R. & S. Nicholson. Best three animals, get of one bull, owned by exhibitor—1, W. C. Edwards & Co.; 2, W. D. Platt; 3, T. E. Robson; 4, Israel Groff. Bull and four females, under two years—1, W. C. Edwards & Co.; 2, Goodfellow Bros.; 3, John Dryden & Co.; 4, W. D. Platt. Herd of bull and four females, over one year—1, W. C. Edwards & Co.; 2, J. A. Crerar; 3, T. E. Robson. Three females, bred and owned by exhibitor—1, J. A. Crerar; 2, W. C. Edwards & Co.; 3, Goodfellow Bros. Bull and three of his get, owned by exhibitor—1, W. D. Platt, Spicy Marquis; 2, W. C. Edwards & Co., Marquis of Zenda; 3, John Dryden & Son, Prince Gloucester. Cow and two of her progeny—1, W. C. Edwards & Co., Missie 153rd; 2, Goodfellow Bros., Water Cress; 3, J. A. Crerar, Gem of Ballechin 2nd. Steer sired by Shorthorn bull and under two years, calved before Jan. 1, 1902—1 and 2, James Leask, Greenbank. Steer sired by Shorthorn bull, calved on or after

One in Four Has Piles

For Which Dr. Chase's Ointment is an Absolute and Guaranteed Cure.

One person in every four suffers more or less from itching piles. Some do not know the nature of their ailment, and others have not heard of Dr. Chase's Ointment as the only absolute and guaranteed cure for this distressing disease. If you are a sufferer from piles, pinworms, or any itching skin disease, ask your neighbor about this great preparation. It has grown popular as a result of the news of its merits being passed from friend to friend. The portrait and signature of Dr. A. W. Chase, the famous recipe-book author, are on every box.

Jan. 1, 1902—1, James Leask; 2, A. Hales, Guelph; 3, J. Fried & Son, Roseville. Steer calf, sired by Shorthorn bull, under one year old—1 and 2, J. Fried & Son. Steer calf, sired by Shorthorn bull, calved on or after Jan. 1, 1903—J. Fried & Son.

HEREFORDS.—Bull, three years old and upwards—1, W. H. Hunter, the Maples, Spartacus; 2, The F. W. Stone Stock Co., Guelph, Baronet. Bull, one year old—1, W. H. Hunter, Diplomacy. Bull calf, under one year—1, W. H. Hunter, Orion; 2, Stone Stock Co.; 3, W. H. Hunter, Marksman. Bull, any age—1, W. H. Hunter, Spartacus. Cow, four years old and upwards—1 and 3, W. H. Hunter; 2, Stone Stock Co. Cow, three years old—1, W. H. Hunter; 2, Stone Stock Co. Heifer, two years old—1, Stone Stock Co.; 2, W. H. Hunter. Heifer, one year old—1, W. H. Hunter; 2, Stone Stock Co.; 3, W. H. Hunter. Heifer calf, under one year—1, Stone Stock Co.; 2 and 3, W. H. Hunter. Herd, consisting of one bull and four females, over one year—1 and 3, W. H. Hunter; 2, Stone Stock Co. Sweepstakes, female, any age—Stone Stock Co.

ABERDEEN ANGUS.—Bull, three years and upwards—1, James Bowman, Guelph, Prince of Benton; 2, Walter Hall, Washington, Klondyke of the Burn; 3, W. R. Stewart, Lucasville, Scots. Bull, two years old—1, W. R. Stewart, Sir Wilfrid. Bull, one year old—1, James Bowman, Elm Park Laird 6th; 2, W. R. Stewart, Duke of York. Bull calf, under one year—1 and 2, James Bowman; 3, W. R. Stewart, Emlin II. Bull, any age—James Bowman, Prince of Benton. Cow, four years and upwards—1 and 2, Walter Hall; 3, W. R. Stewart. Cow, three years old—1 and 2, Walter Hall; 3, James Bowman. Heifer, two years old—1 and 2, James Bowman; 3, W. R. Stewart. Heifer, one year old—1, Walter Hall; 2 and 3, James Bowman. Heifer calf, under one year—1 and 3, James Bowman; 2, W. R. Stewart. Herd, consisting of one bull and four females, over one year old—1, Walter Hall; 2, James Bowman; 3, W. R. Stewart. Female, any age—Walter Hall.

GALLOWAYS.—Bull, three years old and upwards—1, D. McCrae, Guelph, Cedric IV.; 2, Shaw & Marston, Brantford, Viceroy of Castle Milk; 3, D. McCrae, Victory. Bull, two years old—D. McCrae, Wedholme. Bull, one year old—D. McCrae, Sailor Prince. Bull calf, under one year—1, Shaw & Marston, King Vick; 2, D. McCrae, Celtic; 3, D. McCrae, Cedric V. Bull, any age—D. McCrae, Cedric IV. Cow, four years old and upwards—1, Shaw & Marston; 2 and 3, D. McCrae. Cow, three years old—1, Shaw & Marston; 2 and 3, D. McCrae. Heifer, two years old—1 and 2, D. McCrae. Heifer, one year old—1 and 3, Shaw & Marston; 2, D. McCrae. Heifer calf, under one year—1, Shaw & Marston; 2, D. McCrae. Herd of one bull and four females, over one year old—1, Shaw & Marston; 2 and 3, D. McCrae. Sweepstakes, female, any age—Shaw & Marston, Belle B. II.

HOLSTEINS.—Bull, three years and upwards—1, A. C. Hallman, Breslau, Judge Akkrum's De Kol; 2, Rettie Bros., Norwich, Schulling's De Kol; 3, G. W. Clemons, St. George, Count Mink Mercedes. Bull, two years old—1, Rettie

(Continued on next page.)

Dominion Exhibition, Toronto, Prize List—Continued.

Bros. Sir Pietertje Acme; 2, G. W. Clemons, Count of Maple Hill; 3, R. F. Heicks, Newtonbrook, Roosevelt Bull, one year old—1, James Rettie, Norwich, Cornelia's Posch; 2, A. C. Hallman, Cornelia's Neth De Kol; 3, W. W. Brown, Lyn, Patty's Emperor Joseph. Bull calf, under one year—1, James Rettie, Artis Mercedes Posch; 2, A. C. Hallman, Sir Netherland De Kol; 3, W. W. Brown, Sir Waldorf's De Kol. Bull calf, calved after Jan. 1, 1903—1, A. C. Hallman, Sir Netherland De Kol; 2, James Rettie, Artis Pietertje Posch; 3, A. C. Hallman, Sir Donald De Kol. Bull, any age—A. C. Hallman, Judge Akkrum's De Kol. Cow, four years old and upwards—1, James Rettie, Artis Mink Mercedes; 2, R. H. Heicks, Paforit; 3, A. C. Hallman, Queen Hengerveld; 4, S. Macklin, Streetsville, Aggie Tenson. Cow, three years old—1, W. W. Brown, Car Born De Kol; 2, James Rettie, Mercena 3rd; 3, A. C. Hallman, Abbie De Kol; 4, A. C. Hallman, Eugenie De Kol. Heifer, two years old—1, James Rettie, Artis Pietertje's Poem; 2, W. W. Brown, Pauline De Kol, Bergysma; 3, A. C. Hallman, Abbey De Kol; 4, W. W. Brown, Sara Jewel Hengerveld. Heifer, one year old, in milk—1, James Rettie, Mercena Schuiling; 2, W. W. Brown, Pietertje Abbekerk; 3, W. W. Brown, Empress of Lyn Dale; 4, S. Macklin, Wm. the 3rd. Heifer, one year old, out of milk—1, James Rettie, Artis Pietertje Poem; 2, James Rettie, Ianthe Jewel Mechthilde; 3, A. C. Hallman, Polyanthus De Kol's Beauty. Heifer calf, under one year—1, James Rettie, Pietertje Schuiling; 2, S. Macklin, Flora Pietertje Beets; 3, A. C. Hallman, Margaret De Kol. Heifer calf, calved after Jan. 1, 1903—1, James Rettie; 2, G. W. Clemons; 3, W. W. Brown. Four animals, the progeny of one bull, to be under two years—1, James Rettie; 2, A. C. Hallman; 3, W. W. Brown; 4, A. C. Hallman. Herd of one bull and four females, over one year old—1, S. Macklin; 2, James Rettie; 3, A. C. Hallman; 4, G. W. Clemons. Young herd of one bull and four females, one year old and under three—1, James Rettie; 2, W. W. Brown; 3, A. C. Hallman; 4, G. W. Clemons. Female, any age—W. W. Brown, Car Born De Kol.

AYRSHIRES.—Bull, three years old and upwards—1, W. W. Ogilvie, Lachine Rapids, Que., Black Prince of Whitehall; 2, Wm. Stewart & Son, Menie, Hover-a-Blink; 3, A. Hume & Co., Menie, Prince of Barcheskie. Bull, two years old—1, Robt. Hunter & Sons, Maxville, Lessnessock King of Beauty; 2, Robt. Reford, Ste. Anne de Bellevue, Howie's Fizzaway; 3, W. M. Smith, Scotland, Polar Star; 4, Robt. Reford. Bull, one year old—1, Alex. Hume & Co., Lessnessock Royal Star; 2, Robt. Hunter, First Choice of Glenora; 3, Robt. Reford, Glencairn 4th of St. Annes. Bull calf, under one year—1, W. W. Ogilvie, Lachine Rapids, Sensation of Glenora; 2, Alex. Hume & Co., Lord Lionel; 3, Wm. Stewart & Son, Heather Lee. Bull calf, calved after Jan. 1, 1903—1, Robt. Reford, Right Away of Ste. Annes; 2, Robt. Hunter & Sons, Chum of Springhill; 3, Wm. Stewart & Son, Aberdeen. Bull, any age—W. W. Ogilvie, Black Prince of Whitehall. Cow, four years old and upwards—1, Robt. Reford, Blue Bell of Hillhouse; 2, Robt. Hunter & Sons, Garehough Queen of the Soncies; 3, Robt. Reford, Aunt Sally of Ste. Annes. Cow, three years old—1, Mrs. W. E. H. Massey, Coleman, Lost Chord of Dentonia; 2, J. G. Clark, Ottawa, Silver Pet of Woodroffe; 3, Robt. Hunter & Sons, Kirtland Sparrow; 4, Robt. Reford, Lillian Mary. Cow, dry, in calf, any age—1, Robt. Reford, White Pina of Ste. Annes; 2, Robt. Hunter & Sons, Dewdrop of Springhill; 3, W. Stewart & Son, Lady Ottawa. Heifer, two years old—1, Robt. Hunter & Sons, Lessnessock Fairy; 2, Robt. Hunter & Sons, Lessnessock Fairy; 3, Wm. Stewart & Son, Heather Lee. Heifer, one year old, in milk—1, Robt. Reford, White Pina of Ste. Annes; 2, Robt. Hunter & Sons, Dewdrop of Springhill; 3, W. Stewart & Son, Lady Ottawa. Heifer, one year old, out of milk—1, Robt. Reford, White Pina of Ste. Annes; 2, Robt. Hunter & Sons, Dewdrop of Springhill; 3, W. Stewart & Son, Lady Ottawa. Heifer calf, under one year—1, Robt. Reford, White Pina of Ste. Annes; 2, Robt. Hunter & Sons, Dewdrop of Springhill; 3, W. Stewart & Son, Lady Ottawa. Heifer calf, calved after Jan. 1, 1903—1, Robt. Reford, White Pina of Ste. Annes; 2, Robt. Hunter & Sons, Dewdrop of Springhill; 3, W. Stewart & Son, Lady Ottawa.

PANDORA RANGE



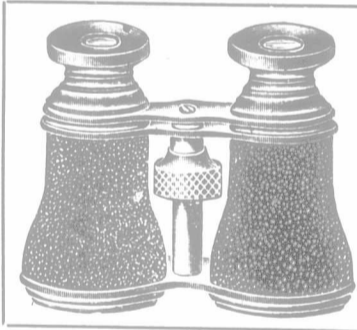
BURNS COAL, COKE OR WOOD.

Is specially suitable for farm-home cooking. Both coal and wood grates are always supplied, and they can be exchanged in five minutes. The operation is very simple, and the only tool required is a screwdriver. Oven is large, ventilated, fitted with thermometer, lined with sheet steel, and is a perfect baker. Reservoir is stamped in one piece from sheet steel, and enameled. No other range is fitted with enameled reservoir. Write for Free Booklet.

MCCLARY'S

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER; ST. JOHN, N. B.

\$5 FIELD GLASSES FOR ONLY \$2.49



Only 8 doz. pair to sell at this price.

These Glasses are genuine French make, and were specially imported into this country for cur use. They are finely made throughout of good material and nicely finished with black japanned and nickleed trimmings. Tubes are covered

with fine black morocco, and are fitted with four extra powerful, finely-ground lenses of high magnifying power and clear definition. When the tubes are fully extended the glass measures 4 1/2 inches, and when closed fits snugly into a satin-lined, black morocco case, provided with a long leather carrying strap. We specially recommend this glass to farmers, ranchmen, hunters and sailors, as it is of good magnifying power, is neat and substantially made, and can be carried conveniently in the pocket. The reason we can sell them so cheap is because we buy direct from the manufacturers in large quantities for spot cash, and thus save the jobbers', wholesalers' and retailers' profit, also the cash discount. If you think you would prefer to see and examine the glass before you can have a careful examination. If you then find it is just as we represent it, pay the express agent \$2.49 and charges, otherwise NOT ONE CENT. If there is no express office near you, or if you prefer to save express charges, remit \$2.49 cash and 20c. extra for postage, and we will forward the glasses by mail and GUARANTEE SAFE DELIVERY. If when the glasses arrive you are not perfectly satisfied with them, you may return them at our expense and we will cheerfully refund your money. We wish you to understand clearly that you run no risk whatever. Please remember we have only 8 dozen pairs of these glasses, so that it will be necessary for you to write at once if you wish to secure a pair. "Paid in advance" orders will, of course, be filled first in case the stock should run low. Address THE NATIONAL TRADING CO., Dept. 559, TORONTO.

Dairymen's Pride; 4, Robt. Reford, Statoly II. of Ste. Annes. Heifer calf, calved after Jan. 1, 1903—1, Robt. Reford, Little Marion; 2, Alex. Hume & Co., Mistletoe; 3, Alex. Hume & Co., Mollie's Jewel; 4, Alex. Hume & Co., White Heather. Four animals, the progeny of one bull, bred and owned by exhibitor—1, Robt. Reford; 2, Alex. Hume & Co.; 3, Robt. Reford. Herd of one bull and 3 heifers, under two years old, owned by exhibitor—1, Alex. Hume & Co.; 2, Robt. Reford; 3, J. G. Clark. Herd of one bull, any age, two females over three years old, one female over two, and one female under two, owned by exhibitor—1, Robt. Reford; 2, Robt. Hunter & Sons; 3, Robt. Reford. Female, any age—Mrs. W. E. H. Massey, Coleman, Lost Chord of Dentonia. Female, any age—Mrs. W. E. H. Massey, Coleman, Lost Chord of Dentonia. Female, any age—Mrs. W. E. H. Massey, Coleman, Lost Chord of Dentonia.

In all the Provinces of Canada

FROM VANCOUVER ISLAND TO CAPE BRETON, THE

Larimer Ditching Plow

is operating. It is the most satisfactory, inexpensive and reliable implement for the work in the world. All information from

Scott Bros., Williamstown, Ont.

WANTED by a young man, a position on a stock farm (sheep farm preferred) cage by month, or longer if desired. State wages and particulars of work. Address Box 350, Perth, Ont.

ton, Blue Blood; 2, Mrs. W. E. H. Massey, Coleman, Lord of Dentonia. Bull, two years old—1, Mrs. W. E. H. Massey, Arthur's Golden Fox; 2 and 3, B. H. Bull & Son, Brampton Emperor. Bull, one year old—1, B. H. Bull & Son, Brampton Nameless King; 2, B. H. Bull & Son, Brampton Monarch; 3, B. H. Bull & Son, Brampton Mack. Bull calf, under one year—1, B. H. Bull & Son, Brampton Monarch; 2, B. H. Bull & Son, Brampton Baronet; 3, Mrs. W. E. H. Massey, Squire Darling. Bull calf, calved after Jan. 1, 1903—1, Mrs. W. E. H. Massey; 2 and 3, B. H. Bull & Son. Bull, any age—B. H. Bull & Son, Blue Blood. Cow, four years and upwards—1, Mrs. W. E. H. Massey, Queen May of Greenwood; 2, Mrs. W. E. H. Massey, Gussie of Courtier; 3, B. H. Bull & Son, Sunbeam of Brampton; 4, B. H. Bull & Son, Minette of Brampton. Cow, three years old—1, William Willis, Newmarket, Dolly of Pine Ridge; 2, B. H. Bull & Son, Blanche's Golden Lass; 3, B. H. Bull & Son, Brampton's Monarch; 4, Mrs. W. E. H. Massey, Minerva of Sunnylea. Heifer, two years old—1, Mrs. W. E. H. Massey; 2, B. H. Bull & Son; 3, Mrs. W. E. H. Massey; 4, B. H. Bull & Son. Heifer, one year old, in milk—1 and 2, B. H. Bull & Son; 3 and 4, Mrs. W. E. H. Massey. Heifer, one year old, out of milk—1 and 3, B. H. Bull & Son; 2 and 4, Mrs. W. E. H. Massey. Heifer calf, under one year old—1, B. H. Bull & Son; 2, 3 and 4, Mrs. W. E. H. Massey. Heifer calf, calved after Jan. 1, 1903—1 and 2, Mrs. W. E. H. Massey; 3, Wm. Willis; 4, B. H. Bull & Son. Four animals, the progeny of one bull, owned and bred by exhibitor—1, 2 and 4, B. H. Bull & Son; 3, Mrs. W. E. H. Massey. Herd of one bull and three heifers, under two years old, heifers to be bred by exhibitor and owned by him—1 and 2, B. H. Bull & Son; 3, Mrs. W. E. H. Massey; 4, Wm. Willis. Herd of one bull any age, two females, over three years, one female over two and under three, one female over one and under two, and one female under one year, owned by exhibitor—1 and 3, Mrs. W. E. H. Massey; 2 and 4, B. H. Bull & Son. Female, any age—Mrs. Massey, Flying Fox Brunette, first-prize two-year old.

GERNSEYS.—Bull, three years old and upwards—Mrs. W. E. H. Massey, Coleman, Island Heirloom. Bull, one year old—Mrs. W. E. H. Massey. Bull calf, under one year—Mrs. W. E. H. Massey. Bull, any age—Mrs. W. E. H. Massey. Cow, four years old and upwards—1, Mrs. W. E. H. Massey, Jessica; 2, Mrs. W. E. H. Massey, Lady Honesty; 3, Mrs. W. E. H. Massey, Sarah of Isleigh. Cow, three years old—1, Mrs. W. E. H. Massey, Good Style; 2, Mrs. W. E. H. Massey, Yours Truly; 3, Mrs. W. E. H. Massey, Isleigh Rita. Heifer, two years old—1 and 2, Mrs. W. E. H. Massey. Heifer, one year old—Mrs. W. E. H. Massey. Heifer calf, under one year—1 and 2, Mrs. W. E. H. Massey. Heifer calf, calved after Jan. 1, 1903—1 and 2, Mrs. W. E. H. Massey. Herd of one bull and four females, over one year old—1 and 2, Mrs. W. E. H. Massey. Female, any age—Mrs. W. E. H. Massey, Jessica.

SHEEP.

COTSWOLDS.—Ram, two shears and over—1 and 3, E. F. Park, Burgessville; 2, J. C. Ross, Jarvis. Shearing ram—1 and 2, J. C. Ross; 3, E. F. Park, Ram lamb—1 and 3, J. C. Ross; 2, E. F. Park. Ram, any age—1, E. F. Park. Ewe, two shears and under three—1, J. C. Ross; 2 and 3, E. F. Park. Shearing ewe—1 and 2, J. C. Ross; E. F. Park. Ewe lamb—1 and 2, J. C. Ross; 3, E. F. Park. Ewe, any age—1, J. C. Ross. Pen of ram lamb and three ewe lambs, bred by exhibitor—1, E. F. Park. Pen of one ram and two ewes (one year and under), and two ewe lambs—1, J. C. Ross; 2, E. F. Park. Pen, Canadian-bred and not shown in Sec. 10—1, E. F. Park; 2, J. C. Ross. Best pen of four lambs of either sex, bred by exhibitor—1, E. F. Park.

SHROPSHIRE.—Ram, two shears and over—1, John Campbell, Woodville; 2, Lloyd-Jones Bros., Burford; 3, J. G. Hamner, Brantford. Shearing ram—1, Alfred Tanner, Stouffville; 2 and 3, J. G. Hamner. Ram lamb—1, J. G. Hamner; 2 and 3, John Campbell. Best ram, any age—1, Alfred Tanner. Ewe, two shears and under three—1 and 3, J.

(Continued on next page.)

Important Dispersion Sale OF Scotch-bred Shorthorns

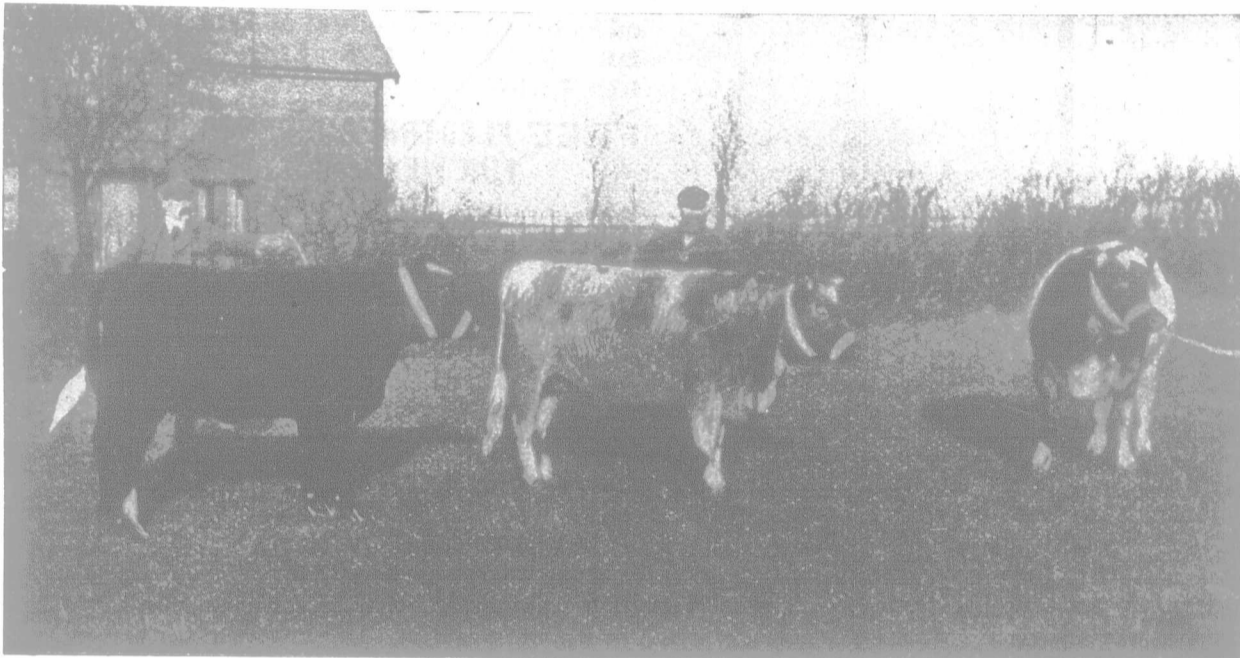
In the Drill Hall in the town of

WHITBY, ONT.,

on Wednesday, Oct. 14th,

80 HEAD OF HIGH-CLASS SHORTHORNS

This offering affords an opportunity to secure animals of the choicest breeding, a number being imported from Scotland.



On Thursday, Oct. 15th, at place of residence,

MYRTLE, ONT., 17 CLYDESDALE MARES, FILLIES AND YOUNG STALLIONS,

ten of the mares in foal to Imp. McQueen and Imp. Lavender.

The entire herd and stud will be sold without reserve. Catalogues will be mailed on application to

JOHN BRIGHT, Myrtle, Ont.

Auctioneers: Levi Fairbanks, Whitby; Geo. Jackson, Port Perry; Capt. T. E. Robson, Iderton.

Dominion Exhibition, Toronto, Prize List—Continued.

G. Hanmer; 2, John Campbell. Shearling ewe—1, Alfred Tanner; 2 and 3, John Campbell. Ewe lamb—1 and 2, John Campbell; 3, J. G. Hanmer. Best ewe, any age—1, Alfred Tanner. Pen of one ram lamb and three ewe lambs, bred by exhibitor—1, John Campbell. Pen of one ram, two ewes (one year and under three), and two ewe lambs—1, J. G. Hanmer; 2, John Campbell. Pen of Canadian-bred, not shown in Sec. 10—1, John Campbell; 2, J. G. Hanmer. Best flock, one year old and over, one ram and three ewes—1, John Campbell; 2, J. G. Hanmer; 3, W. S. Carpenter. Best flock of four registered lambs—1, John Campbell; 2, J. G. Hanmer; 3, W. S. Carpenter. Sweepstakes (American-bred): Best ram, any age—1, John Campbell. Best ewe, any age—1, J. G. Hanmer.

LEICESTERS.—Ram, two shears and over—1, A. W. Smith, Maple Lodge; 2, Chas. F. Maw, Omagh; 3, A. W. Smith. Shearling ram—1 and 2, A. W. Smith; 3, Hastings Bros., Crosshill. Ram lamb—1, Chas. F. Maw; 2, A. W. Smith; 3 and 4, John Kelly, Shakespeare. Best ram, any age—A. W. Smith. Ewe, two shears and under 3—1, A. W. Smith; 2, Chas. F. Maw; 3, John Kelly. Shearling ewe—1 and 2, A. W. Smith; 3, Chas. F. Maw. Ewe lamb—1, Hastings Bros.; 2 and 3, John Kelly; 4, Chas. F. Maw. Best ewe, any age—A. W. Smith. Pen of ram lamb and three ewe lambs, bred by exhibitor—John Kelly. Pen of one ram, two ewes, one year and under three, and two ewe lambs—1, A. W. Smith; 2, John Kelly. Pen of Canadian-bred, not shown in section ten, one ram, two ewes and two ewe lambs—1, A. W. Smith; 2, Chas. F. Maw. Specials offered by A. L. B. A. for best flock of Leicesters—1, A. W. Smith; 2, Hastings Bros.

LINCOLNS.—Ram, two shears and over—1 and 3, J. T. Gibson, Denfield; 2, R. H. Gibson, Denfield. Shearling ram—1 and 2, J. T. Gibson; 3, R. H. Gibson. Ewe lamb—1, 3 and 4, J. T. Gibson; 2, R. H. Gibson. Best ewe, any age—J. T. Gibson. Pen of one ram

Extensive Auction Sale.

Under instructions from the Minister of Agriculture,

A PUBLIC SALE OF SUPERIOR PURE-BRED LIVE STOCK

will be held at the

ONTARIO AGRICULTURAL COLLEGE, GUELPH, ONT., ON WEDNESDAY, OCTOBER 21st, 1903.

SHORTHORN, HOLSTEIN AND JERSEY CATTLE. SHROPSHIRE, OXFORD, LEICESTER SHEEP. YORKSHIRE AND TAMWORTH SWINE.

For catalogue and further particulars apply to

G. E. DAY, Professor of Agriculture, Guelph.
JAMES MILLS, M. A., President.

lamb, two ewe lambs, bred by exhibitor—J. T. Gibson. Pen of one ram, two ewes, one year and under three, and two ewe lambs—J. T. Gibson. Pen of Lincoln, Canadian-bred, not shown in section ten—1, J. T. Gibson; 2, R. H. Gibson.

OXFORD DOWNS.—Ram, two shears and over—1 and 2, Henry Arkell, Arkell. Shearling ram—1, 2 and 3, Henry Arkell. Ram lamb—1 and 2, Henry Arkell; 3 and 4, J. W. Lee & Sons, Simcoe. Best ram, any age—Henry Arkell. Ewe, two shears and under three—1 and 2, Henry Arkell; 3, J. W. Lee & Sons. Shearling ewe—1 and 2, Henry Arkell; 3, J. W. Lee & Sons. Ewe lamb—1, 2 and 3, Henry Arkell; 4, J. W. Lee & Sons. Best ewe, any age—Henry Arkell.

Pen of one ram and three ewe lambs—J. W. Lee & Sons. Pen of one ram, two ewes, one year old, and two ewe lambs—1 and 2, Henry Arkell. Pen of Canadian-bred, not shown in section ten—1 and 2, Henry Arkell. Shearling ram—1 and 2, Henry Arkell; 3, J. W. Lee & Sons. Shearling ewe—1 and 2, Henry Arkell; 3, J. W. Lee & Sons. Pen of lambs, either sex—1, R. J. Hine, Dutton; 2, Henry Arkell; 3, J. W. Lee & Sons.

SOUTH DOWNS.—Ram, two shears and over—1, John Jackson & Sons, Abingdon; 2 and 3, Hon. Geo. A. Drummond, Pointe Claire, Que. Shearling ram—1, Telfer Bros., Paris; 2, Hon. Geo. A. Drummond; 3, John Jackson & Sons. Ram lamb—1, Telfer Bros.; 2, Robert

McEwen, Byron; 3, John Jackson & Sons; 4, Hon. Geo. A. Drummond. Best ram, any age—Telfer Bros. Ewe, two shears and under three—1, Telfer Bros.; 2 and 3, Hon. Geo. A. Drummond. Shearling ewe—1, 2 and 3, Telfer Bros. Ewe lamb—1 and 2, Telfer Bros.; 3, Hon. Geo. A. Drummond; 4, Telfer Bros. Best ewe, any age—Telfer Bros. Pen of one ram and three ewe lambs, bred by exhibitor—Hon. Geo. A. Drummond. Pen of one ram, two ewes, one year and under three, and two ewe lambs—1, Telfer Bros.; 2, Hon. Geo. A. Drummond. Pen of Canadian-bred, not shown in section ten—1, Hon. Geo. A. Drummond; 2, Telfer Bros. Best aged ram—1, John Jackson & Sons; 2, Hon. Geo. A. Drummond. Best shearling ewe—1, Telfer Bros.; 2, Hon. Geo. A. Drummond. Best ewe lamb—1, Hon. Geo. A. Drummond; 2, Telfer Bros. Best four lambs, get of one ram—1, Hon. Geo. A. Drummond; 2, Telfer Bros.

HAMPSHIRE AND SUFFOLKS.—Ram, two shears and over—1, John Kelly, Shakespeare. Shearling ram—1 and 2, John Kelly. Ram lamb—1, Robt. Miller, Stouffville; 2, Telfer Bros., Paris. Ram, any age—1, Robt. Miller. Ewe, two shears and under three—1 and 2, John Kelly. Ewe, shearling—1, Telfer Bros. Ewe lamb—1, Robt. Miller; 2, John Kelly. Ewe, any age—1, John Kelly. Pen of one ram, two ewes (one year and under three), and two ewe lambs—1, John Kelly. Pen of Canadian-bred, not shown in Sec. 10, etc.—1, John Kelly.

FAT SHEEP.—Wether, under two years, long-woolled breed—1, Hastings Bros., Crosshill; 2 and 3, J. T. Gibson, Denfield. Wether, under one year, long-woolled breed—1, John Kelly; 2, White-law Bros., Guelph. Wether, under two years, short-woolled breed—1 and 2, Hon. Geo. A. Drummond, Pointe Claire, Que.; 3, Telfer Bros. Wether, under one year, short-woolled breed—1, Hon. Geo. A. Drummond; 2 and 3, John Campbell.

(Continued on next page.)

Dominion Exhibition, Toronto, Prize List—Continued.

SWINE.

BERKSHIRES.—Boar, over two years—1, W. H. Durham, East Toronto; 2, Wm. Wilson, Snelgrove; 3, Thomas Teasdale, Concord. Boar, over one and under two—1, Wm. Wilson; 2, W. H. Durham; 3, P. W. Boynton, Dollar. Boar, under one year—1, Wm. Wilson; 2, W. H. Durham; 3, W. Wilson. Boar, under six months—1, Wm. Wilson; 2, W. H. Durham; 3, Thomas Teasdale. Sow, over two years—1, W. H. Durham; 2, Wm. Wilson; 3, T. A. Cox, Brantford. Sow, over one year and under two—1, W. H. Durham; 2, W. Wilson; 3, T. A. Cox. Sow, over six months and under twelve—1, W. H. Durham; 2 and 3, Wm. Wilson. Sow, under six months—1, Wm. Wilson; 2, T. A. Cox; 3, Thomas Teasdale. Best boar and two sows, any age—1, W. H. Durham; 2, Wm. Wilson; 3, T. A. Cox. Four pigs, the get of one boar, under six months, bred and owned by exhibitor—1, Wm. Wilson; 2, Thomas Teasdale. Four pigs, the product of one sow, under six months—1, Wm. Wilson; 2, Thomas Teasdale. Sweepstakes: Best boar and best sow—W. H. Durham.

LARGE YORKSHIRES.—Boar, over two years—1 and 2, D. C. Flatt & Son, Millgrove; 3, R. F. Duck & Son, Port Credit. Boar, over one year and under two—1, Duck & Son; 2 and 3, Flatt & Son. Boar, over six months and under twelve—1, Flatt & Son; 2 and 3, Featherston & Sons, Streetsville. Boar, under six months—1 and 2, Flatt & Son; 3, Featherston & Son. Sow, over two years—1 and 2, Flatt & Son; 3, Duck & Son. Sow, over one year and under two—1, 2 and 3, Flatt & Son. Sow, over six months and under twelve—1 and 2, Flatt & Son; 3, Duck & Son. Sow, under six months—1, 2 and 3, Flatt & Son. Best boar and two sows of any age—1 and 2, Flatt & Son; 3, Duck & Son. Four pigs, under six months, the get of one boar—1 and 2, Flatt & Son. Four pigs, under six months, the product of one sow—1 and 2, Flatt & Son. Sweepstakes: Best boar and best sow—Flatt & Son.

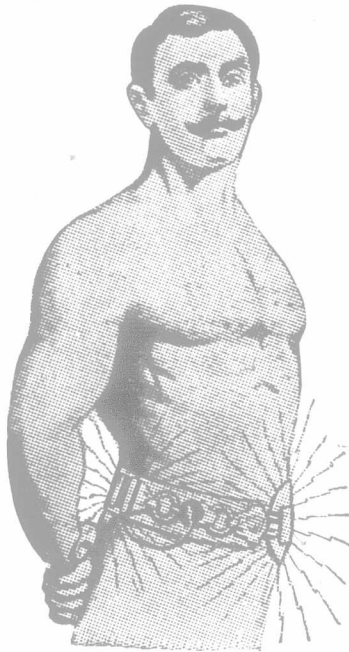
TAMWORTHS.—Boar, over two years—1, Colwill Bros., Newcastle; 2, D. Douglas & Sons, Mitchell; 3, R. J. Speers, Elmbank. Boar, over one year and under two—1 and 2, Douglas & Sons; 3, Colwill Bros. Boar, over six months and under twelve—1 and 2, Douglas & Sons; 3, Colwill Bros. Boar, under six months—1, Colwill Bros.; 2 and 3, Douglas & Sons. Sow, over two years—1, Douglas & Sons; 2 and 3, Colwill Bros. Sow, over one year and under two—1 and 2, Douglas & Sons; 3, Colwill Bros. Sow, over six months and under twelve—1 and 2, Douglas & Sons; 3, Colwill Bros. Sow, under six months—1 and 2, Douglas & Sons; 3, Colwill Bros. Best boar and two sows, any age—1 and 3, Douglas & Sons; 2, Colwill Bros. Four pigs, under six months, the get of one boar—1, Colwill Bros.; 2, Douglas & Sons. Four pigs, under six months, the product of one sow—1, Colwill Bros.; 2, Douglas & Sons. Sweepstakes: Boar—Colwill Bros. Sow—Douglas & Sons.

CHESTER WHITES. Boar, over two years—1, W. E. Wright, Glanworth. Boar, over one year and under two—1, Daniel De Courcy, Barnholm; 2, R. H. Harding, Thornhill. Boar, over six months and under twelve—1, Wright. Boar, under six months—1, D. De Courcy; 2, R. H. Harding. Sow, over one year and under two—1, D. De Courcy; 2, W. E. Wright. Sow, over six months and under twelve—1, W. E. Wright; 2, W. E. Wright. Sow, under six months—1, D. De Courcy; 2, Wm. Wilson. Best boar and two sows, any age—1, D. De Courcy; 2, R. H. Harding; 3, Wm. Wilson. Four pigs, under six months, the get of one boar—1, D. De Courcy; 2, R. H. Harding; 3, Wm. Wilson. Four pigs, under six months, the product of one sow—1, D. De Courcy; 2, R. H. Harding; 3, Wm. Wilson. Sweepstakes: Boar—W. E. Wright.

MEN! LOOK HERE

Do You Suffer From

LOST STRENGTH



Nervous Debility, Varicocele, Early Decay and Waste of Strength? They are quickly and forever cured by the Grand Product of Nature, DR. McLAUGHLIN'S ELECTRIC BELT with

FREE ELECTRIC SUSPENSORY FOR WEAK MEN.

Do you want to feel as vigorous as you were before you wasted your strength? To enjoy life again? To get up in the morning refreshed by sleep, and not more tired than when you go to bed? To have no weakness in the back, or "come and go" pains? No Indigestion or Constipation? To know that your manly strength is not slipping away? To once more have bright eyes, healthy color in your cheeks, and be confident

that what other men can do is not impossible to you? In short, do you want to be a man among men? I can make you all this because I have done it to others.

Thousands Will Tell You the Same.

Your Electric Belt proved a complete success in my case. I would not part with it for double what it cost. It has been a pleasure to me to recommend your Belt to many inquirers, both by letter and those calling on me personally. **JAS. CAIRNS, Chesley, Ont.**

I cannot speak too highly of your Belt; in fact, it speaks for itself. Every one that I know tells me how I have improved. I must say that I have gained about ten pounds. **E. ELDRIDGE, 111 Niagara Street, Toronto.**

I write these few lines to tell you that I am all right now. I feel like a young boy. I am glad I got this Belt from you. **SAM SMITH, Woodstock, Ont.**

I could hardly eat or sleep or ride in a car, as I was suffering from a severe pain in the back, and had sometimes to rise several times in the night. I had doctored for it and taken lots of medicine, but received no benefit. After I had worn your belt for a month I was in good shape and free from pain or ache, and I have gained 30 pounds in weight. Yours very truly, **W. H. LEE, Aurora, Ont.**

If you are suffering from Nervous Debility, Lame Back, Lumbago, Sciatica, Indigestion, Constipation, or any weakness caused by ignoring the laws of nature, I will guarantee to cure you with my New Belt, the marvel of electricians, the most wonderful curative device that has ever been introduced.

I TAKE ALL CHANCES.

All I ask is reasonable security that I will get my pay after you are cured. I will send you my New Belt with its Electric Suspensory and all attachments necessary for your case, and you can

PAY WHEN CURED.

READ WITH CARE. Every patient wearing Dr. McLaughlin's Electric Belt receives free until cured the advice of a physician who understands his case. Positively the only Electric Belt sold which has a practical physician in attendance.

FREE BOOK. I have a book which every man should read (one for women also). It tells of facts that are of interest to every man who wants to remain young in vitality at any age. If possible call and let me show you how my Belt cures. I will talk over your case with you. **CONSULTATION FREE.** If you can't call send for my Book. I mail it to you closely sealed free.

DR. M. S. McLAUGHLIN, 130 Yonge St., TORONTO, ONT.

DUROC-JERSEYS.—Boar, over one year and under two—1, W. M. Smith, Scotland. Boar, over six months and under twelve—1, J. C. Smith, Fairfield Plains; 2, W. M. Smith. Boar, under six months—1, W. M. Smith; 2, J. C. Smith. Sow, over two years—1, W. M. Smith; 2, J. C. Smith. Sow, over one year and under two—1, W. M. Smith; 2, J. C. Smith. Sow, over six months and under twelve—1, W. M. Smith. Sow, under six months—1 and 2, W. M. Smith. Best boar and two sows of any age—1, W. M. Smith; 2, J. C. Smith. Four pigs, under six months, the get of one boar—1, W. M. Smith; 2, J. C. Smith. Four pigs, under six months, the product of one sow—1, W. M. Smith; 2, J. C. Smith. Sweepstakes: Best boar and best sow—W. M. Smith.

OTHER DISTINCT BREEDS.—(Essex, Poland-China, etc.)—Boar, over two years—1, W. M. Smith, Scotland; 2, J. Featherston & Son, Streetsville. Boar, over one and under two years—1, Featherston & Son. Boar, over six and under twelve months—1, W. M. Smith; 2, Featherston & Son. Boar, under six months—1, Featherston & Son; 2, J. C. Smith, Fairfield Plains. Sow, over two years—1, Featherston & Son; 2, W. M. Smith. Sow, over one and under two years—1, Featherston & Son; 2, W. M. Smith. Sow, over six and under twelve months—1 and 2, Featherston & Son. Sow, under six months—1, W. M. Smith; 2, J. C. Smith. Boar and two sows, any age—1 and 2, Featherston & Son.

EXPORT BACON HOGS.—Sweepstakes for export bacon—1 and 2, D. C. Flatt & Son; 3, R. F. Duck & Son; 4, W. H. Durham.

Best pen of four export bacon hogs of any breed, cross or grade—1 and 2, D. C. Flatt & Son; 3, R. F. Duck & Son; 4, W. H. Durham; 5, R. F. Duck & Son.

(Continued on next page.)



It would steal into the hardest heart. If you cannot get "DUNDAS AXE" from local stores send us one dollar and we will send you an axe, express prepaid, to any part of Ontario.

The Dundas Axe Works
DUNDAS, CANADA.

GIRLS!

THIS IS THE PRETTIEST DOLL THAT WAS EVER GIVEN AWAY! Don't you want us to give you one? If you do, just send us your name and address, and we will mail you, postpaid, 6 large, beautifully colored pictures, 16 x 20 inches, named "The Angel's Whisper," "Simply to the Cross I Cling," and "The Family Record." These pictures are all handsomely finished in 12 colors, and cannot be bought in any store for less than 50c. You sell them for only 25c, and give a free certificate worth 50c to each purchaser, return us the money and we will give you

THIS BEAUTIFULLY-DRESSED DOLL,

the biggest, prettiest and best-dressed doll ever given away. Dolly has lovely long golden ringlets, rosy cheeks, beautiful blue eyes that open and shut, so that she goes to sleep when you lay her down and wakes up again when you lift her up. She has a very pretty dress, all trimmed with ribbons and lace, a lovely lace hat, dainty little slippers, real stockings and lace-trimmed underwear. This doll is not like many other dolls. She can move her head, arms, hands and feet, can stand up alone or sit in a chair, just as you wish. When you get her you will like her so much that you will never be able to leave her. Mrs. Pearson, Yorkville Ave., Toronto, writes: "My little girl is highly delighted with her beautiful doll, and I am very much pleased with the honest way you treated her. I can hardly get her to lay her Dolly down, she likes it so much." Girls, we have a number of these pretty dolls all packed up, ready to send away. If you write at once we will be mailing you one in a few days. Remember, we do not want you to send us one cent, and we will allow you to keep out money to pay your postage. Address: **The Colonial Art Co., Dept. 576, TORONTO.**



BISQUE DOLL

Salt Sense.

The fame of Windsor Salt grows steadily. It is the highest grade of pure salt. No salt can possibly be purer, whiter, drier or flakier than Windsor Salt.

Windsor Salt.

YEARLING YORKSHIRE BOAR Three young boars, fit for service; young sows in farrow and ready to breed; young pigs, 3 months, both sexes; of choice type and quality. Prices reasonable. **C. W. THURSTON, OAK HEIGHTS, ONT.**

PERSONAL TO SUBSCRIBERS!

NOEL SAYS:

If you are sick with any disease of the Circulation, the Stomach, Liver, Kidneys, Bladder or Throat, VITÆ-ORE WILL CURE YOU!

NOEL is the discoverer of Vitæ-Ore, has been familiar with its wonderful properties for two generations, has watched its remarkable action in thousands upon thousands of cases, and HE OUGHT TO KNOW.

NOEL SAYS he doesn't want your money unless Vitæ-Ore benefits you, and NOEL is old enough to know what he wants.

NOEL SAYS that his superintendents and clerks in his office and laboratory at Toronto have instructions to send a full-sized \$1 package of Vitæ-Ore on thirty days' trial to every sick and ailing reader of this paper who requests it, the receiver to BE THE JUDGE, and not to pay ONE CENT unless fully satisfied with the results obtained, and NOEL is the kind of a man whose orders are carried out. Read his special offer. Here is his SIGNATURE ON IT!




Read This Special Offer.

WE WILL SEND to every subscriber or reader of "The Farmer's Advocate," or worthy person recommended by a subscriber or reader, a full-sized One-Dollar package of VITÆ-ORE, by mail, postpaid, sufficient for one month's treatment, to be paid for in one month's time after receipt, if the receiver can truthfully say that its use has done him or her more good than all the drugs and dopes of quacks or good doctors or patent medicines he or she has ever used. Read this over again carefully, and understand that we ask our pay only when it has done you good, and not before. We take all the risk; you have nothing to lose. If it does not benefit you, you pay us nothing. Vitæ-Ore is a natural, hard, adamant, rock-like substance—mineral—Ore—mined from the ground like gold and silver, and requires about 20 years for oxidation. It contains free iron, free sulphur and magnesium, and one package will equal in medicinal strength and curative value 800 gallons of the most powerful, efficacious mineral water drunk fresh at the springs. It is a geological discovery, to which there is nothing added or taken from. It is the marvel of the century for curing such diseases as Rheumatism, Bright's Disease, Blood Poisoning, Heart Trouble, Dropsy, Catarrh and Throat Affections, Liver, Kidney and Bladder Ailments, Stomach and Female Disorders, La Grippe, Malarial Fever, Nervous Prostration, and General Debility, as thousands testify, and as no one, answering this, writing for a package, will deny after using. Vitæ-Ore has cured more chronic, obstinate, pronounced incurable cases than any other known medicine, and will reach such cases with a more rapid and powerful curative action than any medicine, combination of medicines or doctor's prescription which it is possible to procure. Vitæ-Ore will do the same for you as it has for hundreds of readers of this paper, if you will give it a trial. Send for a \$1 package at our risk. You have nothing to lose but the stamp to answer this announcement. We want no one's money whom Vitæ-Ore cannot benefit. You are to be the judge! Can anything be more fair? What sensible person, no matter how prejudiced he or she may be, who desires a cure and is willing to pay for it, would hesitate to try Vitæ-Ore on this liberal offer? One package is usually sufficient to cure ordinary cases; two or three for chronic, obstinate cases. We mean just what we say in this announcement, and will do just as we agree. Write today for a package at our risk and expense, giving your age and ailments, and mention this paper, so we may know that you are entitled to this liberal offer. This offer will challenge the attention and consideration and afterwards the gratitude of every living person who desires better health or who suffers pains, ills and diseases which have defied the medical world and grown worse with age. We care not for your skepticism, but ask only your investigation, and at our expense, regardless of what ills you have, by sending to us for a package. ADDRESS



VITÆ-ORE
A geological wonder, discovered by Theo. Noel, Geologist, and mined from the ground like GOLD AND SILVER.

THEO. NOEL, Geologist,

F. A. DEPT.
Yonge & Temperance Sts.

TORONTO, ONT.

What M. H. Cochrane Says About Zenoleum Dip:

"I have used Zenoleum as a cattle wash, sheep dip and for the prevention of calf cholera according to directions, and have found it very satisfactory."

M. H. COCHRANE, Hillshurst, Quebec.

Send for copies of "Zenoleum Veterinary Advisor" and "Piggie's Troubles" and see what others say about it. Books mailed free. Sample gallon of Zenoleum \$1.50, express prepaid. Five gallons \$6.25, freight prepaid.
ZENNER DISINFECTANT CO., 113 BATES STREET, DETROIT, MICH.

HIGH-CLASS LEICESTERS

Hastings Bros., of Crosshill, Ont.,

The well-known breeders of Leicester sheep, are now offering for immediate sale a number of RAMS and EWE LAMBS, SHEARLING RAMS and EWES and a few 2-SHEARS of both sexes.

Fine Ridge Jerseys

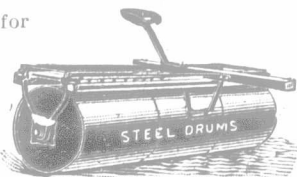
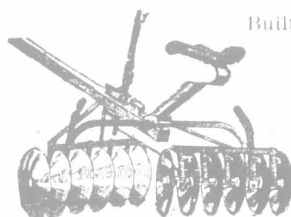
We have for sale several 3-year-olds, with milk records of 40 to 45 lbs. a day; also a few older ones, fit for any show-ring, and producers.
W.M. WILLIS & SON, Newmarket P.O. and Sta.

"BISSELL" DISK HARROWS AND STEEL ROLLERS.

Built for business, with a record for

Durability, Simplicity,

lightness of draft, and great capacity for work. This harrow has several imitators, but no equal. Would you care to know about the "Bissell" Disk in field contests? It will pay you to enquire. Address



T. E. BISSELL, Dept. W., Elora, Ont.

Domlnon Exhibition, Toronto, Prize List—Continued.

DAIRY.

CHEESE. Best two factory, colored—


1. J. S. Isard, Paisley; 2. W. A. Bell, Pine River; 3. Charles Wilkins, Cornwall; 4. W. A. Anderson, Keene. No medals. Best two factory, white—1. Mary Morrison, Newry; 2. G. M. McKenzie, Ingersoll; 3. C. A. Publow, Mud Creek; 4. Parlant Christie, Woodstock. No medals. Best one factory, colored—1. J. S. Isard; 2. J. W. Clarridge, Glen Huron; 3. Chas. Atwood, Arcona; 4. A. E. Gracey, Dorchester; J. P. Anderson, South Dorchester; W. D. Angus, Atwood; W. T. Oliver, Camlachie; Geo. A. Renwick, Villiers; G. M. McKenzie, Ingersoll; silver medals. Best one factory, white—1. C. Chambers, Fullerton (Challenge Trophy); 2. J. W. Clarridge, Glen Huron; 3. J. S. Isard; 4. A. McNair, Mill Bridge; J. R. Almont, Simcoe; Fred H. Gould, Combermere; Chas. E. Ballard, Fort Stewart; W. F. Gerow, Napanee; W. D. Angus, Atwood; E. E. Diamond, Madoc; Jos. W. Johnston, Stanwood; H. S. Nix, Maynooth; Miles Latta, Thomasburg; John H. Anderson, Bancroft; John E. Stacey, Mitchell; Havelock Cheese Co., Havelock, N. B.; Geo. W. Chambers, Eldorado; G. M. McKenzie, Ingersoll; W. Hamilton, Listowel; R. T. Gray, Queensboro; M. Morrison, Harrison; Geo. A. Boyes, Putnam; T. K. White, Drummond Centre; J. L. Thompson, Hawkesville; Jos. Taylor, Campbellford; J. Dilworth, Meyersburg; Thos. Young, Watford; medals. Best three Canadian Stilton—1. G. M. McKenzie, Ingersoll; 2. Connolly Bros., Thamesford; 3. W. F. Gerow, Napanee. Best two Canadian flats—1. C. A. Publow, Mud Creek; 2. Mary Morrison, Newry; 3. Robt. Cuddie, Woodstock. Prizes for syndicate instructor whose factories aggregate highest in secs. 1, 2, 3 and 4—1. W. Herb Morton, Tweed, Ont.; 2. S. P. Brown, Ingersoll. Best collection from factories in any syndicate, all considered—1. W. Herb Morton; 2. Alex. McKay, St. Mary's.

BUTTER.—Best tub or box—1. W. H. Stewart, Frontier, Que. (Challenge Trophy); 2. J. G. Bauchard, St. Hyacinthe, Que.; 3. Robert Ireland, Quyon, Que.; 4. Sleightholm & Rankin, Strathroy. Best fifty pounds creamery, pound rolls or prints—1. J. G. Bauchard, St. Hyacinthe, Que.; 2. F. W. Smith, Beaverton; 3. John McQuaker, Owen Sound; 4. A. C. Reesor, Locust Hill. Best forty pounds creamery, packages—1. Robert Ireland, Quyon, Que.; 2. Geo. Balkwell, Lafontaine, Ont.; 3. John McQuaker, Owen Sound; 4. Sleightholm & Rankin, Strathroy. Best tub, not less than thirty pounds—1. A. D. Delong, Elgin; 2. Miss M. Hunter, Rockton; 3. Geo. W. Gardner, Lyn; 4. Mrs. S. J. Lyons, Norval. Best firkin, crock or tub, not less than twenty pounds—1. W. B. Cockburn, Hamilton; 2. J. M. McKay, Elmbank; 3. Miss M. Hunter, Rockton; 4. W. H. Phillips, Frankford. Best basket, one-pound prints or rolls—1. Miss M. Hunter, Rockton; 2. Mrs. S. J. Lyons, Norval; 3. W. B. Cockburn, Hamilton; 4. D. Stewart, Hampstead. Amateur, for farmers, farmers' wives and daughters, five competitors—1. M. Stonehouse, Port Perry; 2. Miss Mabel Parkinson, Jarvis; 3. Miss Maud Parkinson, Jarvis; 4. C. E. Rodgers, Dorchester. Free for all, five competitors—1. W. B. Cockburn, Hamilton; 2. Miss Maud Parkinson, Jarvis; 3. Miss Janet Stewart, Hampstead; 4. Miss Mabel Parkinson, Jarvis.

The awards in the dairy department were made by Messrs. J. A. Ruddick, G. H. Barr and G. Publow.

WIND POWER.—The Ontario Wind Engine & Pump Co., Toronto, have been favored by the C. P. R. with an order for twelve purification plants in connection with their system. This is an unique order, and is practically preliminary, as others will probably follow when these have been installed and tested. This company has supplied the C. P. R. in the past with many of their "Air-motor" outfits for different points along their lines. This company has also quite a few large municipal outfits in course of erection, and this work is continually increasing, taxing their output to the utmost. The gradual growth in their export trade, as well as the ever-increasing demand of the home trade, forces them to enlarge their plant continually.

From Pole To Equator
ELGIN WATCHES
 run alike



Every Elgin Watch is adjusted to all conditions of heat and cold before leaving the factory.

An illustrated history of the watch sent free upon request to
ELGIN NATIONAL WATCH CO.
 ELGIN, ILL.

GOSSIP.

JOHN BRIGHT'S SHORTHORN SALE.

The dispersion sale, on Oct. 14th, of the entire herd of 80 head of high-class Shorthorns belonging to Mr. John Bright, of Myrtle, to take place at Whitby, Ont., on the date named, will afford an unusually favorable opportunity to secure excellent representative animals of many of the favorite Scotch-bred families. It is rarely indeed in any country that so many desirable members of the most popular tribes are found in one public offering, and it is certain that there will be keen competition on the day of sale for their possession as herd foundations, and for family foundations in many existing herds less fortunate in the character of their composition. An examination of the very complete and comprehensive catalogue, now ready for distribution, shows that there are no fewer than 17 of the famous Miss Ramsden tribe, so highly prized by Mr. Cruickshank and Mr. Duthie, and from which has come so many of the most notable numbers of the breed, including Mr. Deane Willis' Challenge Cup, Mr. Harrison's Bright Archer, and Mr. Kelly's \$6,000 Brave Archer, sire of Royal Archer, the Highland Society champion of this year. Among these is the beautiful imported red three-year-old cow, Spicy Louisa, bred by Mr. Durno, of Jackston, and nursing a capital red bull calf by Chance Shot, of the Cruickshank "J" tribe, by Master of Arts, by Scottish Archer. She was sired by Spicy King, of the Marr-Goldie tribe, and her dam by the Duthie-bred Lord Douglass, a Sittyton Lavender, and she is in calf again to the herd bull, Imp. Royal Archer, a Bruce Rosebud, by Prince of Archers, by Scottish Archer. Clemency 4th, a handsome and smoothly-turned red three-year-old imported cow, sired by Pride of All, a son of Brave Archer, will have a calf before sale by imported Bapton Chancellor, bred by Mr. Deane Willis. She is a Kinellar Clementina, a royal good one, blocky and thick-fleshed, with a grand list of sires in her pedigree. Rose (imp.), a red two-year-old heifer, due to produce before the sale to Imp. Nonpareil Archer, has for sire Kinsman, bred by Mr. Crombie, of Woodend, a son of Czarowitch, whose sire was by Prince of Fashion, one of the best sons of Scottish Archer. She is a straight, smooth, symmetrical and breedily-looking young cow. Imp. Border Lass, a charming roan two-year-old, is in calf to the Marr-bred bull, Chief Ruler (imp.), and her sire, Dynamite, was by Golden Crown, by Chivalrous, a Cruickshank Clipper, by Duke of Wellington.

The Marr-bred animals, which have been bred by Mr. Duthie, as representatives of the half-blooded Scotch-bred families, are of a high order of merit. The proper feeding and management of the herd is a matter of great importance, and the proper feeding of the herd is a matter of great importance, and the proper feeding of the herd is a matter of great importance.

ford Lucy 3rd, by Canada, a Watt-bred bull that proved very prepotent as a sire. He was of the Marr Beauty tribe,

and by the Cruickshank Village bull, Clan Stewart, and his dam by the grand old champion and sire of prizewinners, Barmpton Hero. The dam of Stamford Lady 3rd was by Imp. Hopeful, of the Kinellar Rosebud family, and all the sires in her pedigree are equally desirable. Of the Cruickshank Duchess of Gloster family there are three females of excellent type, Gloster Annie and her beautiful twin daughters, the dam being sired by Prince George, of the good Meadow Flower family, tracing to Meadow Flower 13th, imported by Hon. Mr. Cochrane. Prince George was sired by Gallant Lad, whose pedigree is rich in the blood of such bulls as Royal Liberator and Imp. Lord Glamis, used so successfully in the herd of Hon. John Dryden. The dam of Gloster Annie was by Red Emperor 2nd, bred by Mr. Dryden from an imported Cruickshank sire and dam, and her grandam by Mr. Dryden's Imp. Vensgarth, of the Sittyton Victoria tribe. There are two capital representatives of the Cruickshank Village tribe, the six-year-old Village Bride 2nd, and her yearling daughter, Village Bride 6th, the latter sired by Rosslund, by Lavender Lad, a Duchess of Gloster bull, by Imp. Duke of Lavender, and out of Lady

(Continued on next page.)

Shorthand

FOREST CITY BUSINESS AND SHORTHAND COLLEGE.

BOOKKEEPING and SHORTHAND: Including Rapid Calculation, Correspondence, Business Paper, Business and Office Practice, and Touch Typewriting, are our specialties. We teach these and kindred subjects and teach them well, consequently our students succeed. We think we lead and that others follow. Drop us a postal for catalogue, and we will tell you some facts.

J. W. WESTERVELT, PRINCIPAL, Y. M. C. A. BUILDING, LONDON, ONT.

Bookkeeping

Think of It!

Your neighbor is fitting stock for the fall fairs and is using **CARNEFAC** (Carnefac-fed calves took all the prizes at Winnipeg). Your neighbors are feeding

Carnefac

to hogs and are making \$1.20 to your \$1.00 with the same feed and in the same time. Read:

Brandon, Man., July 30th, 1903.
 Dear Sir,—I have been using your Stock Food on my hogs with the very best results. I have found it a splendid preparation for fattening them and a great preventive against diseases, as I have raised eighty hogs this year and did not lose one. Hoping this will be beneficial to you in the selling of your Stock Food, I remain,
 Yours truly, (Sgd.) ROBT. BAYNTON, Man. for Botting & Hole.

Users of Carnefac need not feed from birth to block. Discontinue at any time; the animal will not go back an ounce.

Carnefac, a Canadian Food Tonic for Canadian Stock.

CARNEFAC STOCK FOOD CO., 65 FRONT ST East Toronto.

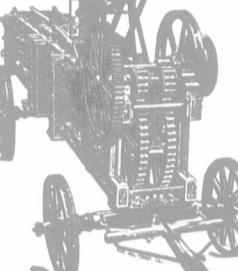
STYLE TALKS BY THE
Robinson Corset Co.
 LONDON, ONTARIO.

NO. 1.
THE ERECT-FORM CORSET.



IT produces a graceful, military attitude, and is the only proper model for the new straight-front styles in costumes. IF you're after this up-to-date effect, we can make it for you. WRITE for catalogue showing how to order by mail, and look for the Style Talk in next issue.

COLUMBIA HAY PRESS.



Built by Ann Arbor Machine Co., Ann Arbor, Mich. One press sold in 1900 has pressed 1,200 carloads, and is ready to do it again. Has a record of 50 tons in 10 hours. Latest Improved Block Dropper.

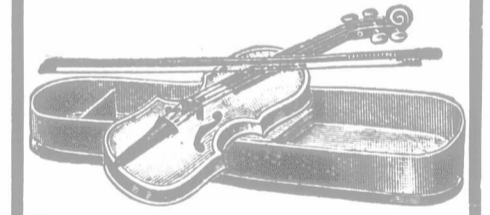
We have placed several of these presses in Canada during the last year; all giving perfect satisfaction; two customers having bought their second press each. Write for full particulars and prices. Address: **E. J. WIGLE, KINGVILLE, ONT.** Agent for Canada.

WINTER WORK

Would you care for some interesting and profitable work during the long winter evenings? Take a course of study by mail and improve your position. Write to-day for free booklet. Address: **CANADIAN CORRESPONDENCE COLLEGE, LTD.** 40-46 King St., Toronto, Ont. om

WANTED. Married man to work in large dairy. Wife to board help. Man with boys who can milk preferred. Give age, qualifications, references and wages expected first letter. Address: **C., care Farmer's Advocate, London, Ont. o**

\$5.00 VIOLIN FREE



We trust you with 7 large beautifully colored pictures, each 16 X 22 inches, named "The Angel's Whisper," "The Family Record," "Christ Before Pilate," and "Rock of Ages." These pictures are handsomely finished in 12 colors and could not be bought for less than 50c. each in any store. You sell them for only 25c. each, return us the money, and we will immediately send you this powerful sweet-toned Violin, full size, Stradivarius model, made of selected wood with highly polished top, inlaid edges and ebony finished trimmings. You could not buy this Violin in any store for less than \$5.00, and we give it to you absolutely free for selling only 7 Pictures at 25c. each. N. McKenzie, Whitewood, B. C. said: "I am well pleased with my Violin. Everyone that sees it says it's worth \$5.00." Mrs. Wm. York, Two Islands, N.S., says: "I am perfectly delighted with my Violin. I was offered \$5.00 for it the day I received it." We have only a limited number of these special Violins on hand. Don't put off writing until they are all gone, but let us hear from you at once. Everyone who purchases a picture from you gets a certificate worth 50c. free. **The Home Art Co., Dept. 533, Toronto.**

CLAYFIELD STOCK FARM

Clydesdale Mares and Fillies of prizewinning stock now for sale. Shorthorns—Bulls and Heifers. Imp Trout Creek Guard at head of herd. Cotswolds—A choice lot of imp. and home-bred rams and ewes now for sale.

J. C. ROSS, PROP.
 Box 61, JARVIS, ONT.

CLYDESDALE MARES

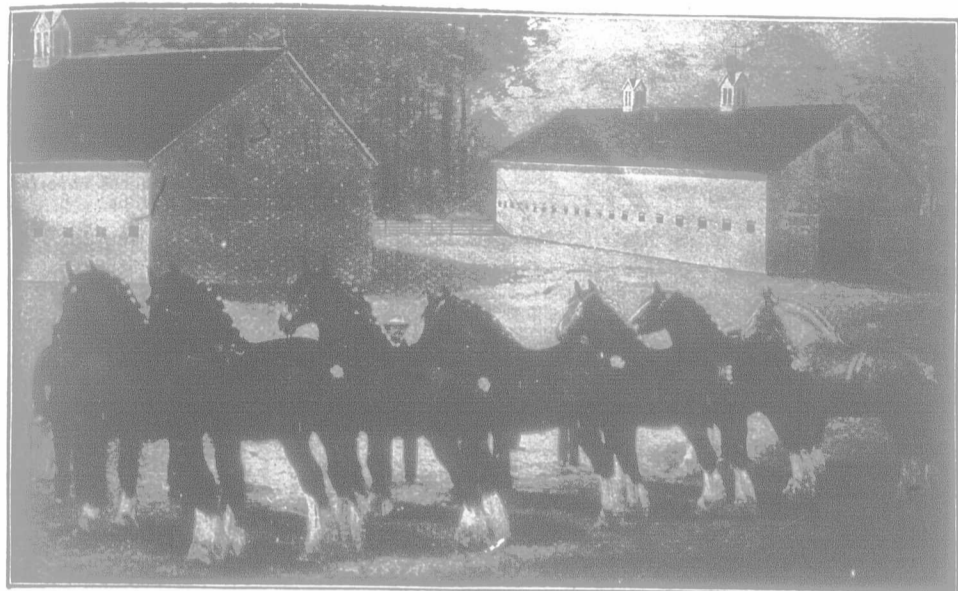
Registered mares, from three years old and upwards, for sale.

NELSON WAGG.
 Claremont station, C. P. R., 2 miles.
 Stouffville station, G. T. R., 4 1/2 miles. -om

ONTARIO VETERINARY COLLEGE—The annual announcement of the Ontario Veterinary College has been issued. The session of 1903-4 of this popular institution will commence on Wednesday, October 14th. The prospects for a successful session are said to be exceedingly favorable.

Advertisement on this page, kindly mention the FARMER'S ADVOCATE.

TRUMAN'S PIONEER STUD FARM



BUSHNELL, ILL., U. S. A.

Has for 25 YEARS been headquarters for the CHOICEST

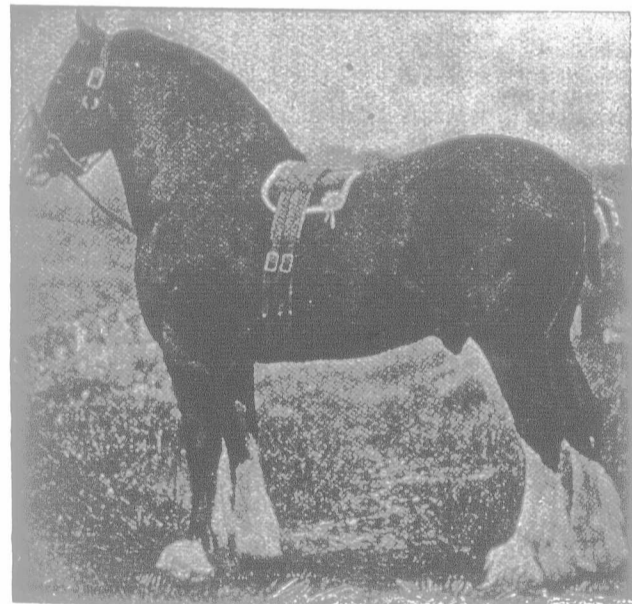
SHIRE, PERCHERON, SUFFOLK AND HACKNEY STALLIONS.

SEVENTH importation for 1903 arrived April 10th. Our importation of exclusively SHOW STALLIONS will arrive Aug. 1st.

20 to 30 Good Practical Salesmen Wanted.

Best lot of draft stallions in the United States or Canada. Notwithstanding the superior quality of our horses, it is a fact that our prices are lower than can be obtained elsewhere in America. If there is no first-class stallion in your neighborhood, please write us. For our 24th annual catalogue, etc., address—

J. G. TRUMAN, Mgr., Bushnell, Illinois, U. S. A.



**ROBERT BEITH,
BOWMANVILLE, ONT.,**

IMPORTER AND BREEDER OF

Clydesdale AND Hackney Horses.

Is offering for sale a number of choicely-bred Clydesdales and Hackney stallions; also a number of Hackney mares. The Clydesdales are sired by the noted horses, Prince of Albion, King of the Roses, Lord Stewart and The Prior.

Imp. Clydesdales and Shorthorns

**MESSRS. SMITH & RICHARDSON,
COLUMBUS, ONT.,**

Importers of Clydesdale horses and Shorthorn cattle, are now offering 10 imported stallions, including sons of the renowned Baron's Pride, Prince Thomas, Royal Carrick and Mountain Sentinel; also 10 mares, 6 of them imported, and the balance from imported stock. Shorthorns, imported and home-bred, all ages. Stations:

Oshawa & Brooklin, G.T.R.; Myrtle, C.P.R.
40 miles east of Toronto.
Long-distance Telephone at residence, near Columbus. Telegraph, Brooklin.

IMPORTED CLYDESDALES

Another consignment of first-class imported Clydesdale stallions just arrived from Scotland. Personally selected. All in good health and splendid condition. These horses are all from noted sires, and range in age from two to six years. Our motto: "Superior quality with sufficient size." Intending purchasers should call on or write to

WM. COLQUHOUN,

MITCHELL P. O. AND STATION (G. T. R.), ONT.

GOSSIP.

(Continued from page 870.)

Glamis 2nd, by Imp. Lord Roseberry. The dam, Village Bride 2nd, was got by Liberator, who was a son of the champion bull, Imp. Vice Consul, a Cruickshank Victoria. Liberator was out of the Kinellar-bred cow, Lydia (imp.), sired by the Nonpareil bull, Gladstone. The excellent Scotch Crimson Flower family has seven splendid representatives in the herd, prominent among which is the handsome and symmetrical red six-year-old, Crimson Jennie 2nd, by Crown Prince, bred by the Russells, of Richmond Hill, from their prizewinning Isabella tribe, which is a branch of the Miss Ramsden family. Her dam was by Imp. Hopeful, and her grandam by Imp. Julius, of the Cruickshank "J" tribe, by Barmpton. Crimson Jennie 2nd, a beautiful red yearling daughter of this cow was sired by Riverside Stamp, bred by Thos. Russell, Exeter, from his excellent Scotch-bred Bracelet family which has produced many prominent prizewinners. Crimson Jennie 3rd, the red five-year-old cow whose portrait appears in the group, is a daughter of the same cow and of the Watt-bred bull, Canada, of the Marr Beauty family. She is a cow of fine type and character, and has a capital heifer calf by Riverside Stamp. Few families of Shorthorns stand on better foundation than this grand Crimson Flower tribe, and few have the benefit of being topped in Canada by bulls of such outstanding individual merit and breeding.

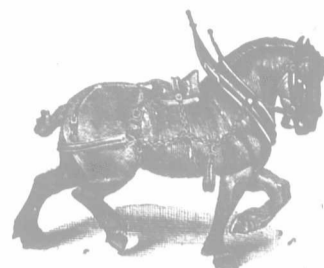
Of the soundly meritorious Miss Syme family, originally imported from Scotland by the Millers, of Markham and Pickering, and from which probably more prizewinners have come than from any other in Canada, there are 15 grandly good ones, among which is Sonsie, a beautiful cow by Imp. Hospodar, the best Cruickshank Brawith Bud bull ever imported to Canada, and considered so valuable that he was purchased by a prominent Scotch breeder and taken back to that country. Her dam was by the Cruickshank bull, patriot, imported by Hon. John Dryden, and all the bulls in her pedigree were first-class in character and breeding. This cow has a beautiful daughter, Sonsie 2nd, a red yearling, a show heifer of outstanding stamp, blocky, deep-ribbed and full of the best of flesh. She is sired by Imp. Pilgrim, of the Lady Dorothy family, and is one of the plums of the sale list. Itonia Queen 2nd, a red yearling of low-set, blocky type, is by Bonnie Lad of the Bessie family, by Imp. Blue Ribbon, and her dam by Indian Agent, by Imp. Indian Chief, sire of many champions. There are many excellent members of several other excellent families of which the limits of space forbid mention, some of which are of heavy milking strains, and are also thick-fleshed and of fine type.

The calves are a really good lot, and are mostly sired by the Duchess of Gloster bull, Darnley, by Indian Chief, an exceedingly well-fleshed bull and a very successful sire, to whom many of the cows are now in calf, while the balance have been bred to imported Royal Archer, the bull now in service, bred by Mr. Bruce, of Heatherwick, Inverurie, and sired by Prince of Archers, one of the best breeding sons of the noted Scottish Archer. Royal Archer, who is included in the sale, will be found a very desirable bull and one that can hardly fail to prove an impressive sire, as he has first-class form and flesh, and the best breeding behind him. There are some very nice bull calves and heifer calves which will be sure to please prospective buyers, and the fine lot of Clydesdale mares, fillies and stallions to be sold at the farm on the day following the Shorthorn sale are a very attractive lot.

At the Minnesota State Fair Shorthorn sale, Grand Archer, Junior, male champion of the show, went to T. A. Luckerson, of Remsen, Ia., at \$1,005, after spirited bidding. He was bred by the Hardings, of Waukesha, and now passes out of the hands of Brown, of Minneapolis.

33 cows made an aggregate of	\$ 7,550
An average of	229
8 bulls made an aggregate of	2,710
An average of	342
41 head made an aggregate of	10,290
An average of	251

IMPORTANT CONSIGNMENT Shire Stallions and Mares.



The property of S. GEORGE MACKANESS, Abington Lodge, Weston Favell, Northampton, England, will be sold at auction at

"THE REPOSITORY,"
Cor. Simcoe and Nelson Sts., TORONTO, ONT.
WEDNESDAY, Oct. 7th, at 1.30 p.m.

Every animal in this consignment is young, sound, of good weight and quality and good action. Several are prizewinners, and all are registered in the Shire Horse Studbook. Catalogue can be had on application. om

WALTER HARLAND SMITH, Auctioneer.

CLYDESDALES

AYRSHIRES and POULTRY.



R. Ness & Sons, Howick, Que.

Importers of Clyde, Percheron and Hackney stallions, Ayrshire cattle, and poultry, have for sale 5 Clyde stallions, sired by Baron's Pride, Sir Everitt, and Royal Carrick, 1 Percheron, and 1 Hackney, winners. Ayrshires of both sexes, and poultry.

RED RIBBON STUD

Largest Importers and Breeders of
Shire Horses



in the Dominion,
including first-prize winner at Royal Agricultural Show in England, and winning more prizes at Industrial and other large shows than all others combined.

Stallions and mares all ages, home-bred and imported, always for sale. Over 50 to choose from. om

MORRIS & WELLINGTON,
Fonthill P. O., Welland County, Ont.

BAWDEN & McDONELL Exeter, Ont.



IMPORTERS OF
Clydesdale, Shire and Hackney Horses

have left for the Old Country to select their annual importation of high-class horses. The consignment will arrive about September 1st. Be ready to inspect them. om

FOR SALE. Seven Imported Clydesdale Fillies,

2-year-olds, sired by the prizewinning stallions, Ascott Corner, Handsome Prince, William the Conqueror, etc. All have been bred to stallions. For further particulars address: om
PATTERSON BROS., Millbrook, Ont.
Millbrook on G. T. R. Cavanville, C. P. R.

IMPORTED CLYDESDALES

Second importation since April just landed. Eight stallions, 1 mare. Stallions aged 2 to 4 years. Got by the noted sires, Baron's Pride, Prince Thomas, Lothian's Best, Ascot, etc. Possessing style, size, quality and action.

MY MOTTO—Quick Sales and Small Profits

Intending purchasers will do well to see my importation, or write me for particulars, before purchasing.

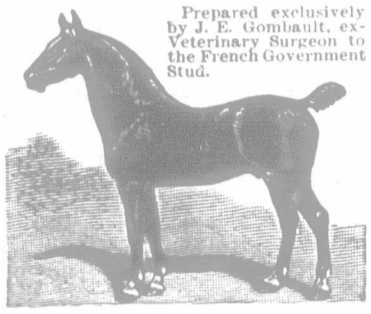
T. H. HASSARD, MILLBROOK, ONT.
Telegraph and telephone and G. T. R. Station, Millbrook, Cavanville, C. P. R. 4 miles. om

Horse Owners

Look to your interests and use the safest, speediest and most positive cure for ailments of your horses, for which an external remedy can be used, viz

GOMBAULT'S CAUSTIC BALSAM

Prepared exclusively by J. E. Gombault, ex-Veterinary Surgeon to the French Government Stud.



SUPERSEDES ALL CAUTERY OR FIRING.

Impossible to produce any scar or blemish. The safest best Blister ever used. Takes the place of all liniments for mild or severe action. Removes all Bunches or Blemishes from Horses or Cattle.

Every bottle of Caustic Balsam sold is warranted to give satisfaction. Price \$1.50 per bottle. Sold by druggists, or sent by express, charges paid, with full directions for its use. Send for descriptive circulars, testimonials, etc. Address

THE LAWRENCE-WILLIAMS COMPANY, Toronto, Can.

To cure a Bruise or Strain quickly, proceed as follows:

Wring out a sponge in boiling hot water and hold on the affected part, keeping the sponge hot by repeating the operation, for from 15 to 30 minutes. Rub dry and apply

ABSORBINE,

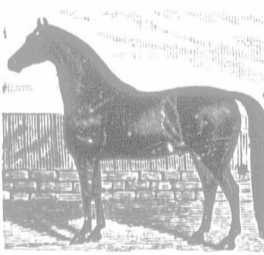
rubbing it in well. Use the hot water steaming process once a day and apply the Absorbine from three to four times a day. One or two days usually cures fresh cases. Absorbine is unequalled in removing bunches caused by a bruise or strain from animal or mankind. Vet. size, \$2 per bottle; for mankind, \$1 per bottle; delivered or furnished by regular dealers. Write for pamphlets. Manufactured by W. F. YOUNG, P. D. F., Springfield, Mass. Lyman, Sons & Co., Montreal, Agts. for Canada.



DR. PAGE'S ENGLISH SPAVIN CURE

For the cure of Spavins, Ringbones, Curbs, Splints, Windgalls, Capped Hock, Strains or Bruises, Thick Neck from Distemper, Ringworm on Cattle, and to remove all unnatural enlargements. This preparation (unlike others) acts by absorbing rather than blistering. This is the only preparation in the world guaranteed to kill a Ringbone or any Spavin, or money refunded, and will not kill the hair. Manufactured by DR. FREDRICK A. PAGE & SON, 7 AND 9 YORKSHIRE ROAD, LONDON, E. C. Mailed to any address upon receipt of price, \$1.00. Canadian agents:


J. A. JOHNSTON & CO., DRUGGISTS,
171 KING STREET, EAST, TORONTO, ONT.



New Book

on how to prevent and cure diseases of horses and cattle, to know sound horses, age, constitution, valuable recipes, etc., prepared especially for farmers, from facts gathered in 20 years' practice, by S. S. Dickinson. (Out shortly.) Advice by mail, \$1.

Address S. S. Dickinson, Port Hope, Ont.



Thorncliffe Stock Farm

ROBERT DAVIES

usually has on hand some fine specimens of Clydesdales, Hackneys, Jersey and Ayrshire Cattle, Yorkshire Pigs.

Correspondence always welcome at

THORNCLIFFE,

THE KINDERGARTEN STUD FARM, QUEEN ST. E. CORNER, TORONTO.

JAMES HURLEY, Proprietor.

Specialties: Thoroughbred horses from near and distant studs. All classes of horses for sale.

GOSSIP. ABORTION IN COWS.

ABORTION consists in expulsion of the offspring before it can live independent of the dam. Abortion, when not due to specific causes, results from blows, injuries, poisonous blood disorders, exposure to cold, sudden excitement, anger, odors from slaughter houses, or from other animals similarly affected, purgatives and improper nutrition. Smut, ergot and decomposed materials of any kind, when taken as food, often cause abortion.

Anemia, another word for poverty of the blood, is probably the most common cause. Coarse, innutritious food reduces the vitality of the dam, the circulation is sluggish, the blood supplied to the calf, colt, lamb or pig is deficient in quantity and poor in quality.

These conditions above are often sufficient to cause a cow to lose her calf or a mare to lose her foal, and if aided by excitement, a physic, a fall or a chill, abortion is almost sure to follow. In all animals carrying young, good nutritious food must be supplied to nourish dam and fetus. Tonics are required, and quiet, clean quarters must be provided, and grain or hay affected with smut or containing ergot must be avoided.

Anemia, being one of the most common causes of abortion in animals, is not easily notifiable. Animals showing extreme debility of the muscular system, becoming easily exhausted upon slight exertion, are generally anemic, and no better tonic can be applied than Dr. Hess' Stock Food. It contains the tonics and salts of iron essential for the improvement of impoverished blood.

This stock food is formulated by Dr. Hess, M. D., D. V. S., and is used by eminent veterinarians and endorsed by leading colleges. If they know of nothing better it must be good. Dr. Hess' Stock Food, the scientific compound, is sold on a written guarantee, 100 lbs., \$7.00; smaller quantities at a slight advance. It is fed in a small dose.

For every disease and condition for which Dr. Hess' Stock Food is not recommended, the little yellow card in every package entitles you to a letter of advice and special prescription from Dr. Hess.

Dr. Hess has written a book on the diseases of stock and poultry. It is consulted and commended by many leading veterinarians.

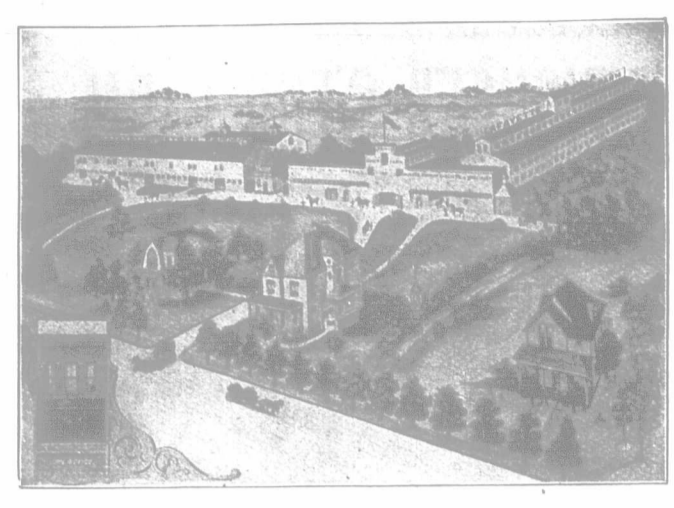
Write Dr. Hess & Clark, Ashland, Ohio, U. S. A., state what stock you have, what stock food you have fed, also mention this paper. For this information you will receive this valuable book, with which you will be able to treat your own domestic animals.

TRADE NOTES.

THE STORY OF A BUSINESS SCHOOL.

The above is the title of a new catalogue issued by the Central Business College, of Toronto, Limited. It describes the remarkable growth of this great school and explains clearly the advantages enjoyed by nearly one thousand young people who attend this college each year. It is the most readable school prospectus we have ever seen, and probably the handsomest. Interested persons may secure a copy by writing the Principal, Mr. W. H. Shaw, Yonge and Gerrard Sts., Toronto.

WHAT EXCUSE? Mr. Theo. Noel, whose announcement appears in these columns, wants to know what is your excuse, if you are sick and ailing, and refuse to accept the offer of thirty days' trial of Vita-Gee, at his risk, which is guaranteed to the readers of this paper. The offer is Personal to Subscribers, but mentioned in these columns a number of times during the past two years, and thousands read and accept it, else they would not have their announcements in these columns. If you need the medicine, you can't lose it by the offer. Write to Mr. Noel, Vita-Gee, Toronto, Ontario, and get it. What is your excuse?



LA FAYETTE STOCK FARM,

J. Crouch & Son, Props.

Importers of all breeds of

STALLIONS.

We are the largest Importers and Breeders of Oldenburg German Coach horses in America. We also import Draft horses of all kinds, including Belgians, Clydesdales, English Shires, and Normans. 350 head of Coach and Draft stallions imported in last 15 months.

La Fayette, Ind., U.S.A.

Terms easy. All stock guaranteed.

ALEX. GALBRAITH & SON,

JANESVILLE, WIS. BRANDON, MAN.

STALLIONS

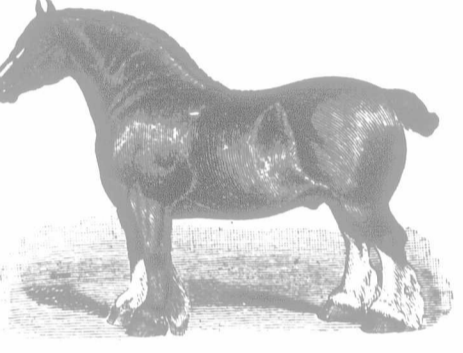
left that they offer at a special bargain.

Have a few choice

New Importation of prizewinners of the various breeds will arrive in August.

Buying orders executed on commission.

CLYDESDALE and YORKSHIRE COACH STALLIONS



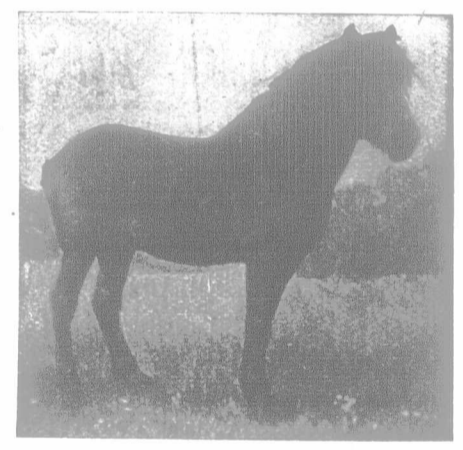
Mr. Dalgety has just landed with a large consignment of Clydesdale and Yorkshire Coach stallions, including several prizewinners. These horses will all be on exhibition at Toronto and London shows. Parties requiring a first-class stallion should not miss seeing these horses.

DALGETY BROS.,

LONDON, ONTARIO, and DUNDEE, SCOTLAND.

BELGIAN STALLIONS and MARES

IMPORTED LAST SEPTEMBER. THOROUGHLY ACCLIMATED.



The up-to-date drafter, big and medium weight, dark colors, short, straight back, no hair on legs, immense rumps, pony-built body. Not a shaggy lump of fat. A Klondyke in your stable. Honest value for honest money. Write, or, better, come to


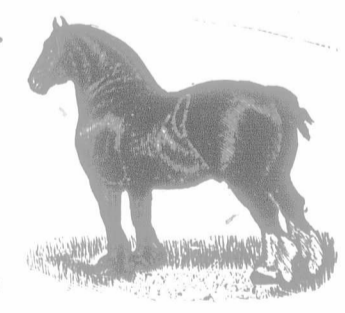
BARON DE CHAMPLouis, Importer,
DANVILLE, QUEBEC.

INTERNATIONAL IMPORTING BARN, SARNIA, ONTARIO

J. B. HOGATE, PROPRIETOR.

IMPORTER OF

Clydesdale, Shire and Hackney Stallions, and Spanish Jacks.

68 head imported in 1902. All sold but 2 stallions and 4 jacks. My next importation will arrive about Sept. 1st—60 stallions and 20 jacks. Hogate buys bread-winners, and sells them at bread-winning prices. Hogate doesn't advertise all of his stallions to weigh a ton, but some of them do. You can fool some of the people some of the time, but you can't fool all the people all the time. Be sure and see my stock before you buy in the fall. Prices to suit all, consistent with quality. I will be pleased to see all my old customers in the fall, and as many new ones.

H. H. COLISTER, MANAGER AND SALESMAN.

Poultry and Eggs Wanted

Empty crates forwarded upon application. Highest prices paid. Payments weekly by express order. Correspondence solicited.

TORONTO POULTRY & PRODUCE CO.,

470 YONGE ST., TORONTO.

Advertisement for THE FARMER'S ADVOCATE.

AMONGST THE WORLD'S GOOD THINGS TO DRINK

"SALADA"

CEYLON NATURAL LEAF GREEN TEA. The rival of Japans. Its purity, flavor and all-round deliciousness stand unrivalled. Sealed lead packets only. 40c. per lb. By all grocers. Beware of substitutes.

BEAUTIFUL PICTURES ON CREDIT.

We Trust You. We trust you with a large beautifully colored picture each 16x22 inches, named "The Angels' Whisper," "The Family Record," "Christ Before the Plate," and "Rock of Ages." These pictures are hand-colored and finished in 12 colors and could not be bought for less than 50c. each in any store. You sell them for 25c. each, send us the money and for your trouble we will send you a beautiful Enamelled Watch with handsome silver nickel case on which a Deer is elegantly enamelled. The rich brown fur and delicate coloring making the whole design absolutely true to life. A very beautiful and thoroughly reliable watch that answers every purpose of the most expensive time-piece. T. F. Dunbar, Renfrew, Ont., said: "I received my watch and I sold it for \$6.00 as soon as I got it. Thomas Best, Back River, Nfld., said: "Many thanks for the watch. I am delighted with it. It is a first and keeps splendid time. All my friends think it is just grand." Write us a post card today and we will mail the pictures postpaid. To everyone who purchases a picture from us we will give a 50c. certificate free. THE HOME ART CO., Dept. 537 Toronto.

Renfrew, Ont., said: "I received my watch and I sold it for \$6.00 as soon as I got it. Thomas Best, Back River, Nfld., said: "Many thanks for the watch. I am delighted with it. It is a first and keeps splendid time. All my friends think it is just grand." Write us a post card today and we will mail the pictures postpaid. To everyone who purchases a picture from us we will give a 50c. certificate free. THE HOME ART CO., Dept. 537 Toronto.

14K. GOLD WATCH FREE. What is the use of spending \$25.00 or \$50.00 for a watch when you can get one for nothing that looks like a Solid Gold Watch and keeps time equal to any \$50.00 watch. Here is your chance. We will give this handsome reliable watch to any person who will sell for us only 16 Canadian Home Cook Books at 15c. each. These books are nicely printed, beautifully bound and each contains 739 choice recipes. Every lady buys one. A 50c. certificate free with each book. This is not a cheap pocket clock, but a handsome watch, finished in 14k. gold, elegantly engraved, beautifully ornamented, stem wind and set, fitted with reliable American works, carefully timed and adjusted before leaving the factory, and positively guaranteed by the maker. If you could afford to pay \$50.00 for a watch you could not get one that would look better, or keep better time than the one we here offer you absolutely free. T. F. Dunbar, Renfrew, Ont., says: "I sold the watch for \$6.00 as soon as I got it." Write us a Post Card today and we will mail the Cook Books postpaid. They sell themselves. THE HOME SPECIALTY CO., Dept. 521 Toronto, Ont.

PICTURES ON CREDIT - NO SECURITY ASKED. We send you 15 large beautifully colored pictures, each 16x22 inches named "The Angels' Whisper," "The Family Record," "Christ Before the Plate," "Rock of Ages." These pictures are hand-colored and finished in 12 colors and could not be bought for less than 50c. each in any store. You sell them for 25c. each, send us the money and for your trouble we send you a handsome gold-finished Double Hunting Case Watch, lady's or Gent's size, richly and elaborately engraved in solid gold designs, with stem wind and set, imported movement. Write us a post card today and we will mail you the pictures postpaid, also our large illustrated Premium List showing dozens of other valuable prizes. Address, Home Art Co., Dept. 528 Toronto.

THE SUNNYSIDE HEREFORDS. Onward at head of herd. FOR SALE: Six choice young cows and heifers, 11 young bulls, ranging in age from 4 to 8 months, 5 of which are good enough, individually and by breeding, to head any herd. Sons of Protector, Golden Star, Pretorian and Sunny Slope Tom 1st in the lot. O'NEIL BROS., Southgate, Ont. Iderton station, L. H. & R., Lucan station, G. T. R.

INGLESIDE HEREFORDS. 100 Head. Calves to 6-year-olds. If you want to start a small herd, write for particulars. The quality and breeding is of the best. A good foundation means success, and here is where you can get it at prices and terms to suit your purse. H. D. SMITH, COMPTON, QUE.

ABERDEEN-ANGUS. For Sale: One two-year-old bull and one yearling bull, sired by Laird of Tweedhill. Will sell right. W. HALL, Washington P. O., Drumbo Station, CEDARDALE SHORTHORNS. FOR SALE—3 bulls from 1 to 2 years old, two of them of Lord Gloster 28385 and Flora dams, the other by Cedarville Chief 28383, Beauty dam; a big, growthy, sappy lot. Dr. T. S. Sproule, Ont., Markdale, P. O. and STA.

MANITOULIN SHORTHORNS. Edwin Beck, Gore Bay, Manitoulin Island. Breeder of SCOTCH and SCOTCH-TOPPED SHORTHORN CATTLE. A few choice animals.

SHORTHORN CATTLE and Oxford Down sheep Imp. Prince Homer at head of herd. Present offering: Young bulls and heifers from imported and home-bred cows; also a choice lot of young rams and ewes from imported sire. JAMES TOLTON & SON, Walkerton Ont. Farm 3 1/2 miles west of Walkerton Station, Ont.

Imported Shorthorns Imp. Royal Prince heading the herd of imported and home-bred Shorthorns of best Scotch families, for sale, both sexes, at reasonable prices; also Oxford Down ram lambs. JOHN McFARLANE Dutton, Ont., P. O. and Sta., Rox 41.

For sale at reasonable prices—Five imported bulls, nearly all roans. Twelve imported cows and heifers. Also a number of nice Canadian-bred bulls, cows and heifers, in calf or with calves at foot. H. J. DAVIS, Woodstock, Ont. C. P. R. and G. T. R.

MAITLAND BANK SHORTHORNS. Males and females, imported and home-bred; best Scotch breeding; show animals. Right prices. D. MILNE & SON, Ethel Station and P. O.

Shorthorns, Clydesdales, YORKSHIRES. I offer for sale a young red bull calf by Republican (Imp.) out of Nonpareil 34th (Imp.)—a good one. Also young Yorkshires and Clydesdales, all ages. Also Count Amaranth at a bargain, if taken soon.

A. E. HOSKIN, SPRINGVALE FARM, COBBOURG STA. & P. O.

Shorthorns, Lincolns and Berkshires. Five bulls fit for service, from good milking strains; choice cows and heifers; can supply show stock. A litter of Berkshires, 4 months old; also brood sows. Prices right. F. MATTINDALE & SON, York, Ont.

H. SMITH, EXETER, ONT. SCOTCH SHORTHORNS. Bred for utility. More fat show champions produced than in any other herd. Some choice heifers to spare. Come and see them, or write. Farm joins Exeter, on G. T. R.

Shorthorns, Leicesters and Berkshires. FOR SALE—1-yearling bull, bull and heifer calves; Berkshire hears and sows, ready for service, and suckers ready to wean. Write for wants, or come and see E. JEFFS & SON, Bond Head P. O., Bradford and Beeton Stns., G. T. R.

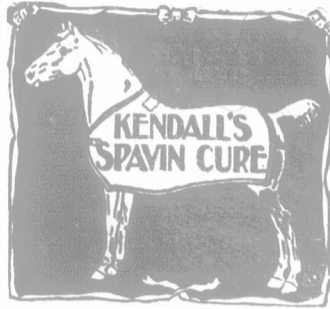
SHORTHORN BULL. For sale, mingling Booth and Bates strains. Imported by the late Senator Cochrane. For full particulars apply to ALEX. McNEILL, ex-M. P., Warton, Ont.

GOSSIP.

A visit to the beautiful and well-kept farm of A. D. McGugan, of Rodney, Elgin Co., Ont., is always a pleasure, particularly to those who are interested in Shorthorn cattle and Lincoln sheep. Although Mr. McGugan may be classed as one of Ontario's young breeders, he has, by the exercise of good judgment and enterprise, got together one of the best herds of Scotch Shorthorns in the Province, both in breeding and individual merit. Among the grand lot of females seen in the luxuriant pastures, the most attractive is a beautiful imported red three-year-old cow, Scottish Red Lady, of the popular Roan Lady family, and bred by John Young, Tilbouries, Scotland. She has just dropped her second calf, a beautiful heifer by Aberdeen Hero (imp.). Scarcely less attractive is the roan six-year-old imported cow, Rosetta 8th, of the same family and breeding as Scottish Red Lady. She is a cow of great size, but smooth, thick-fleshed and a deep milker, and that she is a great breeder is clearly seen by three heifers that are show animals anywhere. The Missie family is represented by the four-year-old cow, Missie's Pride, and a beautiful pair of roan heifers, Lady Ramsden and Lady Rose, are worthy specimens of the Missie Ramsden family that has such a show-yard record on both sides of the Atlantic. Minna's Queen, a Kinellar Mina of the richest breeding, is one of the money-makers of the herd. She is a capital breeder. Her two-year-old white heifer would be hard to beat. There are also in this up-to-date herd a few right good females of the Ury and Claret families. Mr. McGugan started right, and by the use of high-class sires has striven to build up a herd equal to the best. For four years stood at the head of this herd the old champion Abbotsford 19446, whose record as a sire and show bull is so well known to "Advocate" readers. The present stock bull is Aberdeen Hero (imp.), bred by A. Watson, Auchronie, Scotland, and of the same family and breeding as the great Lord Banff. Aberdeen Hero is a bull of the choicest quality—a show bull in any ring, stylish, smooth, and a rare handler. The young things in the herd prove clearly that he is a sire of exceptional merit, and Mr. McGugan may regard himself as fortunate in having a good sire and one that is right in quality and breeding. Young things of both sexes are offered for sale. In Lincolns, there is a splendid bunch of ram and ewe lambs for sale from imported and Canadian-bred ewes. Parties wanting Lincolns should correspond at once with Mr. McGugan.

THE PERCHERON BATTLE AT DES MOINES.

Never before in the history of the Iowa State Fair has such a grand lot of Percheron horses been entered as in that of 1903. It is doubtful if a better Percheron show was ever made in America. In the allotment of the ribbons it was a royal battle from start to finish in all the stallion classes. It was a great honor to be at all inside the prize list, as the horses that were clear out of it this year are such as have been winners in many great shows. The opening stallion ring, four-year-olds or over, was a magnificent commencement, the twenty-seven entries being sufficient to completely fill the large show-ring of the pavilion. Prof. C. F. Curtis had his work cut right out from the start, but his tying of the ribbons was quite satisfactory to all concerned, and it was recognized that he put them just where he thought they belonged. Lew W. Cochran, of Crawfordsville, Indiana, drew first blood with his magnificent gray stallion, Medoc, who was given first place after an hour or more of work, and well deserved the honors which he won. Standing next to him was the black stallion Bonnyval 2nd, entered by Singmaster & Son. The third choice was Dunham, Fletcher & Coleman's Remi, whose age (nine years) was against him in such a class as this. In the three-year-old class, with twenty-one entries, Dunham, Fletcher & Coleman's Pink was 1st, De Artagnan 2nd, and Castel, owned by J. Crouch & Son, La Fayette, Ind., Stock Farm, a good young black, with size, was awarded third place. Cochran also captured first in the yearling stallion class on St. Louis, a great mottled colt, with heavy quarters, good bone and action.



HAS NO EQUAL For Spavins, Ringbone Splints, Curbs, and all forms of Lameness, bunches or bony enlargements.

Dr. B. J. Kendall Co., I have used your Kendall's Spavin Cure for 20 years and have found it an invaluable remedy. Please mail me your book at once as I have a colt I am now having trouble with. Yours truly, L. L. JAY, Dayton, Texas. As a liniment for family use it has no equal. Price \$1.50 per box for \$5. A 25-cent receipt for 'KENDALL'S SPAVIN CURE' also 'A Treatise on the Horse,' the book free, or address Dr. B. J. Kendall Co., Enosburg Falls, Vt.

LORNE STOCK FARM. SHORTHORNS, OXFORDS and STANDARD - BREDS.

We now offer possibly the best 2-year Wildbrino colt in breeding and quality in Ontario. Young stock for sale. Address: A. McKillop & Sons, West Lorne, Ont.

R. & S. NICHOLSON Sylvan P. O. Parkhill Station, Ont. Importers and breeders of

SHORTHORNS

Have for sale: 13 IMPORTED HEIFERS, 20 HEIFERS (choice). Safe in calf to Imp. Spicy Count. Home-bred herd composed of Nonpareils, Minnas, Clementinas, Cruickshank Lovells, Shethin Rosemarys, A. M. Gordon's Estelles, Miss Symes, etc.

Maple Grange Shorthorns

CLARETS, LAVINIAS and RED ROSES. Sired by such Scotch bulls as Albert Victor (imp.) 6315; Baron's Heir (imp.) 28854; Scottish Bard 22512, and Commodore 28854. Golden Abel (imp.) heads the herd. Stock always for sale, male and female. R. J. DOYLE, Owen Sound, Ont.

Scotch-Topped Shorthorns—(Imp.) Captain May-fly (No. 28858), winner of sweepstakes at Toronto (1900), let at Toronto and London (1902), at head of herd. Animals of all ages and both sexes for sale. JOHN C. BRICKER, Elmira P. O. and Station, on G. T. R.

HIGH-CLASS Shorthorns

AND CLYDESDALE HORSES

Imp. Spicy Count 36117, 3 years old. Four bulls, 12 to 20 months. Cows and heifers. JAS. McARTHUR, Goble's, Ontario.

Shorthorns and Yorkshires—Stock bull, Scottish Lad = 28908, and 1 bull, 12 months, for sale. Up-to-date Yorkshires, bred straight from imp. stock. Pigs of spring litters for sale. G. W. KEAYS, Hyde Park, Ont.

T. DOUGLAS & SONS,

STRATHROY STATION & P. O., BREEDERS Shorthorns and Clydesdales

88 Shorthorns to select from. Herd bulls (Imp.) Diamond Jubilee = 28861 = and Double Gold = 37854 =. Young bulls, cows and heifers for sale at all times. Also one (imp.) stallion and two brood mares.

ROSEVALE SHORTHORNS. Herd comprises Augustas, Polyantus, Crimson Flowers, Minna, Strawberries and Lavinias. For sale, both sexes, the get of Imp. Marengo Haydon Duke, Imp. Baron's Heir, Imp. Golden Able and Imp. Golden Conqueror. W. J. SHEAN & Co., Owen Sound P. O. & Sta.

Choice Shorthorns and Shropshire Sheep.

I am now offering bulls from 8 to 16 months old. Heifers of all ages, some in calf. Present stock bull, Roan McKay = 37867 =. CHAS. CALDER, Brooklin.

OAK LANE STOCK FARM.

Shorthorns, Gotswolds, Yorkshires and Barred Rock Fowls.

Imported and Canadian-bred Shorthorns. Open to take orders for N.-W. trade. Write for prices. Satisfaction guaranteed.

GOODFELLOW BROS., MACVILLE, ONT.

High-Class SHORTHORNS

Now offering 5 bulls, from 4 to 17 mos. old, sired by Royal Duke, he by Royal Sailor (imp.). Also females, all ages, some in calf. Prices moderate.

J. R. McCALLUM & SON, Iona Sta. & P.O. Ont.

Shorthorns and Leicesters.

HERD ESTABLISHED 1855. Scotch Booth and Bates families to select from, grand milking qualities being a special feature.

JAMES DOUGLAS, Caledonia, Ont.

CHAS. RANKIN, WYEBRIDGE, ONT.

IMPORTER AND BREEDER OF SHORTHORN CATTLE and OXFORD DOWN SHEEP.

Herd headed by Pride of Scotland (imp.). FOR SALE—Females and bulls of all ages, from noted Scotch families.

Queenston Heights Shorthorns

Two Scotch bull calves, choice heifers, at reasonable prices.

HUDSON USHER, - QUEENSTON, ONT.

Farm 3 miles north of Niagara Falls.

W. R. Bowman, Mt. Forest,

IS OFFERING

YEARLING DURHAM BULL

of an excellent dairy strain (weight 1,200 lbs.) for \$75.00. Two Aberdeen-Angus bull calves 13 and 9 mos., at \$75 and \$90.

MERCER'S SHORTHORNS

Comprise Missies, Stamfords, Floras, Clarets, Princesses, Red Roses, Young Sterlings, Fashions and Matchless. They number 60 head for sale.

Thos. Mercer, Markdale P. O. and Station.

SHORTHORNS.

Importer and breeder of choice Shorthorns. Scottish Hero 15673 at the head of herd.

JAS. A. CHERAR, Shakespeare, Ont.

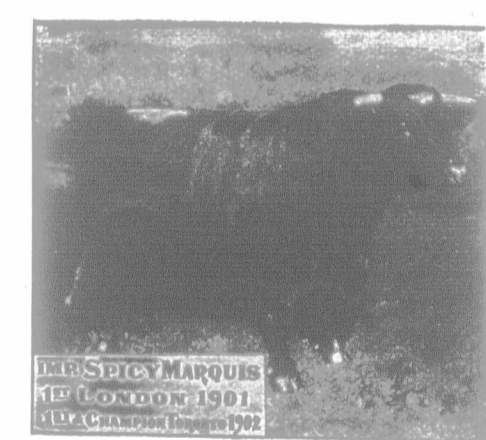
R. Mitchell & Sons,

Nelson, Ont.

Present offering three extra good bulls from 12 to 14 months, two imp. in dams, and one from imp. sire and dam.

Burlington Jct. Station and Tel. Office.

TROUT CREEK SHORTHORNS



Even Imported Bulls for Sale.

JAS. SMITH, W. D. FLATT, Manager, 378 Hess St. South, Millgrove, Ont. -om Hamilton, Ont.

FOUR BULLS (red). Ury and Stamford dams, sired by Squire Wimple, winner of first here and British Columbia; now owned by Mr. Ladder, Ladder's Landing.

Meaford Farm, Meaford P. O. and Sta.

Shorthorns and Lincolns

A few choice bulls from 12 to 15 mths. One bull 23 mths. Also females any age for sale.

L. E. & D. R. R. and M. C. R.

GREEN GROVE SHORTHORNS.

This herd comprises such noted families as Cruickshank, Orange Blossoms, Nonpareils, Crimson Flowers, Mysies, Langshires, Butterflies and Jessamines, and is headed by the noted Watt bred bull, S. J. Robin = 28259, winner of second prize at Toronto and London.

For Sale, J. T. GIBSON, DENFIELD, ONT.

Shorthorns and Shropshires

Choice bulls and heifers, bred from noted families, for sale from J. T. GIBSON, DENFIELD, ONT.

Leg and Body Wash.

When it comes to stiffness and soreness of muscles, tendons, etc., nothing equals

Tuttle's Elixir

for restoring normal conditions. Apply to the body as a mild sponge bath and put on light blanket. Sponge the legs and put on light bandages.

Used and Endorsed by Adams Express Company.

Tuttle's American Condition Powders

A specific for impure blood and all diseases arising therefrom.

Dr. S. A. TUTTLE, 66 Beverly St., Boston, Mass.

LYMAN, KNOX & SON, Agents, Montreal and Toronto, Canada.

S. DYMENT, BARRIE, ONT.

Breeder of Scotch Shorthorns

Imported Morning Star at head of herd.

Shorthorns, Berkshires and Leicesters.

FOR SALE: Choice two-year-old heifers, well gone in calf; also yearling heifers, bull calves. Boars and sows fit for breeding, and young pigs.

JAS. GIBB, SUNNYSIDE STOCK FARM, BROOKSDALE, ONT.

SHORTHORN CATTLE.

Imp. Christopher = 23859 = heads herd. A few choice young cows, heifers and bulls for sale.

A. M. Shaver, Ancaster P. O., Ont.

HAWTHORN HERD

OF DEEP MILKING SHORTHORNS.

FOR SALE: Four young bulls, from 8 to 24 months old, from AI dairy cows. Good ones.

WM. GRAINGER & SON, Lonsdale, Ont.

W. G. PETTIT & SONS

FREEMAN, ONT., CAN., Importers and breeders of

Scotch Shorthorns

The herd now numbers over 100 head. Fifty of them imported direct from Scotland, consisting of the most popular and richly-bred Cruickshank and Aberdeenshire families.

BULLS IN SERVICE

Imp. Scotland's Pride, a Cruickshank Clipper, by Star of the Morning; Imported Scottish Pride, a Marr Roan Lady, by Scottish Prince; and Imp. Prime Favorite, a Princess Royal, by Bapton Favorite.

Bulls, cows and heifers suitable for foundation stock or show purposes for sale. New descriptive catalogue ready August 15th.

ARTHUR JOHNSTON,

GREENWOOD, ONTARIO,

Offers for sale at times' prices, 6 young SHORTHORN BULLS, from imp. dam and by imp. sires.

6 YOUNG BULLS, of purest Scotch breeding

10 YEARLING and 8 TWO-YEAR-OLD HEIFERS.

Pickering Station, G. T. R. -on Claremont Station, C. P. R.

MAPLE LODGE STOCK FARM

ESTABLISHED 1851.

SHORTHORNS.—First-prize milking strains, best Scotch breeding. Young bulls and heifers for sale.

LEICESTERS.—A grand lot of ewes, bred to our imported rams, and a few choice rams now for sale.

A. W. SMITH, AILSA CRAIG STA., G.T.R., MAPLE LODGE P.O., ONT. 3 1/2 miles.

Shorthorn Cattle, Lincoln Sheep

Imp. Prime Minister at head of herd. Imp. Clippers, Miss Ramsdens, and other Scotch families. Lincolns won more than half the money and first for flock at the Pan-American; International, Chicago, 1901 and 1902.

J. T. GIBSON, DENFIELD, ONT.

A QUICK, SHARP CUT

DEHORNING

DEHORNING

DEHORNING

DEHORNING

DEHORNING

DEHORNING

DEHORNING

DEHORNING

BOOK REVIEW.

Any book reviewed in this department may be ordered through this office.

BRIGHTER LITERATURE.

The Canadian Magazine for September contains much bright reading, and in it Canadian writers shine.

Jane Jones does well in her article, "A Sofa's Reminiscences," breaking away from the ordinary style of storytelling.

Harold Sands also invests his two historical incidents with new flavor, as does J. Gordon Smith in his more pretentious article describing "The Romance of Sealing."

Aside from the particular merits of style and brightness, the chief article of the issue is "Preferential Trade in Its Relation to Canada and the Empire," by Hon. G. W. Ross, Premier of Ontario, who writes almost as well as he speaks.

Among the short stories Duncan Campbell Scott's "The Winning of Marie-Louise," easily stands first.

Mr. Scott pays the French-Canadian a high compliment in this tale. Jean Blewett's "On the Ponoka Reserve" exhibits a somewhat unusual vein, but is a delightful story.

HORTICULTURAL MANUAL

(Systematic Pomology).

From John Wiley & Sons, Publishers, New York, we have received a copy of the American Horticultural Manual, Part II.

by Prof. J. L. Budd, of the Iowa State Agricultural College, and Prof. N. E. Hanson, of the South Dakota Agricultural College.

Its 500 handsomely printed pages are profusely illustrated and contain a most complete classification and description of all the leading fruits recommended by societies and growers, including those of special value locally.

For the benefit of amateurs and beginners, the relative hardiness of varieties are given with their adaptation, so far as known to soils, exposures and altitudes.

The names conform mainly to the code of the American Horticultural Society. Advanced fruit-growers will welcome this volume, which makes an invaluable sequel to Part I, issued last year by the same enterprising publishers, written by the same authors, and which deals so well with the principles and practices of Horticulture.

These volumes may be ordered through this office at \$1.50 each.

\$62.50 to California and Return.

Via Chicago & North-Western R'y. From Chicago to San Francisco and Los Angeles, daily, October 8 to 17.

Correspondingly low rates from all points. Three fast daily trains, with magnificent equipment through to the coast, including the famous electric-lighted daily Overland Limited. Less than three days en route, over the only double-track railway between Chicago and the Missouri River.

All agents sell tickets via this line. Send for illustrated booklets, maps and full information to B. H. Bennett, 2 East King St., Toronto, Ontario.

Settlers' Low Rates West.

Via the Chicago & North-Western R'y. every day from September 15th to November 30th.

Settlers' one-way, second-class tickets at very low rates from Chicago to points in Utah, Montana, Nevada, Idaho, Oregon, Washington, California, also to Victoria, Vancouver, New Westminster, Nelson, Rossland, and other points in Kootenay district.

Correspondingly low rates from all points in Canada. Full particulars from nearest local agent or B. H. Bennett, General Agent, 2 East King St., Toronto, Ont.

Cure Them All. You can cure all these diseases and blemishes easily, thoroughly and inexpensively. Lump Jaw, Spavin, Rinsbone, Fistula, Pot Evil, Knee Spruns. FLEMING BROS., Chemists, 46 Front St., West, Toronto, Ont.

ROSE COTTAGE SHORTHORNS.

Royal Prince = 31241 =, by imp. Royal Sailor, at head of herd. For sale—4 bulls, 3 heifers (3 to 9 months old), 3 yearlings, one 2-year-old heifer and 9 cows in calf, Scotch and Scotch-topped.

H. K. FAIRBAIN, Thedford P. O. and Station, G. T. R.

J. & W. B. WATT

BREEDERS AND IMPORTERS OF

Shorthorns, Clydesdales and Berkshires

We breed our show cattle and show our breeding cattle.

The imported bulls, Scottish Beau, Viceroy and Scottish Peer, head the herd.

Imported and home-bred cows and heifers for sale. A few choice young bulls on hand.

Our herd at Toronto won three firsts, a second and third out of five herd classes.

Salem P. O. and Telegraph Office, Milns Sta., G.P.R., G.T.R.

SHORTHORNS (IMP.)

Cows and heifers, imp. and home-bred. Bulls, imp. and home-bred—all ages. Representing the fashionable blood of Scotland.

EDWARD ROBINSON, MARKHAM P. O. & STN.

SHORTHORNS.

THORNHILL HERD, ESTABLISHED 27 YEARS.

Imp. Royal Member and Sailor Champion now at head of herd, which are all bred on straight Scotch lines, and are of the up-to-date kind. Present offering: some choice young bulls.

REDMOND BROS., Millbrook Sta. and P. O.

Spring Grove Stock Farm

Shorthorn Cattle and Lincoln Sheep.

HERD prize and sweepstake at Toronto Industrial Exhibition, three years in succession.

Herd headed by the Bruce Mayflower bull, Prince Sunbeam, imp. Present crop of calves sired by Imp. Wanderer's Last, sold for \$2,005.

High-class Shorthorns of all ages for sale. Also prize-winning Lincolns. Apply

T. E. ROBSON, ILDERTON, ONT.

MAPLE SHADE FARM

Home of the oldest herd of CRUICKSHANK SHORTHORNS in Canada.

SHROPSHIRE FLOCK founded 1871. Carload of yearling rams of choice quality, ready for inspection. Call or write

JOHN DRYDEN & SON, Brooklin, Ont

Shorthorns: Our stock bull

= 31533 =, a grand stock-getter and sure, 3 years old. Also 1 bull, 13 months; heifers and cows. Shropshires, all ages and sex. BELL BROS., Bradford, Ont.

SHORTHORNS.

Lady Fannys and Beautys for sale. 5 bulls, from 6 to 14 months old; 7 heifers, from 1 to 3 years old, some of them in calf to Prince Eclipse 33049.

James Caskey, Tiverton P.O., Kincardine Sta.

GRANDVIEW SHORTHORNS

For Sale.—1 bull, by Royal Beau; also a few females. Herd headed by the Marr Missie bull Marengo = 31055 =.

J. H. BLACK & SON, ALLANFORD P. O. and STATION.

IF YOU'RE NOT GETTING YOUR SHARE



of the profits in the dairy business it is because you are not using a

De Laval Cream Separator

For, no matter what the other fellows may tell you, our machines will save their cost each year over and above what is possible with any other separator or system.

Send for a catalogue.

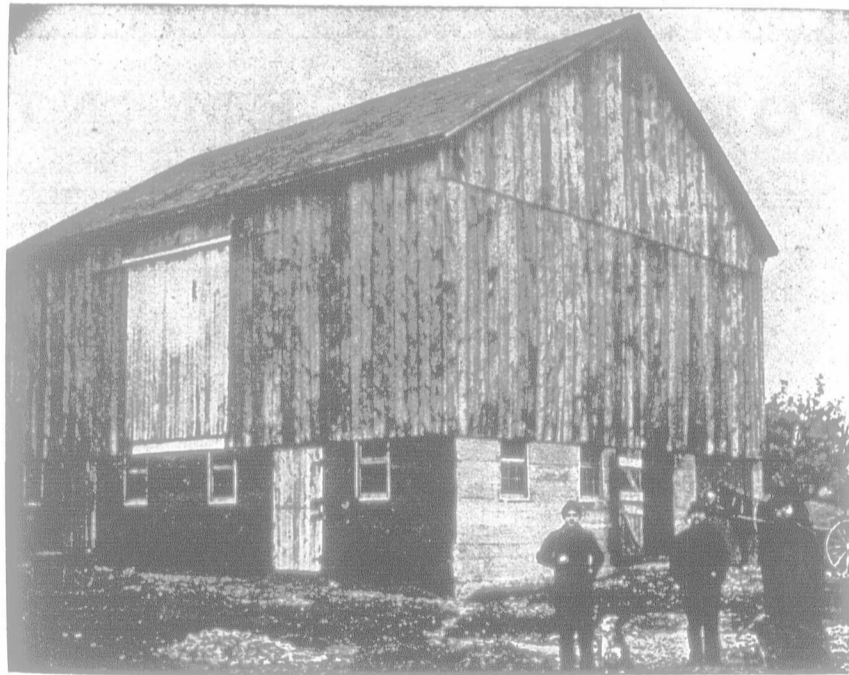
THE DE LAVAL SEPARATOR CO.
77 YORK STREET, TORONTO.

MONTREAL, WINNIPEG, NEW YORK, CHICAGO, SAN FRANCISCO, PHILADELPHIA, POUGHKEEPSIE.

BETTER THAN STONE OR BRICK!

GOOD QUALITIES OF
THOROLD CEMENT

RECEIVE ANOTHER TESTIMONIAL.



BARN OF F. H. EICHENBERGER, DELAWARE, ONT.
Size, 36x46 feet. Basement built with Thorold Cement.

Read what Mr. Eichenberger says:

Delaware, Ont., December 22, 1899.
Estate of John Battle, Manufacturers of Thorold Cement, Thorold, Ont.:
Gentlemen.—It gives me great pleasure to testify to the good qualities of your Thorold Cement. I built a barn, 36x46 feet, in the wall of which I used 55 barrels of your Thorold Cement, and consider I have a first-class job—better and cheaper than either stone or brick.
Yours truly,
F. H. EICHENBERGER.

EST. JOHN BATTLE, (Manufacturers of Thorold Cement, and Dealers in Portland Cements,) THOROLD, ONT.

SHORTHORNS

WE ARE OFFERING FOR SALE a grand lot of young imported Scotch cows and heifers with calves at foot or safely in calf to the best imported bull obtainable.

Herd Numbers 150 Head.
Send for New Catalogue.

VISITORS WELCOME, AND CORRESPONDENCE PROMPTLY ATTENDED TO.
TELEGRAPH OR TELEPHONE.

H. CARGILL & SON,

Also have a choice lot of Oxford Down Sheep, either sex, at reasonable prices. Cargill, Ontario, Canada.

GOSSIP.

TESTS ACCEPTED FOR RECORD BY THE AMERICAN JERSEY CATTLE CLUB.

Seven-day Butter Tests.

Adelpha Melia Ann 163524: Butter, 15 lbs. 15½ ozs.; milk, 277 lbs. Test made from April 27 to May 3, 1903; age, 3 years 4 months; weight, 930 lbs. Fed 5 lbs. wheat bran, 2 lbs. cotton-seed meal, 2 lbs. ground oats and corn, and 2 quarts potatoes daily. Property of F. B. Keeney, Belvidere, N. Y.

Annie of Seekonk 159124: Butter, 19 lbs. 7 ozs.; milk, 259 lbs. 1 oz. Test made from July 29 to August 4, 1903; age, 6 years 1 month; weight, 940 lbs. Fed 70 lbs. ground corn and oats, 28 lbs. cotton-seed meal and 42 lbs. wheat bran; alfalfa hay ad lib., clover pasture. Property of John F. White, Mount Morris, N. Y.

Gall Rivers 135684: Butter, 18 lbs. 11 ozs.; milk, 286 lbs. 2 ozs. Test made from July 9 to 15, 1903; age, 6 years 2 months; weight, 980 lbs. Fed 56 lbs. ground corn and oats, 28 lbs. cotton-seed meal and 42 lbs. wheat bran; clover pasture. Property of John F. White, Mount Morris, N. Y.

Imp. Agenoria's Lass 150265: Butter, 20 lbs. 10 ozs.; milk, 276 lbs. 1 oz. Test made from June 23 to 29, 1903; age, 7 years 4 months; actual weight, 850 lbs. Fed 28 lbs. cotton-seed meal, 48 lbs. bran and 48 lbs. ground corn and oats; alfalfa hay and pea vines ad lib. Property of John F. White, Mount Morris, N. Y.

Imp. Gipsy 150262: Butter, 16 lbs. 7 ozs.; milk, 248 lbs. 3 ozs. Test made from July 8 to 14, 1903; age, 9 years; weight, 740 lbs. Fed 14 lbs. cotton-seed meal, 56 lbs. ground corn and oats and 42 lbs. wheat bran; pea vines, hay. Property of John F. White, Mount Morris, N. Y.

Imp. Lincoln 144517: Butter, 15 lbs. 2 ozs.; milk, 213 lbs. 5 ozs. Test made from July 11 to 17, 1903; age, 6 years 8 months; weight, 680 lbs. Fed 56 lbs. ground corn and oats, 42 lbs. wheat bran and 28 lbs. cotton-seed meal; clover pasture. Property of John F. White, of Mount Morris, N. Y.

Massena of Orchard Farm 166190: Butter, 15 lbs. 14 ozs.; milk, 219 lbs. 4 ozs. Test made from June 12 to 18, 1903; age, 7 years; weight, 910 lbs. Fed 28 lbs. cotton-seed meal, 42 lbs. ground corn and oats and 42 lbs. wheat bran; hay ad lib., orchard pasture. Property of John F. White, Mount Morris, N. Y.

Josie of Eau Claire 128006: Butter, 22 lbs. 9 ozs.; milk, 319 lbs. 2 ozs. Test made from July 29 to August 4, 1903; age, 6 years 9 months; weight, 840 lbs. Fed 70 lbs. ground corn and oats, 42 lbs. cotton-seed meal and 56 lbs. wheat bran; alfalfa hay, clover pasture. Property of John F. White, Mount Morris, N. Y.


Melrose Lass 105925: Butter, 21 lbs. 11½ ozs.; milk, 304 lbs. Test made from June 25 to July 1, 1903; age, 8 years 6 months; weight, 850 lbs. Fed 56 quarts wheat bran, 42 quarts cotton-seed meal, 28 quarts ground oats, 28 quarts corn meal, and 21 gallons cotton-seed hulls; 7 bundles partially ripe, unthreshed oats, short Bermuda grass pasture. Property of J. W. Persohn, McKinney, Texas.

Miss Cisneros 131026: Butter, 20 lbs. 3 ozs.; milk, 264 lbs. 5 ozs. Test made from June 23 to 29, 1903; age, 8 years 2 mos.; actual weight, 750 lbs. Fed 36 lbs. cotton-seed meal, 42 lbs. bran and 42 lbs. ground corn and oats; alfalfa hay and pea vines ad lib. Property of John F. White, Mount Morris, N. Y.

Oscar's Beauty 144463: Butter, 16 lbs.; milk, 270 lbs. 11 ozs. Test made from June 20 to 26, 1903; age, 4 years 1 month; weight, 850 lbs. Fed no grain, good mixed pasture only. Property of William Bear, Zionsville, Ind.

Rowena Inez 137675: Butter, 17 lbs. 1 oz.; milk, 224 lbs. 6 ozs. Test made from July 13 to 19, 1903; age, 6 years 7 months; estimated weight, 780 lbs. Fed 56 lbs. ground corn and oats, 28 lbs. cotton-seed meal and 42 lbs.

(Continued on next page.)



BABY'S OWN SOAP

prevents roughness of the skin and chapping.

Best for toilet and nursery use. o35

ALBERT TOILET SOAP CO., MRS. MONTREAL.

Pennabank Stock Farm. Our 1903 crop of Rudyard bred ram, are now offered, sired by a ewes, shearlings, by Mansell, Cooper and Knox rams. Shorthorns of choice breeding and good individuality also for sale. HUGH PUGH, Whitevale, Ont.

BELLEVUE SHORTHORNS. Both sexes. Imported and home-bred. All ages. Prizewinners at home and abroad. EDWIN BATTYE, Gore Bay P. O. and Port. WANTSFOULIN ISLAND.

CHOICE SHORTHORNS. We are now offering 12 heifers from 6 months to 2 years of age, and 7 bulls from 6 to 10 months old, some of them extra choice and prizewinners—a low down, thick lot also, Yorkshires. WM. McDERMOTT, Living Springs P. O., Fergus Station.

Imp. Shorthorns and Lincolns
A. D. MCGUGAN, RODNEY, ONT., P. O. AND STA.

Imp. Aberdeen Hero at the head of the herd, which is composed of the best Scotch families. Ten grand shearling and two-year old ewes for sale, in lamb to a Royal winner. Also ewe lambs from imported Dudding ewes at reasonable prices.

Ten Yearling and Two-year-old Heifers sired by Nero of Glen Rouge, and bred to Dentonia's Achievement. E. B. HINMAN & SONS, Grafton, Ont.

I GUARANTEE A \$5.00 PACKAGE OF BARREN KOW CURE postpaid, to make any cow under 10 years old breed, or refund money. No trouble, no risk. Given in feed twice a day. L. F. SELLECK, Druggist, Morrisburg, Ont.

A SNAP IN JERSEYS. Three fine young cows, bred, and a good young bull, not akin to cows or progeny. Price, \$225 for the four. Write for particulars. W. W. EVERITT, Dun-Ekin Park Farm, Box 552, Chatham, Ont.

JERSEY BULLS. Three choicely-bred Jersey bull calves for sale. The dam of one, Bijou of Glen Rouge, has a test of 19 lbs. 8 ozs. of butter in 7 days, a piece of the World's Fair champion, Merry Maiden. Also the 3-year-old bull, Brampton Rex, a sure stock-getter, very gentle, and a prizewinner. THE MISSES MACDONALD, Metcalfe St., Guelph, Ont.

CANADA'S GREATEST JERSEY HERD. 127 SELECTED JERSEY 127 We have now for sale 15 imported and home-bred bulls, out of noted dairy and prizewinning cows, and by such sires as Brampton Monarch, imp. Also cows and heifers, all ages. Call and see our exhibit at the leading shows. Farm within 2 miles of station, C. P. R. and G. T. R. om B. H. BULL & SON, Brampton, Ont.

SPRING BROOK HOLSTEINS. Meet me at Toronto Exhibition. Will again exhibit. Come and see my stock and get prices. A choice lot of young bulls to offer, of rare quality and breeding. A. C. HAGLAW, Waterloo Co. - Breslau, Ont.

HOLSTEINS, TAMWORTHS, COTSWOLDS. Present offering: Young boars and sows fit to breed, and younger ones. Choice animals. Ram and ewe lambs and two 2-shear rams. Perfect covering. R. O. MORROW Hilton Ont Brighton Rtn.

Ridgedale Farm Holsteins Bull and heifer calves, bred from rich milking strains, on hand for sale. Prices right. Write for what you want. R. W. WALKER, Utica P. O., Ontario. Shipping stations: Port Perry, G. T. R., and Myrtle, C. P. R. Ontario County.



Get an Empire.

Examine all the Cream Separators on the market; look carefully to their construction; then select the one which you think will do the best work and give you the least bother. We believe that's the

EMPIRE
Easy Running
Cream Separator.

Guaranteed to run more easily, to be easier to clean and last longer than any other. It's for you to decide. Try it first. Get our free book.

Empire Cream Separator Co.
28 Wellington St. W.,
TORONTO, CANADA.

Lyndale Holsteins

We are now offering a number of young bulls, fit for service, sired by Lady Waldorf's De Kol. Spring calves of both sexes.

BROWN BROS.,
Lyn P. O. and Station.

4 HOLSTEIN BULLS 4
For Sale: From 4 to 7 months old, having sires in their pedigree from such strains as Inka, Neither land, Royal Aggie, and Tritonia Prince, and out of imported females that have proven their worth at the pen. **THOS. B. CAELAWY & SON,** Warkworth

Riverside Holsteins

Choice young bulls for sale, from 3 to 7 months old, whose sire and dam are in the Canadian Advanced Record of Merit.

MATT. RICHARDSON, & SON,
Haldimand Co. Caledonia, Ont.

Brookbank Holsteins

16 to 25 lbs. of butter in 7 days' official test are the records of this herd of Holstein cows. Heifers of equivalent records. Bulls for sale whose sires and dams are in the Advanced Registry, with large official butter records.

GEO. RICE, Currie's Crossing, Ontario
OXFORD COUNTY.

Maple Park Farm Holsteins.

Home of all the leading strains. Nothing for sale. **SIDNEY MACKLIN,** Streetsville P. O. and Station, C. P. R.

Holsteins and Tamworths

Present offering: 12 March and April sows, 10 June boars and sows; sired by Elmdale Ned 2503; a typical sire of the bacon type. Write for what you want, or call and see the stock. Enquiries promptly answered.

BERTRAM HOSKIN,
Grafton Station, G.T.R. THE GULLY P. O.

IF YOU WANT A HOLSTEIN BULL, bred from producers, and that is again capable of siring producers, at a living price, write

H. BOLLERT,
Cassel, Ont.

Ayrshire Bulls

of last August, November and March births. Also a few heifers due to calve in fall and early winter.

W. W. BALLANTYNE,
Neldpath Farm, Stratford, Ont.

SUNNYSIDE AYRSHIRES.

Our present offering is 10 heifers, from 10 mos. to 2 years of age; 1 bull, 6 mos. old, and 8 young cows—a rare good, straight-lined lot, and will be sold right. **J. W. LOGAN,** Allan's Corners P. O., Howick Sta., Que.

AYRSHIRES AND YORKSHIRES



15 Bulls

from 3 years to 3 weeks old.

6 Yorkshire sows, ready to breed. 7 sows, due to farrow.

Orders looked for you. Electric cars to farm. Telephone 1292.

G. CLARKE,
Woodroffe D. and S. Farm, Ottawa.

GOSSIP.

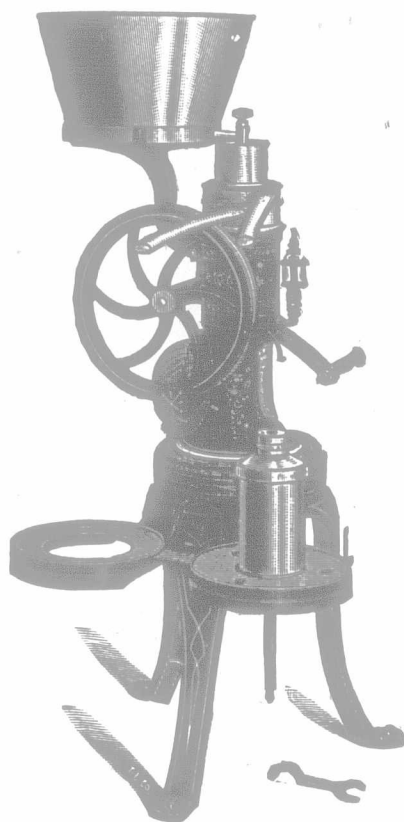
(Continued from page 875.)

wheat bran; clover pasture. Property of John F. White, Mount Morris, N. Y. Melrose Lass 105925: Ten days—Butter, 30 lbs. 7½ ozs.; milk, 425 lbs. Test made from June 22 to July 1, 1903; age, 8 years 6 months; estimated weight, 850 lbs. Fed 80 quarts wheat bran, 60 quarts cotton-seed meal, 40 quarts ground oats, 40 quarts corn meal and 30 gallons cotton-seed hulls; 10 bundles partially ripe, unthreshed oats, short Bermuda grass pasture. Property of J. W. Persohn, McKinney, Texas.

The report of proceedings of the fourth International Conference of Sheep-breeders, held in London, Eng., June 22, 1903, has, by favor of the Secretary, Mr. W. W. Chapman, been received at this office. The report contains a list of the representatives present from several colonial and other societies. The principal interest centered in the discussion of an able paper, prepared and read by the secretary, on the value of pedigree in relation to the production of mutton and wool, in which leading breeders of Britain and the colonies participated. The next annual meeting will be held in London next year on the day before the opening of the Royal Show.

W. D. Platt, Trout Creek Stock Farm, Hamilton, Ont.: "I have recently sold two of the imported bulls which arrived at the farm from Quebec about ten days ago. The first one sold was to Mr. W. H. Easterbrook, of Freeman, Ont., named Midshipman, roan, bred by John Wilson Scotland; calved, 7th December, 1901; belonging to the Meadow Queen family. He has for his sire the Cruickshank Clipper bull, Prince of Sanquhar. This bull has won many prizes in Britain, and is a strictly good individual. His grandsire, Prince of Fashion, was bred by Wm. Duthie, sire Scottish Archer, dam Primrose 3rd, by Norseman, both bred by A. Cruickshank, while his great-grand sire, Sovereign, was of the Cruickshank Secret family. Midshipman is only in very moderate condition, having run out on grass this spring in Scotland, but he is very straight in his lines, with good depth of rib, full in his quarters, and a very captivating head and horn. Mr. Easterbrook is gradually getting a first-class herd of Shorthorns together. The second sold was to Mr. W. R. Elliott, of Guelph, Ont., Lucerne, a roan bull calved March 19th, 1902, bred by the late George Shepherd, Aberdeenshire, Scotland. He belongs to the Lustre family, and it is safe to say that there are few heavier-fleshed families of cattle in Scotland than they. His sire, Cyprus, was sold at Mr. Shepherd's sale last year at nine years old for \$625. He is a Cruickshank Crocus. The first six bulls in his pedigree were bred by A. Cruickshank, and are as follows: William of Orange, Gondalier, Cumberland, Grand Fizzer, Scotland's Pride and Lancaster Royal. Individually, Lucerne is what would be termed a superior bull. He has remarkable scale, a well-sprung rib, and very deep, very smoothly finished at tail-head, and well filled in quarter, very thick natural flesh, and also very low-set. He looks like making a very valuable sire, and Mr. Elliott is to be congratulated and also commended, as he, like Mr. Easterbrook, is again building up a herd of Shorthorns, and well knows the value of a good bull. Among other sales I might also report: To Messrs. Woods Bros., Omaha, Neb., six young bulls and seven heifers and cows. To A. Pringle, of Eskridge, Kansas, a young bull bred by ourselves, named Lord Amaranth. This is a very promising young bull, and will doubtless do well for the purchaser. To W. R. Selbeck, Huntington Harbor, Long Island, N. Y., a young bull named White Speck, bred by ourselves, got by the Pan-American champion bull, Speculator. To Mr. J. H. Epps, Jonesboro, Tenn., a young bull bred by ourselves and got by Spicy Marquis. The young imported bulls are doing well, and intending purchasers should take a look at them."

**ARE YOU THINKING OF SELECTING
A CREAM SEPARATOR THIS YEAR
FROM ANY OF THE FAIR EXHIBITS?**



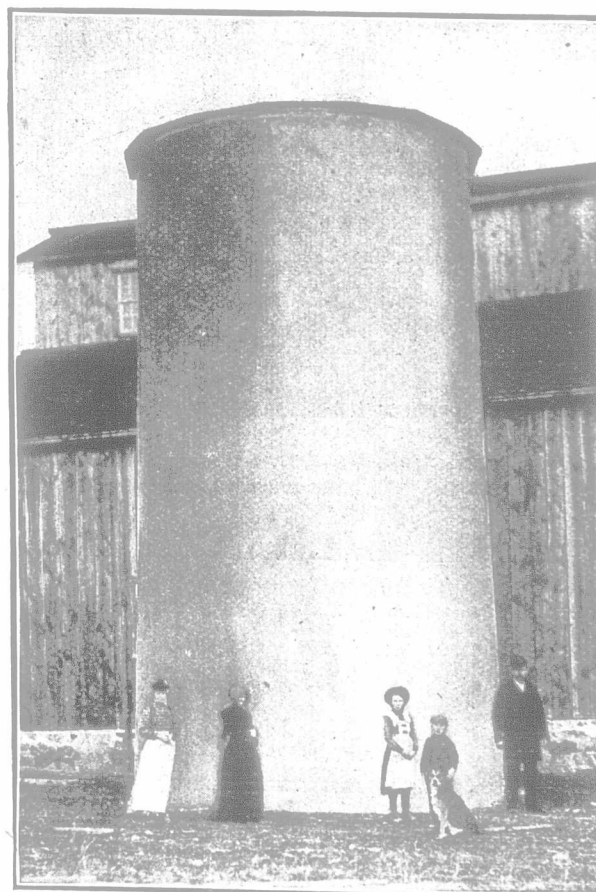
If so, will you do it by guess, or will you use the same good common sense that serves you so well when you buy anything else? Will you buy a machine with no other recommendation than that of a salesman, who slaps you on the back, tells you "fairy stories" of how many machines he has sold in the past and that you must buy his Separator to be "in the swim," or will you look into the separator proposition a little and endeavor to select a good machine, instead of buying a good big lot of talk and an inferior separator? Now, if you intend to select a real good separator, just look at the NATIONAL, then look at all the other machines, then look at the NATIONAL again, then buy it. We know that you WILL BUY IT when you see it, because your good judgment won't let you do anything else. It is the simplest machine in the world, and is unexcelled by any. It is safe and durable and easily washed and the handsomest machine on the Canadian market to-day.

MADE IN THREE SIZES:
STYLE "B"—Capacity 250 lbs. per hour.
No. 1 —330 to 350 lbs. per hour.
No. 1 A—450 to 500 lbs. per hour.

Write to the following general agents for our booklet, "Will It Pay":
The Creamery Supply Co., Guelph, for South-western Ontario.
The T. C. Rogers Co., Guelph, for Northern and Eastern Ontario.
Mr. Jos. A. Merrick, Winnipeg, Manitoba, for Manitoba and N.-W. T.
Mr. H. E. Nunn, Truro, N. S., for Maritime Provinces; or to

The Raymond Mfg. Co., of Guelph,
GUELPH, ONTARIO. LIMITED.

**PORTLAND CEMENT
Concrete Silo**



BUILT FOR SHERMAN HARRIS, VERSCHOYLE, ONTARIO,
14 feet in diameter and 30 feet high, with

"RATHBUN'S STAR" BRAND

MANUFACTURED BY The Canadian Portland Cement Co., LIMITED

SOLE SALES AGENTS:

THE RATHBUN COMPANY

310 and 312 FRONT STREET WEST, TORONTO, ONTARIO

Advertisement on this page, kindly mention the FARMER'S ADVOCATE.

SHARPLES TUBULAR FARM SEPARATOR



Just one Tubular, all the others are of the "bucket bowl" type. Plenty of the old style, bucket bowls, but only one of the Tubular style. Others have tried to imitate, but they can't get around the Tubular patents. If you want the

Improved Tubular Separator come to us; if you are satisfied with the old style bucket bowl, go to any of the others. Write for catalogue No. 133. **The Sharples Co., P. M. Sharples,** Chicago, Ill. West Chester, Pa.

W. F. STEPHEN, Trout River, Que., breeder of Ayrshire Cattle. A few choice bulls fit for service, and several bull calves, sired by Klondike of St. Annes 887, and from deep milkers, with good udder and teats. Carr's Crossing, 1 mile, G.T.R.; Huntingdon, 5 miles, S.L. & A.R.

High-class AYRSHIRES, FOR SALE! IMPROVED AND HOME-BRED including cows, heifers and young bulls out of our prize and sweepstakes cows. Foundation selected with due regard to quality and productiveness. Come or write. **WM. WYLIE, - HOWICK, QUEBEC.**

Spring Burn Ayrshires and Oxford Downs Our special offer at present: 10 bulls from 1 to 9 months old, 4 two-year-olds, 2 shearlings, and 7 ram lambs; a choice lot. Prices reasonable. **E. J. Whittaker & Sons, - North Williamsburg, Ont.**

Ayrshires and Yorkshires We will have on exhibition and for sale some choice Ayrshires at the coming Dominion Exhibition. Yorkshires two months old, of right type, on hand. **ALEX. HUME & CO., MENIE P. O.** Hurd's Station, G. T. R.

DAVID A. McFARLANE, Breeder of high-class AYRSHIRES. **KELSO, P. Q.** Young stock for sale from imported and home-bred foundation. Prices reasonable.

STOCKWOOD AYRSHIRES. Our herd now numbers 40 head of all ages, with milk records from 40 lbs. a day up. Stock of both sexes for sale. Bulls a specialty. **WATT BROS., Allan's Corners P. O.** St. Louis Sta., near Howick, Que.

AYRSHIRES AND YORKSHIRES. My Ayrshires are all bred from imported stock; Yorkshires from Mr. D. C. Flatt's imported stock. Choice young animals for sale. **James McCormick, Sr., Rockton, Ontario.**

Menie Stock Farm Choice young AYRSHIRE bulls and heifer calves, from 2 to 9 months old. Also cows and heifers all ages. Write **WM. STEWART & SON,** Menie, Ont.

Maple Cliff Dairy and Stock Farm BREEDERS OF AYRSHIRE CATTLE, BERKSHIRE and TAMWORTH PIGS. Special offer this month in young bears of both breeds, fit for service. One young bull, 2nd at Toronto last year as yearling. Farm adjoins Central Experimental Farm. **R. REID & CO., Hintonburg, Ont.**

HIGH-CLASS AYRSHIRE CATTLE FOR SALE: Both sexes; bulls and heifer calves from 2 to 9 months old; cows and heifers all ages. Famous prizewinners bred from this herd, including Tom Brown and White Floss, sweepstakes prizewinners at Chicago. **DAVID BENNING & SON,** "Glenhurst," Williamstown, Ont.

Tredinnock Ayrshires. Imported bulls at head of herd: Glencairn 3rd, Napoleon of Auchenbrain, and Lord Dudley. Forty imported females, selected from leading Scotch herds, and their produce from above-named bulls. Size combined with quality and style, well-formed udders, good-sized teats, and capacity for large milk production. Bull calves for sale; also a few young cows and heifers. For prices and particulars address **JAMES BODEN, Mgr., St. Anne de Bellevue, Quebec.** Farm close to St. Anne Station, G.T.R. & C.P.R., 20 miles west of Montreal.

HOMECROFT FARM for dairying and pure-bred stock. Ayrshires, Chester Whites, and Barred Rocks. We have some fine bulls fit for service. Also hogs of all ages. Prices reasonable. Try us. **J. F. PARSONS & SONS,** Barnston, Que.

AYRSHIRE CATTLE SHROPSHIRE SHEEP, B. P. ROCK FOWL and 20 YOUNG LARGE ENGLISH BERKSHIRES FOR SALE. **J. YUILL & SONS,** om Carleton Place, Ont.

NETHERLEA AYRSHIRES. Present offering: 3 bulls fit for service, prize-winners; also a few young females, sired by Napoleon of Auchenbrain (imp.), whose dam's record was 72 lbs. a day, and all of them out of record cows. **T. D. McCALLUM,** om Danville P. O. and Station, Quebec.

GOSSIP.

Last week Mr. Alexander Galbraith, Secretary of the American Clydesdale Horse Association, purchased from Messrs. A. & W. Montgomery twenty Clydesdale stallions for exportation to the States. The horses purchased by Mr. Galbraith include Baron Robgill (second-prize winner at the Edinburgh "Highland"), Woodend Gartly (champion of the Stirling Show), Rosario (a prominent winner at the Aberdeen shows), and Proud Prince (the Newton-Stewart premium horse of this year). The others in the lot are got by such sires as Baron's Pride, Prince Thomas, Prince Shapely, etc. The whole lot are of a very superior order of merit.—[Live Stock Journal.

Official records of 22 Holstein-Friesian cows, from July 31st to Sept. 2nd, 1903, were made and approved under the careful supervision of U. S. agricultural experiment stations. The representatives of the stations weigh the milk and ascertain the amount of fat it contains, and the Superintendent of Advanced Registry determines the equivalent butter on the basis of 85.7 per cent. fat to the pound. The list was headed by Winana Beets DeKol 44887, at 6 years 2 months 4 days, commencing 7 days after calving: Milk 509.6 lbs., fat 16.566 lbs., equivalent butter 19 lbs. 5.2 oz. Owner, Henry Stevens & Son, Lacona, N. Y.

Volume I. of the National Shropshire Record, published by the National Shropshire Registry Association and edited and compiled by S. J. Weber, secretary, whose address is Middleville, Mich., has been received at this office, through the courtesy of the secretary. It is a volume of 250 pages, well printed and bound, containing pedigrees of 2,800 sheep, a list of names and addresses of breeders, owners and importers found in the volume, and of numbers of sheep owned by breeders named in the volume and recorded in it, together with an alphabetical index of ewes and rams in the book, and the articles of the Association and rules of entry of the Record. The officers appear to be all residents of the State of Michigan, L. S. Dunham, Concord, Mich., being president of the Association. The price of the volume to non-members is \$2.50.

ROYAL DUBLIN WINNERS.

At the recent Royal Dublin Horse Show about twenty less Thoroughbreds than last year were shown. Many former winners were in competition, as well as several fine horses recently withdrawn from the turf. A former champion, Royal Mask, a chestnut, thirteen years old, owned by Mr. Edward Mitchell, Enniskillen, secured the premier honor, last year's winner, Red Prince II., coming second. These sires are of fine hunter type. Sir Patrick, another former winner, came third. The mares are also a good class, and included a number of animals which have either distinguished themselves on the turf or have reduced race winners. In this category was Erin, who often carried the late Captain Macchell's colors to victory. But she was considered inferior to another candidate from the same stock in Carnegie. The second prize went to Lady Lisle, a short-legged, roomy mare. Grey Pullet, winner of the champion cup at Cork, and first at Thurles, was an easy first in the aged class for brood mares calculated to get hunters. The outstanding feature of the show is the display of hunter stock. Close upon 1,000 animals were catalogued, an increase of nearly 100 compared with last year. During the war in South Africa, the demands in the way of horses were such that the exhibits at Ball's Bridge showed a shrinkage, but since the cessation of hostilities there has been an upward tendency, which is this year so pronounced as to constitute a record for the section. One or two of the classes contained from 150 to 200 entries. It is not often that prizes for hunters are taken across the Channel, but to-day Sir H. F. de Trafford, Bart., Market Harborough, who was successful last year, further improved his position by carrying off the premier award among the weight carriers, as well as among the medium and light weights.

Page Woven Wire Fence
In summer the continuous coil takes up the slack. In the winter season pays it back.
All fences slacken in warm weather and tighten in cold—except the Page Fence. Page spring coil takes up the slack in summer and lets it out in winter. No loose sagging in summer, no straining or breaking in winter. Common crimped wire is not spring tempered and if it slackens it stays slackened; if it tightens it loosens again worse than ever. Page wire is tempered to regulate its own tension summer and winter. 60,000 miles of Page wire fence in use now.
The Page Wire Fence Co., Limited, Walkerville, Ont. Montreal, P. Q. and St. John, N. B.

AYRSHIRES



WATSON OGILVIE, PROPRIETOR.

Ogilvie's Ayrshires won the herd and young herd prizes at Toronto, London and Ottawa in 1900; also at the Pan-American, in 1901, and in 1902 they won all the herd prizes and medals, sweepstakes and diplomas, with one exception. The cows are all imported, and were carefully selected for strength and constitution, style, size of teats, and milk (quantity and quality). The herd is headed by Douglasdale (imp.), champion at the Pan-American and at Ottawa, Toronto and London, in 1902, ably assisted by Black Prince (imp.). Stock, imported and home-bred, for sale at all times.

ROBERT HUNTER, Manager. Near Montreal. One mile from electric cars. **Lachine Rapids, P. Q.**

SPECIAL OFFERING FOR THIS MONTH Ayrshire Bulls. Isleigh Prince 13438, fine individual, white, brown spots, aged 3 yrs.; one 10 months, brown and white. Few fine calves.

Guernseys. One bull, 8 months; one bull 3 years and 6 months. A fine specimen of the breed. Address, for particulars, etc., **ISALEIGH GRANGE FARM, - - - DANVILLE, P. Q.**

"Farnham Farm" Oxford Down Sheep

We are offering at moderate prices 200 imported and Canadian-bred Rams and Ewes of most modern type, of different ages. We intend to exhibit

GUELPH, G.T.R., HENRY ARKELL, and TELEGRAPH. **ARKELL P. O., O. P. R.**

IMPORTED AND HOME-BRED AYRSHIRES FOR SALE.

5 bulls 1 year old—2 of these imported, the other 3 have such grandams as Alice 2nd of Lessnessock, Edith of Lessnessock and Mayflower 2nd of Drumstie. Females all ages. **Robt. Hunter & Sons, Maxville, Ont.**

EUROPEAN ADVERTISEMENTS.

W. W. CHAPMAN,

Secretary of the National Sheep Breeders' Association, Secretary of the Kent or Romney Marsh Sheep Breeders' Association, and late Secretary of the Southdown Sheep Society. Pedigree Live Stock Agent, Exporter and Shipper. All kinds of registered stock personally selected and exported on commission; quotations given, and all enquiries answered. Address: **MOWBRAY HOUSE, NORFOLK ST., LONDON, W. C., ENGLAND.** Cables—Sheepote, London.

SUSSEX CATTLE

The breed for hardiness and early maturity. The highest average daily gain, alive, 2 lbs. 8.34 ozs., and also the highest percentage, 68.02, of carcass to live weight of any animal, for its age, at Smithfield Show, was given by Mr. Gerald Ward's first-prize Sussex steer at the age of 681 days. Leading honors won at all the principal shows. Selections always on sale. Apply **G. Warde, West Farleigh, Kent, England. SUNNYLEA FARM.**

Holwell Manor Farm

SHROPSHIRE SHEEP FOR SALE. Twenty shearing rams; twenty shearing ewes; twenty-five ram lambs; also twenty Cotswold rams, shearlings and lambs. These are animals of choice quality. Prices very low, quality considered. Scotch collie puppies from first class stock. **D. G. GANTON, Elmvale P. O., Ont. om**

A CARLOAD of young Dorset ewes, a few good Chester White hogs, and an eight-months old Shorthorn bull for sale reasonable. **E. H. HARDING, Thorndale, Ont.**

American Leicester Breeders' ASSOCIATION.

A. W. Smith, Pres., Maple Lodge, Ont. Pedigrees now being received for Vol. 4. For information, blanks, etc., address: **A. J. TEMPLE, Sec., CAMERON, ILL. om U. S. A.**

Choice Shropshire SHEARLING RAMS and ewes, ram and ewe lambs bred directly from Imp. stock of the best breeding. Prices moderate. **G. A. BRODIE,** om Stouffville Station, Bethesda, Ont.

Shropshires—This season's crop of lambs for sale, numbering upwards of 50, of both sexes, from imported rams and prize-winning ewes. Prices reasonable. **ROWAT BROS., Hillsdale, Ont.**

SHROPSHIRE.

We are now offering an extra good lot of shearing Shropshire Rams and Ewes, some fitted for show, also ram and ewe lambs. All at very reasonable prices. **JOHN MILLER & SONS,** Claremont Station, C.P.R. **BROUGHAM, ONT.**

PRIZEWINNING COTSWOLDS.

Imported and home-bred stock, prizewinners at all the leading fairs. **ELGIN F. PARK,** om Box 21, Burgessville, Ontario, Canada.

LEICESTERS.

Ten pairs of Shearing Ewes, and this year's crop of lambs. Well woolled, well grown, and good quality. **Mac Campbell,** om Northwood Station, G.T. R. **Samson P. O., Ont.**

FAIRVIEW SHROPSHIRE.

Who wants a good flock-header? We are here, both home-bred and imported. Also a few show ewes, and a fine lot in fields. All guaranteed fully as good as described. Have in past satisfied customers and will again. Your orders will have my best attention. **JOHN CAMPBELL, - Fairview Farm, Woodville, Ont. om**

Lincoln Sheep and Shorthorn Cattle

Choice Lincoln Lambs of both sexes. Several carloads choice yearling rams and two carloads of one and two-year-old ewes, ready for Sept. and Oct. delivery. Also some choice young bulls, cows and heifers, which will make good herd foundations.

F. H. NEIL, PROP. Telegraph and R.R. Station, **LUCAN, ONT.**

SHROPSHIRE shearing rams, shearing ewes, ram and ewe lambs of choice breeding. Prices right. **GEO. HINDMARSH,** om Alisa Craig, Ont.

SHROPSHIRE—A flock of 110 head, fine, healthy sheep. Can supply 2-year, 1-year and ram lambs; also 2-year, 1-year and ewe lambs. Prices reasonable. **ABRAM RUDELL,** om Hespeler, Ont.

SHROPSHIRE FOR SALE—11 2-year-old rams, 14 shearing rams, 16 ram lambs, 20 ewe lambs, also shearing and older ewes. Registered or eligible. Low-set, well covered, in fine condition. Sires from Campbell and Dryden flocks. Prices moderate. **MALCOLM McDOUGALL,** om Tiverton, Ont.

W.S. CARPENTER

Breeder and Importer of **SHROPSHIRE SHEEP** Model Farm, Simcoe, Ontario.

Am offering a choice lot of yearling rams yearling ewes, ewe lambs and ram lambs sired by Imported Mills ram, "Ruddington Knight," and lambs by Thorpe Victor, first-prize yearling ram at Toronto, 1902. If you want something with price consistent with quality, a card will bring them.

Many Helpless With Paralysis,

Who Could Now be Well Had They but Known of

Dr. Chase's Nerve Food.

We do not claim that every one who is paralyzed can be cured by using Dr. Chase's Nerve Food, for many are beyond the reach of any medical treatment, and must finish their days in helplessness and suffering.

It is rather to those who are only partially paralyzed and to those who are slowly but surely developing the symptoms which indicate the approach of such ailments that we would suggest the advisability of using Dr. Chase's Nerve Food, the great food cure for diseases of the nerves.

When you find yourself lying awake at nights, suffer from indigestion and headache, feel drowsy after meals and losing energy, ambition and courage, it is time to pay attention to the nerves. You may find yourself irritable at times, worried over little things, unable to concentrate the mind, forgetful and absent-minded, disheartened and discouraged. Better give some attention to the nerves.

Dr. Chase's Nerve Food cures and prevents paralysis and locomotor ataxia. It does not ease by inducing unconsciousness and unnatural sleep. It does not deaden the nerves as do opiates and narcotics. But, on the other hand, by assisting nature and supplying the elements from which are formed new blood and nerve force, effects thorough and lasting cure, and is bound to benefit all who use it.

Seldom, if ever, has any medicine secured such hearty endorsement of physicians and people alike. The cures which it has brought about have often been most extraordinary, and anyone who regularly and persistently uses this great food cure is sure to find it of inestimable value as a nerve, restorative and blood builder.

By noting your increase in weight while using Dr. Chase's Nerve Food you can prove that new, firm flesh and muscular tissue are being added to the body. Fifty cents a box, six boxes for \$2.50, at all dealers, or Edmanson, Bates & Company, Toronto. To protect you against imitations, the portrait and signature of Dr. A. W. Chase, the famous recipe-book author, are on every box.

BEST and CHEAPEST
IN THE MARKET.

**Kemp's Instantaneous
Sheep-Dipping Fluid.**

1-gal. Imperial tin for
75c.

STRENGTH EQUAL TO ANY.

Instantly kills ticks and parasites on sheep and lambs. Improves and waterproofs the wool. A sure remedy for vermin, mange, etc., on horses, cattle, sheep, and dogs.

Ask your druggist for Kemp's Dip. I will express it, prepaid to any part of the Dominion, for \$1.

W. W. STEPHEN, Agent,
MEAFORD, ONT.

Only The Best. My small but select importation of Shropshires and Short-horns are just home. Imported and home-bred rams and ewes, bulls and heifers of the best quality and breeding for sale at moderate prices.

ROBERT MILLER, Stratford, Ont.
Representative in America of Alfred Mansell & Co., Shrewsbury, England.

LIVE STOCK

My small but select importation of Shropshires and Short-horns are just home. Imported and home-bred rams and ewes, bulls and heifers of the best quality and breeding for sale at moderate prices.

ROBERT MILLER, Stratford, Ont.

GOSSIP.

At the annual auction sale of Lincoln rams at Lincoln, England, August 14th, 36 rams sold for an average of £24 15s. The highest price, 68 guineas (\$350), was paid for a shearling ram from the flock of Mr. Tom Casswell, Pointon, purchased by the Messrs. Wright & Son, of Nocton Heath.

At the annual auction sale of Shropshire sheep from the flock of Mr. Alfred Tanner, held at Shrawardine, England, 37 yearling rams, 30 yearling ewes and 10 stock ewes were sold, the rams making an average of £16 17s. 9d., and the ewes £3 3s. The highest price for a stock ram was 100 guineas (\$525), at which figures two were sold, the first to Sir P. A. Muntz, and the second, a shearling, to Mr. E. J. Frank.

At the annual letting and sale of Hampshire Down rams from the flock of Mr. Dibben, Bishopstane, England, last month, eight ram lambs were hired for the season for an average of £26 8s., one being taken at the great rental of 100 guineas (\$525). At the annual letting of ram lambs from the flock of Mr. James Flower, nine lambs were let for the season at an average of £59.3 (\$295), two being hired at 135 guineas (\$708) each.

The American Leicester Breeders' Association have again secured the services of Mr. James Snell, of Clinton, Ont., who left for the range country of the U. S. on September 1st to dispose of registered rams for the members of the Association. Last year they placed two carloads, principally in Wyoming, and one carload in the Northwest Territory, and hope to do better than that this year. The secretary of the Association, Mr. A. J. Temple, reports business very good at this season of the year, and informs us that he is about to give into the hands of the printer the copy for Volume 4 of the Leicester Record, which will be issued some time during October.

Mr. T. J. Berry, Hensall, Ontario, who has been in Scotland, has purchased from Mr. John Kerr, Redhall, Wigtown, two well-bred Clydesdale stallions, both four years old, which sailed last month from Liverpool per the Nomadic. One of them, Royal Cumbrian (11164), bred by Mr. Kerr, is by his own noted stallion, Royal Champion (8956), a sire that leaves his mark in every show-yard in the North of England, besides being the sire of winners, both at the Royal and Highland Society's shows. Royal Champion is by the celebrated breeding stallion, Lord Lothian (5998), by Top Gallant (1850), by Darnley (222). Royal Cumbrian's dam, Darling of Redhall (12523), is an excellent breeder, being the dam of several stallions, one of which is now in Australia. All her produce have been more or less prizewinners. She is by the good breeding horse, Gartsherrie (2800), by Darnley (222). It will thus be seen that his breeding is of the best. Foals by him have already been prizewinners at several of the shows in Cumberland this year. The other horse, Lord Howatson (11406), bred in Dumfriesshire, is also extra well bred, being by Montrave Florist (10240). A son of the three-thousand-guinea horse, Prince of Albion (6178), by Prince of Wales (673). His dam, Violet (14252), which, in the hands of the late Mr. Patterson, of Robgill, won so many prizes as a yearling and two-year-old, is by the noted Mains of Aries (10379), by Prince of Wales (673), out of the great mare, Pandora, by Darnley (222). Considering the breeding of these two stallions, and the fact that they are both first-class doers, these horses, says the Scottish Farmer, should do well for Mr. Berry in Canada.

A GOOD HOG TROUGH.
Mr. Wilbur S. Gordon, Tweed, Ont.:
Dear Sir,—The hog troughs arrived in good shape, and I like them fine. Would not be bothered with wooden ones now, and can recommend them, and think I can sell quite a number. I expect to give you another order soon.

Yours respectfully,
W. S. G. HOGGLE
Tweed, Ont., Aug. 31st, 1903.

HILLCREST HERD OF Large English Berkshires



My breed sows are imported or show animals, and the sires are big, long fellows of the bacon type. For sale: An excellent lot of young pigs, and a few young sows recently bred. Can supply pairs not akin. Enquiries promptly answered. Vine station, G.T.R.—near Barrie. Jno. Lahmer, Vine, Ont.

We hold the world's public sale record for

Yorkshires

At the leading shows of America, in 1901 and 1902, we won 90 PER CENT. of all first prizes. Pigs of all ages for sale at all times. We have the best blood from the leading herds of the world. When you want something good, write us. Prices are moderate.

D. C. FLATT & SON,
Millgrove, Ont.

FOR SALE. Imported Cotswold ram, Fitzsimmons 13573, lambing in February, 1896. Bred by Robert Jacobs, Bur or 1, England, and imported by C. T. Garbutt. He is a sure lamb-getter and was winner of two first prizes at Toronto Exhibition. Also a number of breeding ewes and lambs, and Shorthorn calves sired by Imported Diamond Jubilee, 23861.

FITZGERALD BROS., Mount St. Louis, Elmvale Station, G. T. R.

LINDEN OXFORDS

A choice lot of rams, different ages, among them a choice imp. aged ram. Yearling ewes, imp. and home-bred. Give us a call or write

R. J. HINE, Dutton, Elgin Co., Ontario.

LINCOLN SHEEP. Pure-bred Lincoln rams for sale, 2 years old. Shearlings and lamb, 2-year-old, took prize at Toronto Exhibition, clipped 13 pounds wool last spring. Will be sold at reasonable price. Write for prices.

F. W. NICHOLSON, Flesherton, Ont.

"BROAD LEA OXFORDS." An offering choice ewe and ram lambs, shearing ewes and a few shearing rams for flock headers. Also young Yorkshire pigs of the best bacon types. Teeswater, C. P. R.

W. H. ARKELL, Mildmay, G. T. R. on Teeswater, Ont.

Newcastle Herd of Tamworth Swine
Have for a number of years taken a share of the best prizes offered at Toronto Exhibition, but this year has excelled all past records, having taken the sweepstakes for the best herd; also both silver medals for best Tamworth boar and best Tamworth sow, besides many other prizes in the various classes. Our present offerings are: A few choice young sows, 4 to 5 months old; 2 yearling sows, in pig; and we are now booking orders for spring pigs, both sexes. Enquiries promptly answered.

COLWILL BROS., NEWCASTLE, ONT.

TAMWORTHS.
FOR SALE: Two young sows, bred to Dandy = 2854 =, a good typical sire; also several young boars and sows of very best breeding.

BRONZE TURKEY EGGS—\$3 per setting.

HAZEL DELL, D. J. GIBSON, STOCK FARM, Bowmanville, Ont.

For Sale. Chester White swine of good bacon type, and Shropshire sheep. Write for prices.

W. E. WRIGHT, Sunnyside Stock Farm, Glanworth P.O., Ont.

Yorkshires. Yorkshire boar, 1 year; young boar ready to breed; young pigs, 6 weeks, both sexes; 3-year-old Cotswold ram, never beaten in show-ring.

C. W. THURSTON, Oak Heights.

BERKSHIRES and YORKSHIRES. For Sale—Boars fit for service; sows in farrow and ready to breed, and younger stock, all of the ideal bacon type. Pairs not akin.

JOHN BOYES, JR., Rosebank Farm, on Churchill, Ont.

GLENBURN STOCK FARM
ENGLISH BERKSHIRES of bacon type; choice young stock for sale; also Shorthorn calves, Shropshire rams and ram lambs. Prices reasonable.

JOHN RACEY, JR., Tennoxville, Que.

FOR SALE:
Yorkshires and Holsteins
Best type and quality. Young stock constantly on hand. Prices right.

E. HONEY, on Brickley P. O., instead of Warkworth.

YORKSHIRES FOR SALE.
Young sows, bred for Sept. and October farrowing, and young stock of spring farrowing on hand. Prices reasonable.

WM. HOWE, North Bruce, Ont.

YORKSHIRES
For Sale:—1 boar, Cotgrave King 11619, farrowed Oct. 23th, 1902, sire Summer Hill B. G. (imp. in dan); dam Cotgrave Lassie 7th (imp.); also young boars and sows. Write

C. & J. CARRUTHERS, Cobourg, Ont.

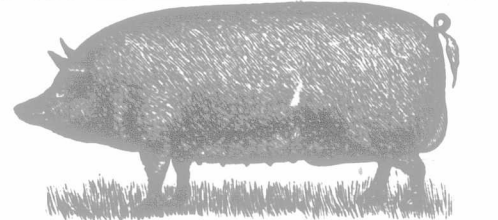
GLENBURN YORKSHIRES won Gold Medal at Ottawa, 1902. Herd averages 100, headed by the choice boars, Oak Lodge Prior and Pine Grove Squire. Twenty brood sows, 12 six-months sows, due to farrow March and April; 40 sows and boars, four weeks to three months old; pairs not akin.

DAVID BARR, JR., Renfrew, Ont.

Maple Grove Herd of Large ENGLISH YORKSHIRES

From imported and home-bred sires. Choice lot of young sows bred to imported boar, Summer Hill Dalmeny Cavalier = 10955 =, and a number of young stock from prizewinners. Pairs not akin supplied.

T. J. COLE, BOX 188, BOWMANVILLE, ONT.



One hundred Tamworth and Improved Chester White Spring Pigs of a true bacon type, our herd having won the best prizes offered at the leading exhibitions throughout Ontario and Quebec for the past ten years. Stock for exhibition purposes a specialty. We pay express charges between stations, and guarantee safe arrival of all stock shipped. Pairs furnished not akin. Write for prices.

H. GFORGE & SONS, Crampton P.O., Ont.

FOR SALE

at living prices—A choice lot of imported boars and sows, a number of good spring boars and sows. Also sucking pigs, furnished not akin. Importation made yearly from the leading herds of Britain. Write

H. J. DAVID, BOX 518, WOODSTOCK, ONT.

WILLOW LODGE BERKSHIRES

Herd headed by Longfellow 10th of H. F., assisted by the noted prizewinner, Highclere Crown 3rd. Sows, the best money will buy, and are winners. Young stock of both sexes and all ages for sale, not akin.

W. WILSON, Snelgrove, Ont.

PINE GROVE FARM HERD OF LARGE ENGLISH YORKSHIRES.

The oldest-established registered herd in America. We have 12 imported boars and sows and 20 home-bred animals breeding, and have a limited number of young boars and sows for sale, suitable for this fall's breeding. Satisfaction guaranteed in all mail orders.

Joseph Featherston & Son,
Streetville Station, C. P. R., and P. O. and Telegraph, Clarkson Station, G. T. R.

Yorkshires, Collies and Poultry

This month we are offering something extra in Yorkshire boars and sows, 6 weeks to 4 months. Will sell 10 yearling W. Wyandotte hens and two cocks, all fine stock. Choice pedigree collies.

J. A. & A. B. Armstrong, Warkworth, Ont.

Weston Herd Large Yorkshires

Choice young stock for sale, from imported and home-bred stock of highest breeding and quality. Prices low. Satisfaction guaranteed. My motto "Not how cheap, but how good." Telephone, Telegraph and Stations: C. P. R. and G. T. R., Weston, Ont. (electric cars from Toronto). Address: on

L. ROGERS, EMERY, ONT.

LANGELIER'S YORKSHIRES.

My importation of Yorkshires has arrived, and is rather better than I expected. Imported boars and sows now for sale at prices consistent with quality. Correspondence cheerfully answered.

GUS. LANGELIER, QUEBEC CITY.

Large English Yorkshires

Sows safe in pig, boars fit for service, sows ready to breed, boars and sows 2 and 4 months old. Satisfaction guaranteed in orders received by mail.

JAS. A. RUSSELL, Precious Corners, Ont.

VALUABLE PREMIUMS.

EXACT SIZE OF KNIFE.



AN A 1 FARMER'S KNIFE

Finest Steel Blades. Strong and Durable.
Beautiful Nickel Handle.

Manufactured by Joseph Rodgers & Sons,
SHEFFIELD, ENGLAND.

CANNOT BE DUPLICATED.

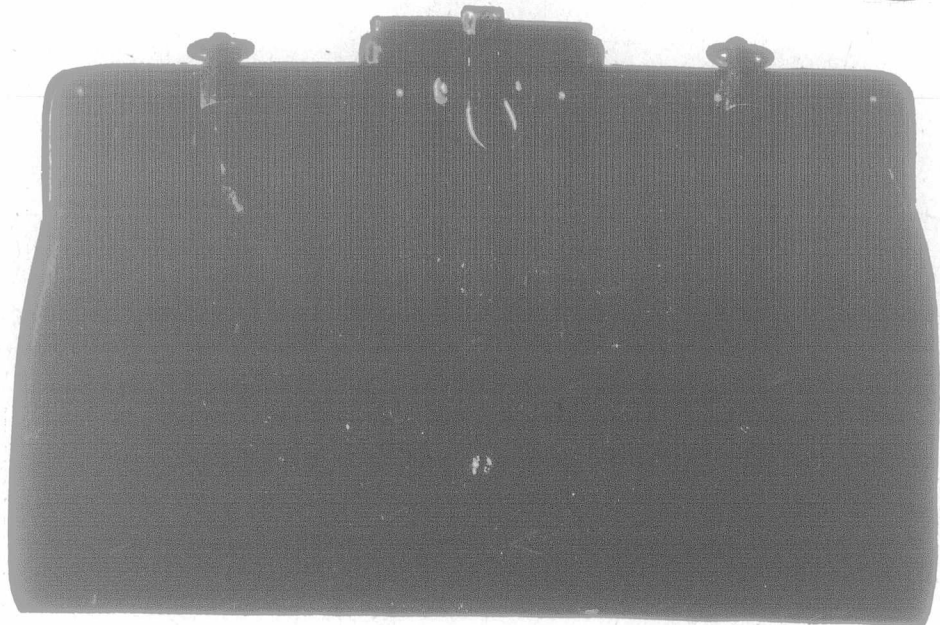
Every Farmer and Farmer's Son Should Have One
of These Knives.

START OUT FOR THE NAMES TO-DAY.

HOW TO SECURE IT.

SEND
New Subscribers **2** New Subscribers
TO THE
FARMER'S ADVOCATE
And we will send you the knife, postpaid.

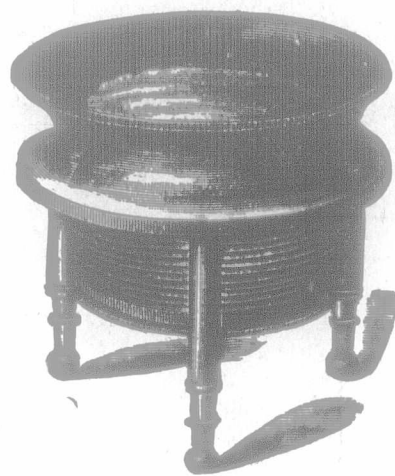
Lady's Hand-bag.



SIZE, 4½ x 7½ inches.

A magnificent Hand-bag, leather-lined, leather handle, nickel-plated clasp, for 3 new subscribers. Cash price, \$1.50.

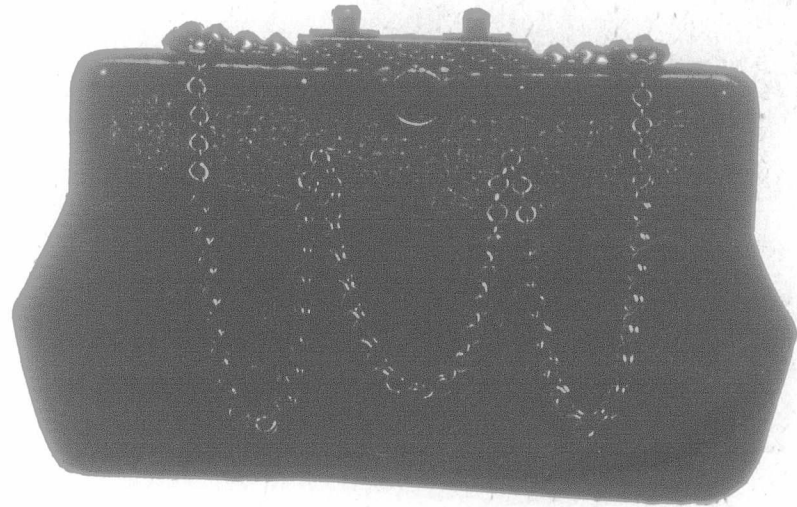
THE MICROSCOPE



Is a means of great entertainment and instruction in the home and out of doors. To meet the wishes of many subscribers, we have arranged with a first-class firm for a supply of those instruments; which we now offer:

Tripod Microscope, with strong magnifying lens, useful for examining weed and other seeds, insects and other small objects, for obtaining one (1) new subscriber to the FARMER'S ADVOCATE.

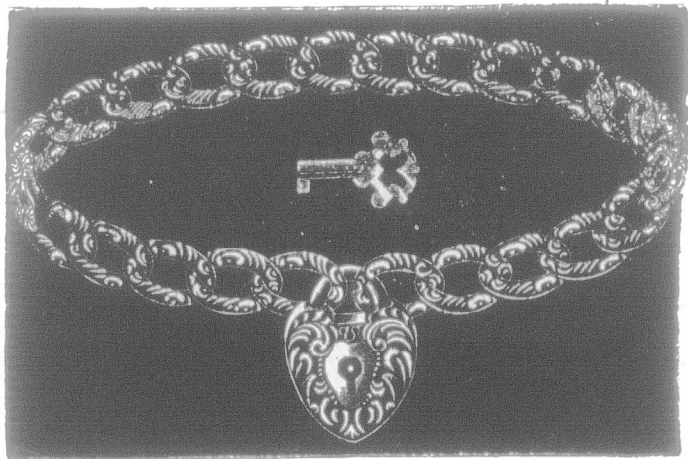
Lady's Wrist-bag.



SIZE, 3½ x 6 INCHES.

This handsome Wrist-bag, leather-lined, nickel-plated clasp and chain, for 2 new subscribers. Cash price, \$1.00.

Handsome Curb-link Bracelet: Silver Filled



For 2 new subscribers. Sterling silver for 3 new subscribers. For each additional new subscriber, two Sterling Silver Friendship Hearts.

Our Self-Binder

HANDY, DURABLE and ATTRACTIVE. Made to contain the 24 issues of the year. We will forward this Binder, postpaid, to anyone sending us the names of two NEW SUBSCRIBERS and \$2.00.

BEGIN TO CANVASS AT ONCE

Subscriptions may begin with any month, and include our annual Christmas number. Write for sample copy. CASH MUST ACCOMPANY NEW NAMES. Subscription Price, \$1.00 per Annum.

THE NAME OF SENDER DOES NOT COUNT. NEW SUBSCRIPTIONS MUST BE FOR FULL YEAR EACH.

THE WM. WELD COMPANY, LTD., LONDON, ONTARIO.

Water Basins



EIGHT TALKS ON THE "WOODWARD."

TALK TWO. Very few are in the DAIRYING BUSINESS for fun. You are after profit. Our "Water Basins" will give you more than any other returns. **INCREASE OF MILK** in actual fact. **FACT! WRITE US.**

Ontario Wind Engine & Pump Co
TORONTO. Limited.

DOUBLE BARREL

BRECH-LOADING GUN



AT
\$8.50

Manufactured by the celebrated gun firm of J. Mauton & Co. Order early, as we only have a limited stock.
F. Hamilton Co., Limited, Hamilton, Ont.
Wholesale and Retail Hardware and Sporting Goods.
Full stock of cartridges for old and new model rifles.

Every Farmer Should Have a

2,000-lb.

KING EDWARD SCALE

Manufactured by



Get our special prices this month

C. Wilson & Son, Ltd., Toronto, Canada.

TORONTO ENGRAVING CO.
92 BAY ST
CUTS BY ALL PROCESSES
LIVE STOCK A SPECIALITY

WE WANT GOOD reputable persons everywhere to sell our new Sanitary Combs. Positively sell on sight, and are absolutely guaranteed unbreakable; will remove dandruff, cure falling hair and headaches. Money refunded if not satisfactory. Sales large, and active agents are actually becoming rich. Work your own town or travel. We tell you how. Write for terms without delay. 50c. sample, 25c. postpaid. Address **PROF. LONG,** 5 Day St., St. Thomas, Ont.

LAND 50,000 acres railroad and homestead, South-eastern Saskatchewan. Price \$3.50 to \$4 per acre, ten years' time. Prairie and timber, cattle and wheat (forty b.), on new railroad. Cheap excursions. **AGENTS WANTED.** Write for map and particulars, Room 810-12, 172 Washington St., Chicago. Scandinavian-Canadian Land Co.

CHANCE OF A LIFETIME.

Magnificent 25-acre farm in splendid condition, adjoining thriving city, together with old-established city milk business bringing in \$500 a month cash, with or without stock, implements and complete milk outfit, \$10,000 cash, balance at 5 per cent. This is an extraordinary opportunity. Speak to **DEMSBY & CLARK,** Real Estate, Woodstock, Ont.

Agricultural College.

- (1) Two Years' Course—Associate Diploma—Sept. 14, '03.
- (2) Three Years' Course—Associate Diploma and Specialist Certificate in Agriculture or Horticulture—Sept. 14, '03.
- (3) Four Years' Course—B. S. A. Degree—Sept. 14, '03.
- (4) Courses in Nature Study and Domestic Science—Sept. 14, '03.
- (5) Three Weeks' Creamery Course—Dec. 1st, '03.
- (6) Three Months' Dairy Course—Jan. 4, '04.

LADIES ADMITTED TO DOMESTIC SCIENCE AND DAIRY COURSES.

Send for General or Special Circulars.

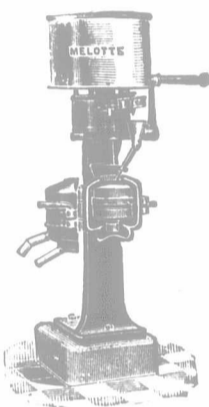
Guelph, July, 1903.

JAMES MILLS, M.A., PRESIDENT.

'Melotte' CREAM SEPARATORS

SKIM CLEANER THAN ANY OTHERS.
TURN EASIER WEAR LONGER

Sell your two poorest cows and buy a "Melotte" with the proceeds.

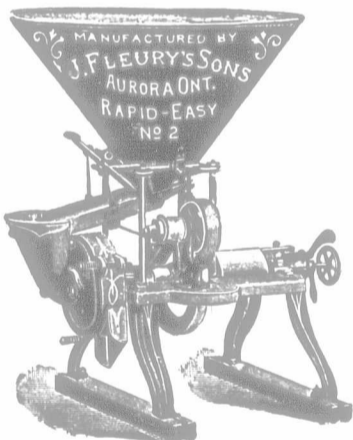


You will make just as much butter and have warm, sweet milk for the young stock. You will save the care and feed of the two cows as well as the labor of milking them.

SENT ON TRIAL.

WRITE US FOR ILLUSTRATED BOOKLET.

R.A. LISTER & CO. LTD. 579 & 581 ST. PAUL ST. MONTREAL



CUSTOMERS' EXPERIENCES

"RAPID-EASY" Grinders.

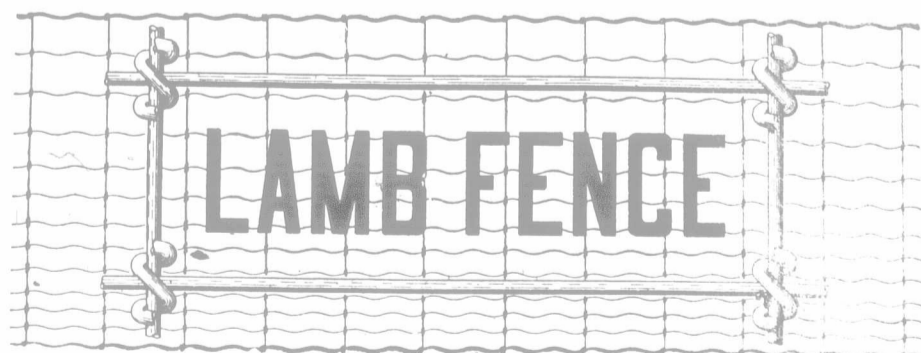
I have used the FLEURY NO. 2 ten-inch Plate GRINDER about two years, driven by windmill. I can run through 50 bushels oats and peas (mixed) per hour. I find plates extra good. Although I have ground a very large quantity, I have not had to get new plates yet. **JACOB BILGER,** Carrick, Ont.

Your "RAPID-EASY" GRINDER, which we bought in January, has been pronounced to be the best that has ever come into this locality, and we think very justly. The first two pairs of plates (those that came with the Grinder) ground over 1,300 bags, and did most of it very fine. "Rapid-Easy" is all right; a more suitable name could not be found. **JNO. STATTON & SON,** Grand Bend, Ont.

We have one of your No. 2 ten-inch Plate GRINDERS, which we run with a threshing engine. The machine runs very true, and in balance and gives best of satisfaction. Your plates have great wearing qualities. We have ground 1,200 bushels of mixed grain before having to reverse the plates. There are other makes of grinders in this section, but the "FLEURY" is superior to them all. **MCCONNELL BROS.,** Brant Tp., Ont.

A Fine Lithograph Hanger and all information on application. Write without delay.

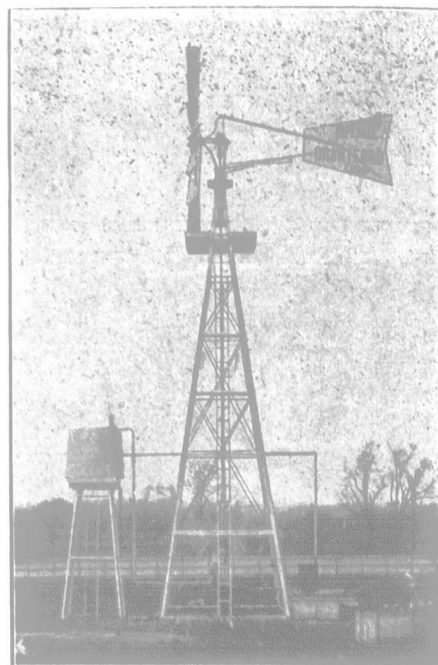
J. FLEURY'S SONS AURORA, ONT., CAN.
MEDALS: WORLD'S FAIRS—CHICAGO AND PARIS.



Rigid Because It Has a Hard Wire Upright.

THE H. R. LAMB FENCE CO., LTD., LONDON, ONT.

In answering any advertisement on this page, kindly mention the FARMER'S ADVOCATE

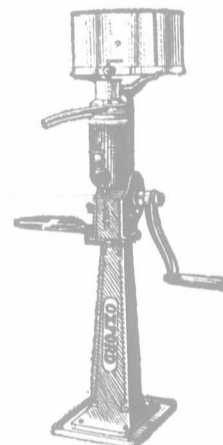


CUT OF

"IMPERIAL" PUMPING WINDMILL

Outfit which won the CHAMPIONSHIP OF THE WORLD against 21 American, British and Canadian manufacturers, after a two months' thorough trial. Made by **GOULD, SHAPLEY & MUIR CO., Limited,** Brantford, Canada.

THE OXFORD CREAM SEPARATOR



skins cleaner, is easier to wash, better constructed, turns earlier, and is handsomer in appearance than any other cream separator built in Canada, or elsewhere. Don't buy any other until you have seen it. It is the best and cheapest in the world. Manufactured by

Durham Manufacturing Co., Limited, DURHAM, ONT.

Every house needs a New Century Washer.

It is the best, you cannot afford to deprive your wife of so valuable an aid. It has ball bearings and strong spiral springs—thoroughly cleanses a tub-full of clothes in five minutes. Have your dealer show it to you or write us for booklet.



THE DOWSWELL MFG. CO., LTD., HAMILTON, ONT.

Barred Rocks Exclusively.

Stock for sale: 1 good year-old male bird of Bradley Bros.' strain, and a number of good breeding hens of Hawkins' strain, to dispose of. Write for prices. **A. E. SHERRINGTON,** Walkerton, Ont.

Barred Rocks Pekin Ducks.

We have some fine young stock coming on for the fall trade. Our circular is free. **H. GEE & SONS,** Selkirk, Ont.

Send for one of their handsome "Cock o' the North" lithograph hangers to **American-Abell Engine and Thresher Company, Limited,** Toronto.

\$3 a Day Sure

furnish the work and you can make \$3 a day in the locality where you live. Send for circular and we will explain the business fully, remember, you work for \$1 for every day's work, and we will pay you \$2 more.

IMPERIAL SILVERWARE CO., 1000 BROADWAY, ONT.