Toronto, Sptember 1, 1903

EXHIBITION NUMBER \$1.00 a year in advance

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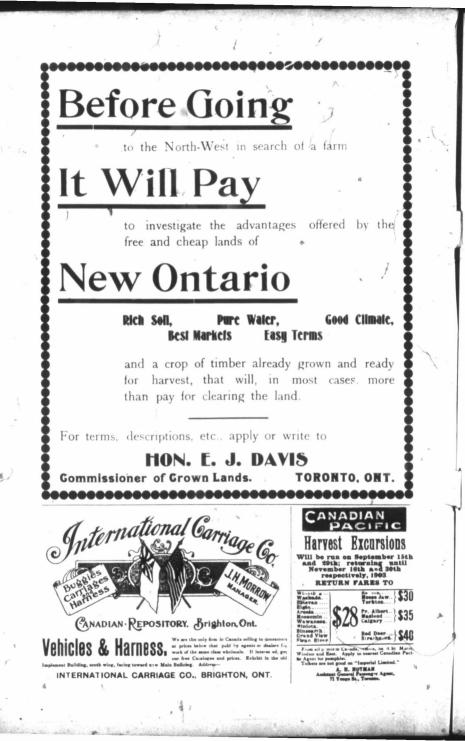
THE FARMING WORLD

IMPORTANT ANNOUNCEMENT

We have in acuse preparation and shall publish at an early date, an fuportant work, of reference for famous and stock men, entitled THE FARMER'S HANDY BOOK. It will contain in concise form, and conveniently arranged for ready reference, information not elsewhere readily accessible. Among the important subjects will be Like Stock, Darryng, Cultivation of the Land, Experimental Farms, Agricultural Colleges, Transportation, Markets, Tables, Diagrams, Fasts, Statistics, etc.

etc. As nothing of the kind at all comprehensive has heretofore been attempted in Canada, we believe the book will be received with much favor in all parts of the Dominion.

THE FARMING WORLD





.........

Paid-up-Capital . Reserve Fund Total Assets Over

....THE

BANK OF TORONTO TORONTO, ONT.

Savings Account with Us

will be

A Paying Investment for You.

Interest Paid on

-Deposits-

Compounded twice a year

is an expert

8/ OO a year ?

Course given by

teachers are experts.

6

any of our offices you will receive courteous treatment and our best services.

\$2,800,000

INVEST SID in a business that will bring you large returns. Here, is an opportunity memory project of what will here in the one of the grantest in the one of the grantest in the constry, and can be done on the server in the constry, and can be done on the server in the constry, and can be done on the server in the constry, and can be done on the server in the constry, and can be done on the server in the constry, and can be done on the server in the constry, and can be done on the server in the constry, and can be done on the server in the constry, and can be done on the server in the constry of the server in t

immense profits of what will shortly ar one or the greatest industries in the country, and can be done on the easy raving plan of \$10 down and \$10 a mooth for single months. This makes is possible for readers of th's paper to faile immediate adventage of this exceptional offer. It presents the best opportunity ever offered to readers of Twa Farstica, Workle, You cin pay all down if desired. Send at once for free booklet to

J. C. SIEMON

dustrial Builder, Confederation Life

When answering advertisements

mention THE FARMING

The

Farming

World.

Toronto.

SIRSI-Plea

cán pay all for free

HORSE SHOE PADS

add years to the working life of a horse.

Lameness

The Dunlop Tire Company, Limited TORONTO

41

Poultry Raising Free

1.-Poultry Raising is a money making business for the man, woman, boy or girl who

30000 a year / — Hare you a propenly-constructed, warm and well-ventilated poultry house ? — Do you know the best breeds of fowls, the principles of breeding and maxing ? — Can you produce eggs in whiter in paying quantilis ? — Do you wish to know how to make eggs keep ? — Can you faiten, kill and dress poultry for home and foreign markets so that you will make money by it ?

All this and more you are taught by mail in the Poultry Raising

CANADIAN CORRESPONDENCE COLLEGE. Limited

This is a first-class Canadian educational institution, whose

A SPLENDID OPPORTUNITY for every

farmer's son and daughter to get a thore practical course in **Poultry Raising** free.

THOSE WHO REPLY IMMEDIATELY

WILL GAIN AN ADVANTAGE.

Would you like to know mose about it? If you all interested in the matter, write to THE FARMIN at LD, and we will be pleased to send you full particu-bloot the course, and how you can get it free.

Do you know that a small flock of hens should give you a clear profit of \$100 to

brough and

P.O.

.............

Pros

always WORLD.

They Prevent

Horse Shoe Pads increase the speed possibilities and

Spreading of the Hoofs.

Straining of the Tendons.

They make him workable and hardy.

Write to us for our sprcial proposition, mentioning this paper.

Cracking of the Hoofs. Balking in Winter. Slipping.



The Farming World Man at the Fair. B. H. Bull & Son of Brampton. Ont., were successful in carrying off a large number of honors at the recent Winnipeg Fair. Their aged sow, Lady Winnipeg Fair. Their aged cow, Lady Fawn, won the silver medal. This cow is not only a fine show animal, but holds a record in butter of tween-ty pounds in one week. The second The second rize went to their exhibit Pet. the three-year-old heifer class Brampton Lassie won first place. This heiwas never beaten. Crusoe's Belle took first in the two-year-old heifer class, and the herd also got the third prize, the winner remaining in the West. In the yearlings, their Brampton Oueen the yearlings, their Brampton Queen won first honors, and Messrs. Bull & Son refused an offer of three hundred dollars for her. In calves under dollars for her. In calves under one year they captured first place, and in calves of calendar year first and se-cond. In aged bulls first prize and sweepstakes went to Blue Blood, a remarkably fine typical dairy animal, while in the two-year-old class they while in the two-year-oid class they captured first and in the yearling and calves under one year first and se-cond, and in calves ol calendar year second It will thus be seen that Messrs. Bull & Son have been successful in capturing no less than seventeen ul in capturing no less than seventeen orizes, one silver medal and one weepstake at the great fair in thè West. A large number of the prizes prizes. West West. A large number of the prizes were won by gets of their herd bull Brampton Monarch, a number of whose calves are now to be offered for sale.

R. Humter & Sons will exhibit at the fairs a number of really choice and fashionable animals from their herd of Ayrshires. Among them will be a number of new importations, all of them prize winners at the great shows in Scotland. The splendid twovear-old heifer, Queen of Bloom, won first honors three times stylish Alice, another two-year-old, is a very fine breedy looking animal. A threeyear-old cow, Kirkland Sparrow, a winner of first honors =at first honors at New a winner of first honors at New Cummock, another winner there being the aged cow Queen of the Sonsies, a cow of the finest typg and quality. A number of Canadian breds of good quality will complete the herd

A Thriving Concern.

The Lamb Fence Co.'s new factory London, Ont., is now as comp and up-to-date as any factory of as complete and up-to-date as any the building kind can possibly be. The building measures 119 feet, and has the postructed for the the been specially constructed for the manufacture of fences. Next year the firm expect to fully double this year's output, and considering the deserved popularity of their manufacture, such expectations are by no means unreas-onable. They have a nice exhibit on Toronto Exhibition grounds, and their farm and hog fences are worth inspecting.

Wants Place on Ontario Farm.

A young married man, with a small family, who is now holding a respon-sible position on a farm in England, is desirous of securing a similar posi-tion in Ontario. Any responsible farmer requiring the services of such a man may secure his address and far man may secure his address and fur-ther particulars by writing to Mr. Thos. Southworth, Director of Colonization, Parliament Buildings, Toronto.

"The Repository" Cor. Simcoe and Nelson Streets - TORONTO



Horses, Carriages, Buggies, Sleighs, Cutters, Harzess, Saddles, Rugs, Whips, Blankets, and every stable requisite. Auction sales every Tuesday and Friday at 11 a.m. Private sales every day. Consistements associated

Special Unreserved Auction Sales

On Wednesday, September 23rd, at 1.30 p.m.

The great sale of

Trained Polo Ponies, the property of Mr. Henry R. Middleton, Okotoks, Alta. Catalogues now ready.

And on Wednesday, October 7th, at 1.30 p.m.

Important sale of Imported Shires, all registered, including Prize Winning Stallions and Fillies of the highest order. The property of Mr. S. George MacKaness, Northampton, Eng

Write for Catalogue.

542

WALTER HARLAND SMITH, Auctioneer

All above horses will be on view at the Repository for inspection for four days previous to sale



The Safety/Fruit Picker at Work.

PUBLISHERS' DESK

We call the attention of our readers to the advertisement of the International Carriage Co., of page 540 which it will pay all intrehested parties to investigate. They supply catalogues free, with prices and full information. They inform us that owing to the large number of exhibitors applying for space; that's they are only able to get space to show two of their staple jobs at the Toronto Fair. But these guilt be taken as supplied regularly, and not specially as exhibition finished jobs. Look for their exhibit in the old Agricultural Implement Bidg, south wing. lacing towards new Main Building.

Half Bottle Cures Spavin

Stittsville, Ont , June 23, 1903.

Dr. B. J. Kendall Co., Enosburg Falls, Vt.

Will you phase send me a copy of voir "Treatise on the Horse and his Discases" I have used your Kendall's Spavin Cure with great success I had a mare three years ago with spavin alld I only used half a bottle and it cured it completely and she has never been lame since, so now I have great faith in your Spavin

Very truly yours,

Jas. H. Neil.

Sharples' Late Catalogue

Wheever enjoys spicy reading and is at the same time interested in the hand cream separator question, will find a happy combination of the two in the Sharples' Catalogue just now off the press. Our readers are familiar with the positive, fearless style of the Sharples advertisements. The share agreessive spirit theards that the sharples advertisement is the same agreessive spirit theards that the anguest is more room to set the argument down. A very interesting chapter is that in which the progress and gradual development of the doughty thubairs is recounted. The Sharples' factory is the oldest in the country and is rich with first experiments with all the phases of separator making. The advertisement elseghere gives correct address in writing bor catalogue.

Apple PickingWith Ease.

The illustration on this page shows the Salety Fruit Picker at Work. Judging from the great amount of labor attached to harvesting the apple crop, this new invention should be of very great help to orchardists. It consists of a rubber-covered wire

It consists of a rubber-covered wire hood, attached to 12-ft. pole, which grasps the fruit the same as the baman hand, tilts it up, and a single twist releases the fruit and drops it down the chute into a cawas bag at the waist of the operator without brusing or coming in contact with the other fruit. It can be inpursely as man. The pole is bamboo, which easures lightness and stability, and is divided into 8 and 4-hoot lengths which holds the mouth of the chute in position allows for the interference of the branches. The whole outfit weighs only two and eme-quarter pounds. The bag is made of chavas duck, and is attached to a steel wire frame, which conforms to the contour of the body and is strong and 4 strable and holds once-half bashed of fruit. It September 1, 1903.

ANED BY OLTON BROS GUELPH. ONT. FERAPID AND EASY DOUBLEROOT CUTTIR

Root Cutter Points of Merit:

Totton's No. J Double

- 1. To change from pulping to slicing is but the work of a moment.
- 2. There are two separate wheels, one for pulping and the other for slicing.
- The united force of both wheels is always used in doing the work in either capacity.
- 4. The hopper is between the wheels, and does not choke.

The Only Double Root Cutter Manufactured.

Fitted with Reller Bearings. Steel Shafting, and all that is latest an bast in principle material and construction.

TOLTON BROS. GUELPH. ONT.

A MAN

does well to be guided by the experience of other men. One of our customers

WHO BOUGHT A "PRINCESS"

writes as follows : "After having turned the milk from six cows through the separator I

WAS SATISFIED WITH IT

All farmers who are in need of a separator should buy a "Princess." I can't speak too highly of it. It is so easy to clean

AND

it turns so easily that any child can turn it. You

CANNOT PRAISE IT TOO HIGHLY

I enclose the cash and thank you very much for your prompt shipment.' ŵ.

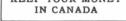
We will send you his name and address, and either he or ourselves will be glad to answer any and all erquiries.

"PRINCESS" CREAM SEPARATOR'S Sole Agents-CAMPBELL ARNOTT & CO., TORONTO.

Why is the Magnet like a Paper of Needles? Their say for points. Yet, it is any for points. Yet, it

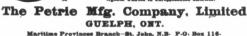
n which it can be cleaned, its strength and durability. Professor Dean, of the Dairy Department of the Ontario Agricultural College, in againing of the Magnet Cream Separator, may in chief poles this minute, steamed these of motion, durability, mass in cleaning, and general coversions. They use a Magnet at the college dairy. That is why the Magnet Cream Separatoric like a paper of needlen—this poles are many and KEEP **KEEP YOUR MONEY** MONEY

> IN OANAD



In referring to forsign machines, brought into Canada in pieces, put ogether, and sold to dairymen and farmers as first-class separatory. Professor sen away: "We are pleased that such a good machine as the Magnet has seen designed and made in Canada. Canadian dairymen would do well is equire into the merits of Canadian-made Separators before purchasing." Write for illustrated catalogue, or ask our local agent in your locality to w you the Magnet.

Agents wanted in unrepresented districts.



is held in position by a wide canvas strip which goes over the shoulder, with an adjustable snapper to secur, it, which is easily detached to facili-tate the emptying of bag when full.

Education on the Farm

To farmers, who are desirous of iving their sons and daughters better education and yet are unw ing for them to leave the farm, unwill We dian Correspondence + Collage. This college, which is a purely Canadian dian Correspondence «Collage: This college, which is a pirrely Canadian institution, has courses to interest all If your boy wishes to become a larmer, he can study at home all the scientific principles which underlik farming. Courses 'in all the high school subjects are also given by mail and for the guits there is a plendid and for the guits there is a plendid hold science We drives all means hold science. We advise all farmers to write to this college for partica-lars and their free booklet.

Many Horsemen to Gather

many georgement to Gather The rayer to be run off at the Cap-trai Cayada Fair next month promise to be the greatest in the Capital's history. The circuits in Quebec, On-tario and Northern New York con-clude the week before and a great jumber of horsemen, it is learned, will gather at Ottawa and race their horses for the very liberal purses of-fered On Monday. Sept. 14th, there will be one trotting and one running event. All the other days there will be two running and one trotting event. All the other days there will be two running and one trotting events. The entries close on Septem-ber 8th. Arrangements will be in such a condition that it will suit the most particular of the owners of runners.

Newcombe Piano Company, The Limited, whose advertisement appears Limited, whose advertisement appears on another page of this issue, are making rapid strides in capturing business throughout Canada. This company is the outgrowth of the business organized thirty years ago by Mr. Octavius Newcombe, who is now the president of the company. now the president of the company. The reptation of the Newcombs pi-anos is well known. They have been awarded several international tri-umphs, among these being the Silver Medai and Diploma in thew Orleans in 1884, Medal and Diploma at Los-don, England, in 1885; Chicage's greatest award in 1893, and the award of the Gold Medal at the Paris Ex-polytion in 1900, in competition with nearly three hundred manufacturers. The exhibit of this company in the new Manufacturers' Building at the Dominion Exhibition, is mest artistic, both as regards their piano designs

Dominon Exhibition, is meet artistic, both as regards their piano designs and the decoration of their pavilion, and all interested in pianos are cor-dially invited to visit both their pa-vilion at the fair grounds, and their factory and showrooms in Toronto.

We would draw our readers' attenwe would draw our readers' atten-tion to the advertisement of the Chas. Rogers & Sons, Ltd., a firm which, since the year 1834, has enjoyed an enviable reputation as makers of and dealers in high-class furniture. Such long experience has been productive. Swan long experience has been productive of facilities which enable Messrs. Rogers to offer their patrons really high-class goods at remarkably low prices. We have inspected the articles adver-tised in this issue, and have every confidence in recommending them our readers as very exceptional value.

543

544

THE FARMING WORLD

A Square Offer

THE readers of this

but will be greatly benefited

by a magazine such as CAN-

ADIAN GOOD HOUSEKEEP.

ING. We have therefore

concluded arrangements

with its publishers whereby

our readers can secure it in

connection with THE FARM

ING WORLD at a very low

Send us \$1.50

price.

journal will not only

be interested in,

CANADIAN **GOOD HOUSEKEEPING**

A "homey" magazin original, bright and full of good cheer is Good HOUSEKREPING. It has a distinct flavor which fascinates and yet helps every member of the family-father, mother daughter, son.

in their respective spheres are contributing real GOOD HOUSEKEEPING

principles underlying all vital ques ons affecting the home life in its broadest sens

and we will send you CAN ADIAN GOOD HOUSEKBEP ING and THE FARMING WORLD both for one year. New subscribers receive the remainder of this year free.

THE FARMING WORLD 90 Wellington Street West FORONTO, - - ONT



GIVEN AWAY

We will give this watch away absolutely free anyone sending us six new subscriptions to to



The Farming World. Here is a watch that is a credit to anyone who wears it. It is handsome, solid nickel, and is guaranteed not to wear. The special engine turned back adds greatly to the appearance of the watch. It is an excellent timekeeper. In fact you will find that it runs as accurately as any twenty dollar watch. It is manufactured by a well-known firm

especially for The Farming World, and we have no hesitation in recommending it to all our subscribers.

Don't Delay Get to work at once and you will easily persuade six people to subscribe to The Farming World at our low rate of \$1.00 a year.

New subscribets receive the remainder of this year free.



September 1, 1903.

The Oak Hall Clothing Co. commences an advertising campaign in our paper with this issue-and a more propitious moment could scarcely have been chosen. The crops are in, have been chosen. The crops are in, and the crops are good, the weatker is becoming quite chilly in the early morning and at evening. One begins to think of fall wear, and of winter wear. Then, the boys are returning to school, and no doubt there will be many a little pair of panta well vea-tiant of a grindstone, as depicted on page 502, but as the natural conse-quence of holiday romps. All that is necessary is to send for a measure-ment slip, at same time giving parnecessary is to send to a measure-ment slip, at same time giving par-ticulars of what you wish. When you get the slip, fill it in carefully and return to The Oak Hall. They will do the rest. See their ad.

Artillery's Work in War

That exhibition by Ottawa Field Battery men at the Central Canada Fair in Ottawa should be a thrilling and attractive one. The artillerymer are to give representations of artillery are to give representations of artiliery work in war and as men who will take past were in the rear guard ac-tion at Lilliefontein, where they sav-ed their guns from the Boers, only by the most determined do or die by the most determined do of die work, there are none better qualified to give such an exhibition. This is the work over which Gen. Dundonald grew so enthusiastic at the recent grew so entimatastic at the recent camp at Deseronto. The Ottawa fair rups between the 11th and 19th of September and all indications are that it will be the best in the association's history. 4

The Provincial Winter Fair

The most sanguine person who ac-tended the first annual Provincial Winter Fair, on December fath and 1sth, 1883, in the stables of the Com-marcial Hotel at Toronto, and there viewed the one hundred and thirty-four entries exhibited, could hardly have expected it to become the strong factor it has in the improvement of has in the improvement the live stock industry

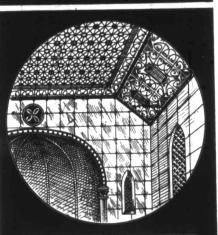
During the first ten years of its ex istence the Fair met with many reverses and comfinued to gradually de verses and conclusion cline, until 1891, when there were only eighty-one entries, with \$325 premiums. The following and Swine as premiums. The following the Dominion Sheep and Swine vear Breeders' Associations joined with the previous management. This gave fresh impetus and resulted in increas ing the number of entries to one hundred and sevenly-one, and the amount paid in prizes to \$1,453. Since 1892 each year's show has shown al marked improvement upon its predecessor. Last year there was a total of 3.945 entries, and prizes to the amount of \$7.750 were offered.

many years the show y tory, being held each year own or city that offered For transitory, being the town or city in the most favorable inducements. From its inception the Fair has received the hearty support of the County of Wel-lington and the City of Guelph, and in 1900 their continued interest was manifested by the erection of a mag-Was nificent stone structure, which is not the permanent home of the Fair. The location of Guelph being central with good railway facilities, truly meriting its the the city 18 truly meriting its title of Smithfield of Canada." The

The management of the Fair con-siders that the prizes now being offerbring are sufficiently large to brin h the best fat stock that skilfu ed forth the prize list for the next Fair, which has just been distributed, September 1, 1903.



THE PEDLAR PEOPLE



Church Interiors

Can be attractively decorated by using our embounded Steel Ceiling and Wall Panels. They are beautiful in design. They do not warp, abrink or crack and fall off.

shink or crack and that off. They can be placed in position either over old plaster or direct to the joints of a new building.

The Cost

About the same as a good Plaster or a Wood Celling. We will send our result in new 230page Catalogue to Architects, Builders and Contractors, Propriy-owners or any others interested in up-to-date sheet metal building materials on request.



shows very few changes form: last year. Special attention will be given this-year to the selection of lectures and their topics with the object in view of having practical subjects dealt with by persons of caperience and authority. With all the layorable indications: the twentieth anniversary of the Fair may-le expected to gelipse even the grand success of last year.

How Goods Sell /

To make a permanent success of advertising any line of goods, this goods theselves must have intrinsic merit. They must be worth the cost and make friends for themselves on their merit, for it is a rare thing to make money from single subcs

their merit, for it is a rare thing to make money from single sales. The great advertisers do not advertise to make money directly from the first sales. They advertise to introduce their goods and give them an opportunity to get a footing in the goods are all right, they are their own best advertisement, and all once introduced will sell.

Those of us who are old enough teremember when the sewing machines and organs were first pushed to bale in the country, know how hard its was to make a sale in a new neighborhood. To get one placed the agent terms. He might not any kind of terms. He might not any kind of terms. He might not any kind of terms are also any select the sale were the the concessions he made were in the nature of advertising. Prequently profit was such ig order to sell, a machine or an instrument in a new neighborhood.

netgrinoitacoi: the days a piano in a farm house was hardly thought of. When were organ or sewing machine was hold in the days of the d

Organs, sewing machines, pianos, carriages, sulky plows, harvesters and all the things used on a farm have not been infroduced because there was a demand for them, but because a demand was created for them.--White's Class Advectrising.

Books and Bulletins Received

CLYDESDALE STUD-BOOK of Canada for 1902, Vol. XII, containing pedigrees as follows: -Stallionas (3133) to (3723) and mares (3307) to (4221). Published by the, Clydesdale Horse Association of Canada.

HOLSTER PASICIATION OF CAMBOAN HOLSTER AND FRIENN YEAR BOOK. Published by the Holstein-Friesian Associations of America and containing official records of cows and their sires, and list of official batter and milk records 1894 to 1902. It is well illustrated.

PROPAGATION OF TROPICAL, FRUIT trees and other plants—Bulletin No. 46, U.S. Department of Agriculture.

LIFE OF TUBERCLE BACILLUS in cheese. By F. C. Harrison, Agricultural College, Guelph.

cultural College, Guelph. THE MANURING OF MARKET GARDEN CROPS. By Bernard Dver, D.Sc. and F. W. E. Shrivell. Published by Vinton & Co., Ltd., 9 New Bridge street, Ludgate Circus, London, E.C., England Pauphlet well illustrated and dealing with the soil and fertilizers required in all market garden crops. Price one shilling.



Head Office of The Frost & Wood Company, Limited Smith's Falls, Ont.

F the many handsome offices erected in Canada during the last ten years, probably none are more complete in equipment for the handling of a large business than the new office of The Frost & Wood Co., Limited, Smith's Falls, Ont.

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546

For many years the Company occupied an office at the foot of Market Street, opposite the works, but space was needed for the extension of the factory, and a large blacksmith shop now occupies the site of the old office.

ecopies the site of the Silcefflee. The see offlee is Sift by Sift, well lighted and resultated, two stories high, and built of Million red presend brick, trimed with wolts and stores. The entrances are dashed with including the species results of the store corridor and staircase. On one side are the handgeme private offlees of the C. B. Frost, Press, Vice-President. The rest of the first floor is taken up with the large general offlee and with separate rooms for the secretary and a hands.

Constitute A broad sixtreay leads from the main corri-dor to the second floor where there is a series of departments. A private telephone stochauge conneces all departments with the Works and the main lines. On each floor there is a com-molious frequeof vault for the seek seeping of all books and papers in connection with the business.

The office is joined to a large four-story brick marchouse which is itself connected with the

and a credit to the Company. The scriptify increasing butiness of the Frost & Wood Co., Limited, has taxed the manu-facturing facilities to the summer's, and for-to the Works in the shape of large warehouses, new moulding and balancing the holps, and other Works has been increased threefold in the last frey years, and there is still a down of rom mor-al large factory in Obbars, employing short ito man. Alongence, between 600 and 70 mm are kept hor, between 600 and 70 mm are kept hor, between 600 and 70 mm are kept hor, and the number is constantly in-ter the start of the start of the start hor the start of the start of the start hor the start of the start of the start is and the number is constantly in-ter the start of the start of the start is an experiment of the start of the start horizon.

creasing. In 1900, by purchasing the plant and business of the Couldbard Scott Co. Limited, Others, Couldward and seeding implements with an established reputation for gazellesse in con-struction and operation. The Coungang now seeding, haying and harvesting implements, all of which have searned will searched fame and high reputation bioregnoot the Dominion and in the forward side.

The domestic trade of the Company has in-creased by leaps and bounds. In the North-west, the new No. 8 Light Draft Steel Hinder has earned a good name for itself in felder of heavy and tangled grain, and sustained the high reputation of Frost & Wood implements.

Works. The building is beated by steam and lighted by 100 elevtrie lamps. It is a constortable buildess bonnes, an cranament to the town and a credit to the Company. For Eastern Canada the F. & W. Hoe Drill ad Champion Cultivator are unsurpassed.

In all sections of the country F. & W. imple-ments can be seen doing good work under widely varying conditions.

The F. & W. line has been developed to a all sections. A special line of plows is built Manitons and the Northwerst; an altoget different variety of plows is built for East Canada. This also applies to seeders, d harrows and cultivators.

harrows and cultivators. Although established more: than sixty pass, the Front & Wood Co, has now, until recent years, encaged actemized in thoring uncled. Howver, a constantly increasing demand for globs, and the Company has developed a large foreign uncle. There is a large and increasing trade in Grash Holan, the size and the size of the result in Grash Holan, the size and the foreign uncle. There is a large and increasing trade in Grash Holan, the size of the fore Kanad in too F. & Y. "mode in Canado: machines

The attainment of such stability of business and long continued confidence is the results of coardul study of the desails of the best mechan-ical devices and thorough testing in application as wells as a watchful aspervision of the quality of material used in construction.

A Company guarding their business so jealonsiy must perforce impire that confidence which smoothes the path to extensive trade in any land.



THE FARMING WORLD

September I, 1993

In order that the Farmers of Canada may have an opportunity of learning of some of the improvement; being made in Farm Machinery

THE FARMERS' CO-OPERATIVE HARVESTING MACHINE CO.

will exhibit their Clokey Binder at this year's Toronto Industrial Exhibition in the Implement Hall, thus, as far as in their power, making up to the farmers for their having been deprived by manufacturers from comparing exhibits of Farm Machinery during the past few years at the Industrial.

Every farmer is invited to inspect our machinery and learn the aims and objects of this great farmers' company.

Farmers' Co = operative Harvesting Machine Co. LIMITED HEAD OFFICE TEMPLE BUILDING

TORONTO

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The Farming World

And Canadian Farm and Home

VOL. XXII.

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Our Sixth Annual Exhibition Number

have pleasure with

this issue in presenting our sixth annual Exhi bition number. The Farming World was the first in the field with an Exhibition number in 1898. Each year since that date has seen this special issue growing in importance and interest. It is to day looked It is to day looked and interest. It is to day normal forward to with eagerness by farmers and stockmen. They expect something good and are never dis-appointed. This year's production This year's production is a worthy follower of what has gone before.

⁵ Speaking of special issues reminds us that The Farming World is particularly generous to its subactibers in this regard. During the year there are issued regularly several special issues, including a poultry number, a dairy number, a horae number, etc. These special numbers are, so to speak, text bodks, containing reliable information on special subjects, and have been found of great value for referense. Our friends should remember this when discussing the merits of The Farming World.

The present issue will be found of more than usual interest. The illustrations are new and pottray attractive subjects. The letter content makes most interesting reading. Every article has some spe-cial significance for Canadian farmers. Of special merit, perhaps, are those picturing some of the famous stock farms of the old land, while those upon ranching and the new lands of Western Canada are especially noteworthy. Nova Scotia fruit culture, the French-Canadian farmer, and our own important live stock industry are most pleasantly dealt with by well qualified contributors. The paper on Agricultural College Work in Canada, contains one or two suggestions that are well worth considering by everyone interested in agricultural And don't forget the education. home features. They will be found of interest and value to everyone living in a farm home.

What more need be said. The number speaks for itself. Tell your friends and neighbors about it. A large extra edition has been published from which we shall be glad to send copies, while they last, to names and addresses sent in.

* We Welcome You

The Farming World welcomes its many friends to the great Dominion Exhibition now in progress in this city. It can do this with very good grace, too. For several, years it has persistently and effecTORON TO, SEPTEMBER 1, 1903

tually advocated an all Canada exhibition, and has been no small factor in bringing it to pass. When on the grounds look up The Farming World stand in the new manulacturers' building, near the eastern entrance. There, some member of the staff will welcome you, and, if you desire information regarding subscriptions and advertising, he will gladly supply it.

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An Encouraging Outlook

Our British market correspondent's letter this issue is of more than ordinary interest. The fail ure of the English fruit crops will greatly enhance the value of Canadian apples this fall and winter. The Canadian crop is only a fair average, which will also make the output this year of still greater alue Farmers should, therefore, give every attention to saving the rop. Even if you have not got I quality they will be worth No. saving

Another encouraging feature of our correspondent's letter is his remarks on the meat situation. If his reasoning be correct there should be a good export demand for cattle the coming fall and winter. Good feeders and stockers are hard to get in Canada also, and firm prices may be looked for for well fitted cattle.

Shouid the Dominion Aid the Agricultural College?

Elsewhere in this issue is outlined a scheme by which the Government at Ottawa may, without in any way trespassing upon the sacred ground of provincial rights, make a substantial annual grant towards the maintenance fund of the Ontario Agricultural College. After many years of struggling After many years of strugging and varying successes, the college has now reached a place in the very front rank of the world's agricultural institutions. It is indeed an institution of which every Canadian may feel proud, and any scheme by which its advantages might be thrown open to farmers' sons and daughters in all parts of the Dominion should meet with the approval of everyone interested in the promotion of agricultural education in Canada. Of course, it may be said that

Of course, it may be said that many students outside of Ontario now attend the college every year. Quie true, but the tuition fee of \$ioo which they have to pay limits this attendance to the more well to do. Were the fee made uniform for students from any part of Canada, the rank and file of our farmers in the other provinces could and would send their sons.

A college of agriculture is in course of erection in Nova Scotia, and Manitoba has decided to erect one, though nothing definite has been done so far. These schools could not be equipped to do the advanced work now being done at Guelph except under greater expense, perhaps, than these provinwilling to undergo. es would be But they could be equipped at comparatively little cost, as Nova Sco. tia is now doing, to do effective and practical work by means of short courses. These short courses would reach the masses, while those who desired a wider and more advanced training could attend at Guelph. Should the school garden idea develop outside of Ontario as it likely will, and it became necessary to employ only graduates of the Guelph College to superintend these gardens, the other provinces should be given a chance to have their own students trained for the work.

Many other reasons might be advanced why the the Dominion Government should favorably consider this proposition in the interests of higher agriculture in Canada, but we have not space to deal with them now. We have a precedent for it, however : the Government at Washington makes an annual grant to each State of about \$15,000 towards the maintenance fund of the State agricultural college and experiment station. Sir Wm. C. Macdonald's gift to the Guelph College carries with it a proviso that students from all the provinces shall be admitted to the nature study and domestic science classes on the same footing. Why not extend this to all the other branches taught at Guelph. It would nationalize our agricultural educa-tional system, brigg the provinces into closer touch with each other, and create a distinctly forward movement that would aid very much in developing the agricultural resources of the country.

We shall be glad to have the views of all interested parties on this important matter.

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Rural School Libraries

The movement for rural school libraries in Ontario is growing very last. The total amount expended by the different rural school boards for libraries last year was \$6,447. Many schools contributed much more than what entitled them to the maximum grant of \$10.

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You may secure The Farming World from now till Jan. 1st, 1905 for \$1.00. Send in names early.

No. 15

The Farming World Weed Contest

The Successful Ones_Dr Fletcher's Comment on the Collection

We have pleasure in presenting herewith the result of The Farming World weed competition announced last spring. This competition creboys and girls and even among the older people on the farm. The response to our offer was much greater than we anticipated and showed that there is in this coun-try a desire among the boys and girls to do something for themselves On our part the competition was undertaken for two reasto create an interest on the OTE 1 part of the boys and girls of the farm in original research and find ing out things for themselves, and learn something of the kinds of injurious weeds to be found in the country, and what is being done to destroy them. From these two points of view the contest has been most successful. Collections were received from three provinces and essays accompanied each collection. As to the quality of the collections and essays we will leave that for Dr. Fletcher to say.

It is not necessary to give details as to the conditions under which the prizes were awarded. In making the awards a perfect essay was awarded 25 points. The com-petitions closed on August 1st. on August 1st. 1903, and the collections were examined and the prizes awarded by Dr. James Fletcher, Dominion En tomologist and Botanist, Central Experimental Farm, Ottawa, who made a special trip to Toronto to do the work. Below is given his report which will be found of interest and value to all concerned:

I beg to report that I have ex-ined very carefully the collections amined amined very carefully the collections of plants and essays sent, in to com-pete for the prizes offered in The Farming World for April 15, May 1 and May 15, 1903, for the best collec tion of weeds, and essays on how to destroy them.' I have examined every destroy them. specimen in each collection, and where spectmen in each collection, and where the collections were of almost equal merit I have re-examined and com-pared them together. I believe that the arrangement below of the competitors is fair and just. With regard to awarding the first three prizes lators is fair and just. with region awarding the first three prizes ere was little trouble, but the arth was keenly competed for by a Wm Brittain, Miss Ionson, Mr. ardii nere was ourth Mr

J. Steckle and Mr. H. B. Fraser. In inally awarding the prize, the man-ner in which the requirements of the connectition had been met the excel lence of the essays, the nature, condition of preservation, accuracy of nam-ing, neatness of labelling and mount-ing of the specimens, and the general the collections, were uniformity of considered N Miss Ionson's specimens are very fine, but she had not quite not qu. named to Mr are very line, but she had not quite enough of them correctly named to place her before Mr. Brittain. Mr. Steckle and Mr. Fraser followed Miss place lonson in the order mentioned

"These collections are, for the most part, extremely creditable, and show evidence of much trouble and care in their preparation. Some of the small-er collections would have taken prizes had they contained a few more speci-Particularly commendabl for the skill shown in preserving and for the skill shown in preserving and mounting were the collections of Miss Jeanie W. Watson and Messrs A. P. MacVannell and T. B. Hart B. Hart each of which contained only about three dozen specimens, but was acby a valuable essay. In he collections there was companied the some of evidence that the plants had been col-lected so lately before the competition closed that there had not been for them to dry thoroughly before mounting, and as a consequence they had become mouldy and unsightly. Some of the competitors had not fol Some of the competitors had not fol-lowed the instructions as to mounting each specimen singly. The essays, as a rule, were not of equal excellence a rule, were not o with the collections.

"In conclusion allow me to con-gratulate The Farming World on their enterprise in starting this most useful competition and the success which has attended it as shown by the number of good collections sent in and the appreciative letters of the competi-"James Fletcher

THE WINNERS

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NAME	Number of Plan correctly named.	Points allowed for Essay.	Amount of Prize Money.
1st Ada Gardhouse,	119	20	\$20
Highfield, Ont. 2nd, Lizzie Taylor Kemptville, Ont.	66	20	15
3rd, Ernest Gordon	. 56	20	10
Stapledon, Ont. 4th, Wm. Brittain Woodstock, N.B.	64	12	5

The Dominion Exhibition Opened

building, the woman's building, and On Saturday, August 29th was the addition to the dairy building formally opened the twenty-fifth add greatly to the comfort and consecutive Exposition held under pleasure of both exhibitors and visthe auspices of the Toronto Indusitors. The attraction of the grounds trial Fair Association. This year's this year is without doubt our late Exhibition is a Dominion affair, Queen Victoria's Jubilee presents, and there are gathered mogether exhibits from all parts of Canada. which His Majesty King Edward has graciously loaned for the Dom-The new buildings and rearrangement of the grounds contribute inion Exhibition in From present indications the ag-ricultural and live stock sections, no small degree to this year's fair. The new manufacturers' building is in which our readers are more magnificent structure and is filldirectly interested, will excel all previous years. There are over ed with valuable and tastily ar-ranged exhibits. The new stone ranged exhibits. previous years.

1 too entries in the horse section alone, which is a record one. So great is the number that one of the cattle sheds has been appropriated to accommodate the large number of extra horses. Altogether the cattle exhibit is a large one. The entries are divided as follows: The entries are divided as follows: Shorthorns, 250; Herefords, 26; Polled Angus, 36; Galloways, 23; Ayrshires, 108; Jerseys, 72; Guern-seys, 17; Holsteins, 86; and fats and grades, 145. Of these the Here-fords are lower than formerly, owing largely to the decision of H. D. Smith, of Compton, Que., not to smith, of compton, gue, not to exhibit this year. There is a big entry of sheep, the number being upwards of 500, while the swine entry runs up to the 300 point The live stock exhibit throughout will therefore be one of special interest. At the time of writing the exhibits were coming in well and it looked as if every entry would be

there. The dairy building is a most interesting one this year. There are upward of 600 entries in cheese alone and considerably over 100 in butter. There is cheese shown from Prince Edward Island. New hutter Brunswick, and Quebec. There are several entries of butter from out-The dairy building side Ontario. this year is in charge of Mr. T. J Dillon, well and favorably known to many Ontario dairymen. Mr. Dillon has been in the east for philon has been in the east for several years. In this building is a great array of cream separators, all the leading makes in Canada and the United States being represented

special exhibits worth Some looking at are those made by the Natural History Department, Ot tawa, under the grand stand, and the New Ontario exhibit, near the main entrance. Full reports of the Exhibition will appear in next is-sue, special attention being given to the live stock and agricultural departments.

THE OPENING CEREMONIES

The opening ceremonies on Saturday afternoon, because of a drizzling rain, were conducted in the theatre of the dairy building. Here assembled a number of invited guests to witness Canada's "Grand Old Man," Lord Strathona, open Old Man," Lord Strathona, open the Dominion Exhibition. The ad-dress read to his Lordship by President McNaught, referred to the national character of this year's Exposition, the growing prosper-ity of the country, the King's gracious act in loaning her late Majesty's Jubilee presents, and the new and better equipment for exhibition purposes, which have been provided

Lord Strathcona in his reply spoke of the progress of Canada in recent years, a country in which he was proud to claim citizenship Referring to the gracious act of His Majesty, he said :--

His Majesty, he said — "It will be my privilege, I trust, and my pleasure to convey to His Majesty the high appreciation you have expressed of this gracious act. (Continued on page 556)

September 1, 1903.

New Ontario Prosperous

Settlers Flocking in-Towns Flourishing-Prices for Farm Products

Mr. Thos. Southworth, Director of Colonization for Ontario, returned last week from a trip to the Temiskaming country. To a Farming World representative Mr. Southworth said. "I found things in the Temiskaming country in good shape. The towns of New Liskeard and Haileybury are growning very fast. The latter was at a standstill for several years, but owing to the building of the Government railway through that point, business is brisk. I counted from 30 to 40 new frame buildings in course of erection when I was there."

"How about the land. Is it being cleared up quickly," Mr. Southworth was asked?

"Though there is a lot of clearing done, the land is not being improved as quickly as one would expect from the large number of settlers going in. Settlers make too much money out of cutting and selling the timber off their lands to be hurried in improving the land. After a settler has cleared two acres, and has it under crop, built a house 16 x 20 feet, and lived six months on the land, the Government gives him the right to cut timber on any part of his land, and he uses this privilege pretty freely to help out his bank account."

Will it not pay to improve the land for crops? To this Mr. Southworth replied:

"Most certainly it will. Potatoes never sell at less than 75c. per bushel, oats at from 60 to 75c., hay at from \$18 to \$20 a ton, and all other coarse grains in proportion. The big lumber companies operating in the district willingly pay the settlers what it costs to buy these products elsewhere, plus the freight charges, which is no small item. Crops are not generally as good as they were last year, though I saw some good fields. I saw a field of y five feet high. Oats were timoth affected by the spring drought, and though rains came later they did not fully recover in many cases. I saw some good apples of the Duchess and King varieties. Mr. Tucker, of Sutton Bay, is growing both ap-ples and grapes with success. I saw tomatoes ripe on August 1st."

How about the timber, Mr. Southworth. Is, it all of the pulpwood size?

"By no means. There is a good proportion of large timber, including spruce, pine, tamarac, etc. A Government employe who pushed through beyond the height of land this season found spruce over 30 inches in diameter. The demand for pulpwood affords a good market for the smaller stuff, which would be of little value for lumber and timber purposes. In the Temiskaming section alone the lumber companies paid out over \$175,000 for timber last year. These companies will advance up to 50 per cent. of the value of the timber to the larmer. This enables the poor man to realize on his timber as soon as he has secured the right to cut it, which is a great help." It is reported that speculators

It is reported that speculators have secured control of much of the land and are holding it at high values. Did you find any evidences of this?

"No," said Mr. Southworth. "Of course, the Government cannot hold themselves responsible for the actions of settlers, many of whom, after taking up land, and subscribing to the required regulations, for one reason or another, change their plans and turn their claims over to some real estate agent to sell for them. The Government has no control over these, and until the six months elapse cannot do anything to prevent settlers offering their claims for sale."

How are the other sections filling up, Mr. Southworth?

"In the Rainy River district every lot surveyed has been taken up. We hear more about Temiskaming, as that section is being settled mostly by Ontario people. There is a prosperous settlement at French River, also. I think the population of the Temiskaming section is from 10,000 to 12,000 people. 13,00 homesteads were taken out in 1901, 1,500 in 1902, and there would have been more this year had more land been surveyed."

An Appeal for the Ontario Farmer

At a meeting of the Galt Board At a meeting of the Gait Board of Trade held on August 17th, Mr. Andrew Elliott brought up the question of the scarcity of farm labor in Ontario. Mr. Elliott held that the subject was one not only of provincial but national importance, affecting chiefly and primar ily the farming community, but ultimately injuring all classes of trade. It had come to this, that the farmers were now beginning to reduce their cropped area as creatures of the necessities of the times. The agricultural output would be reduced. The income from agriculture would be lessened, and it was evident that manufacturers also would be forced to retract and the general business of the country would be lessened. It was plain would be lessened. It was plain that such a condition of things would right itself, but not untilafter the injury had been done. The factories would close or reduce the number of operatives, and labor would thus be turned from urban to rural channels and thus would be begun anew the building of But great efforts should be trade. used to avoid this course. He advocated a change in the methods now in vogue in the Immigration Department. It was the man from who was wanted not for the West and for New Ontario, but for Old Ontario, where the farms were starving for laborers. Within five miles of Galt he knew of farmers paying \$45 a month. There was not a farm in Ontario that could afford this wage. A resolution was adopted embodying Mr. Elhott's views son immigration.

Mr. Ellioit's views bear out what has been said in these columns for several months back in regard to the scarcity of farm labor. The situation has reached the acute stage and a remedy must be forthcoming shortly or, as Mr. Ellioit says, Ontario farmers will have to change their methods to those that may be less productive. Such a change would be a calamity not only to the country but to the city and town. The fatter depend upon the country for their prosperity, and boards of trade are only looking to their own interests by helping to solve the farm help problem.

The Immigration Department should certainly endeavor to secure more of the farm laborers of Great Britain as colonists. They could be utilized on Ontario farms and we believe would be better off than they are at home. In the development of this great country the farmer of the older portions who for years has been the backbone of the Dominion should not be negleted.

Canada in the Orient

The attention of our readers is directed to the article on "Canada at Japan" in this issue. Canada's display at the Osaka Exhibition made a favorable impression on the Japanese and will, no doubt, result in a largely increased demand for Canadian products in the Orient The demonstrations in breadmaking proved the superior-ity of our hard wheat flour over all others. It should be remembered, however, that only high grade flour was used in these demonstrations and exporters of flour to the Far East should send nothing but the best. This rule would apply to products of all kinds. Canada has established a reputation for the high quality of her products in the markets of the world and it is only by maintaining the standard of perfection that we can hope to inrease our foreign trade in this age of keen competition.

or keen competition. Mr. Fisher is to "be congratulated upon the establishing of a permanent exhibition branch in connection with the Department of Agriculture. The Farming World had for several years advocated the establishment of such a branch and we are very pleased to note that its work has proven so effective in developing trade in the East. It should prove to be one of the most useful branches of the service, as it has been felt for some time that such a department was necessary for the proper exploiting of our products at the large industrial exhibitions which are now of annual occurrence in different parts of the world.

Winter Crop Experiments.

VARIETIES OF WINTER WHEAT.

Three varieties of winter wheat were distributed throughout Ontario by the Experimental Union . in the autumn of 1902 for co-operative experiments. Good reports of successfully conducted experiments have been received this year from eighteen counties, extending from Essex, in the south, to Haliburton in the north. The following is the average vield in weighed bushels of grain per acre for each variety for five years at the college, and for 1903 throughout Ontario

Imperial Amber, 61.0 bus, (College) 24.9 bus. (Ontario).

Buda Pesth, 57.2 bus. (College) 21.4 bus. (Ontario).

Turkey Red. 53.4 bus (College) 20 - hus (Ontario)

All three varieties are bearded. The chaff of the Imperial Amber is red and that of the others The grain of each variety white is red, hard, and of good quality All three varieties are rather weak in the straw. The Imperial Amber is a close rival to the Dawson's Golden Chaff in vield of grain per ACTE

FERTILIZERS WITH WINTER WHEAT.

In the co-operative experiments with different manures applied in the spring of the year, the average results show a vield of 29.7 bushels of winter wheat from an application of one hundred and sixty pounds of nitrate of soda per acre, and 35.7 bushels from a top dress ing of twenty tons of well rotted cow manure per acre. The unfertilized land gave an average vield of wheat per acre of 22.7 bushels. The yield of wheat from one hundred and sixty pounds of nitrate of soda surpassed the vield from four hundred pounds of common salt by 3.5 bushels per acre. Nitrate of soda, when applied in the spring gave better results than when ap plied in the autumn. The usual cost of nitrate of soda is about three and one half-cents per pound, in small quantities, and three cents per pound in ton lots.

WINTER RYE, HAIRY VETCHES AND CRIMSON CLOVER AS FODDER CROPS

An interesting co-operative ex-periment was made for the first time by sowing winter rye, hairy vetches, and crimson clover, in the autumn for the purpose of producing green fodder in the following The reports show that summer. the crimson clover received the greatest injury from the early spring frosts. The highest indivispring frosts. dual yields were produced by the hairy vetches. In the average re-sults, however, the winter rve surpassed the hairy vetches by 420 pounds of green fodder per acre, but the quality of the feed of the latter was superior to that of the former. In ten out of a flozen tests, the hairy vetches were eaten

readily by farm animals, and seem-ed particularly suitable as a feed for hogs. A Bruce farmer reported that "the hairy vetches gave a large yield, and were relished by all classes of animals."

DISTRIBUTION OF SEED FOR EXPERI MENTAL PURPOSES.

Material for any one of the five experiments here mentioned will be sent free to any Ontario farmer applying for it, if he will conduct an experiment with great care and report the results after harvest next year. This seed will be sent after harvest out in the order in which the applications are received as long as the supply lasts.

1. Testing hairy vetches, crimson clover, and winter rye as fodder

crops

. 3 plots. 2. Testing three varieties of winter wheat ...

Testing five fertilizers

- with winter wheat ... 6 " 4. Testing autumn and spring applications of nitrate of soda and salt with common
- winter rye for and grain production ...

2 " The proper size of each plot is one rod wide by two rods long. The material for either of the first two experiments, or for No. 5 ex-periment, will be forwarded by mail, and for each of the other two by express. Each person wishing one of to conduct these experiments should apply as soon as possible, mentioning which test he desires; and the material, with instructions for testing and the blank form on which to report, will be furnished free of cost until the supply of experimental material is exhausted. It might be well for each applicant to make a second choice for fear the first could not be granted.

C. A. Zavitz, Guelph, Ontario. Agricultural College, August,

21st, 1903.

How Seeds are Sold in England.

The seed trade in Great Britain has made great progress during the past few years due largely to the introduction and adoption of the system of guaranteeing the purity and germination of seeds. Mr Arthur G. Leighton, a prominent seedsman of Newcastle, who has been on a visit to Canada recently referring to this trade stated that Canada is very much behind England in seed trade methods : " sell," said Mr. Leighton, "all my seeds of farm crops under a guarantee of purity and germination, subject to the tests of the botanists of the Royal and Highland Societies, and Dr. Stebler, of Zurich. For example, I guarantee timothy, red clover, alsike and lucerne, to

show 99 per rent. in a purity test; In germination I guarantee timo to show 99 per cent, alsike thy and lucerne, 98 per cent., and red clover, 97 per cent. I began that system eight years ago and am becoming convinced more and more each year that it is the correct one, as my business has in that time increased nearly thirty fold.

I sell only one quality, the best, and guarantee everything I sell." Next year a further advance will be made and Mr. Leighton intends to state definitely the kind and number of weed and foreign seeds that are contained in each sample he sells. He will be the first to adopt this system, but is confident that it will be appreciated by his

Canadian red clover and alsike, Mr. Leighton says, compare favor-ably in purity and vitality with with seed from other countries and usually give better results than seeds from more southerly climates.

customers

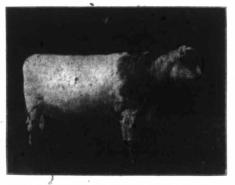
British Columbia Fruit Growers

The fruit growers of British Columbia are making strenuous efforts to capture the fruit markets of the Territories and Manitoba for themselves. They are employing only up-do-date methods and send their fruit forward to the consumer in good condition. In this way their product excels that of the eastern grower, who has been too much given in the past to sending inferfor and second rate goods to the West. The Western consumer wants good, wholesome honest fruit or none at all.

A series of meetings were held during July in the Okanagan county, which was fully for the security of the security of the security committee of the B. C. Fruit Growers' Association. Information was conting and cultry, which were attended by Mr. Maxwell Smith. Dominion Fruit given as to the planting and cultivation of fruit trees, and the grading, packing and marketing of fruit. The president, Mr. J. C. Metcalfe, of Hammond, B.C., in outlining the work of the association, stated that British Columbia was supplying only about 20 per cent. of the fruit shipped into the Northwest. Mr. R. M. Palmer, B. Fruit Inspector, who attended the Ontario Fruit Growers' meeting at Walkerton last December impressed upon growers and shippers the necessity of sending only first-class fruit to Manitoba and the Territories. The B. C. fruit trade had suffered much from inferior nursery stock and strongly recommended the growing of their own trees, which could be done at one-third the present cost of im-He advised plantporting trees. Ing varieties of repute that were best suited to local conditions. Inspector Smith explained the provisions of the Fruit Marks Act. He urged co-operation in order to ob tain the best results and pointed out the possibilities of a large trade being established in Japan in canned fruit and pure fruit jam.

September 1, 1903

AND CANADIAN FARM AND HOME



The Shorthorn Cow, Havillia, to be sold at John Bright's sale on Oct. 14th next.

Live Stock Conditions in the West

Mr. Duncan Anderson, of Rugby, Ont., has just returned from a two months' trip on Institute and Fair work in Manitoba and the Terri tories. He addressed meetings and judged stock at a number of important centres, including Brandon, Portage la Prairie. Calgary Edmonton and Medicine Hat Speaking of the live stock condi tions of the West, Mr. Anderson mays: "The possibilities and pro spects for a good class of live stock out in the north country are good. Lacombe seems to be the centre around which the best cattle stock of the Territories is to be found There is already a knot of skilled and ambitious cattlemen there. My meeting at this centre was attend ed by over a hundred, and the dis trict is full of first-class animals, principally Shorthorns.

"At Calgary and Edmonton horses seen to be in the ascendant. At the former place the agricultural classes are well represented, but at Calgary the Clydes and Hackneys. I visited the Hackney ranch of the Rawlinsons, near Calgary, and it was a revelation. The bachelor brothers have been importers and breeders of this class of horses for eighteen years and now are sending their stuff to the east instead of bringing it from there, Beith, of Bowmanville, Ont., being a-good customer.

"These men conceived an ideal and bred to it. The first sight I saw was sixty-five of the finest and evenest Hackney marcs with young colts I ever saw in my life. Their character and style shows that the Hackney is a well-fixed type of horse of the highest merit.

"There is, however, lots of poor stock every place. I saw a lot of Mexican cattle at Medicine Hat which are being brought in in considerable numbers. All head and haorns, long, scrawny brutes. Their narrow frames can never be covered to make them good beef cattle. The best of them will be a poor grade of butchers' cattle and most of them are canners. I am surprised that there should be any laith in the business of bringing them in. Even though they should be found good rustlers, and so desirable as lemale stuff on that account, life is too short to grade them up to anything like a decent beel standard. There may be good ones among them, but I didn't run across them.

"The stock interests of Manitoba are assured. The men who are enare assured. The human the con-fidence and foresight to get the best going. The business is away past the initial and experimental stage. Manitoba stockmen are among the most progressive in the Dominion. They get the best and give it the best of care. They excel in heavy horses and Shorthorns. They are past the pioneer grain-growing stage. Some of them have stayed with wheat growing too long, perhaps. There are some fair-sized patches of mustard that have come from cultivat ing too much land and tilling it too little. A few sheep would help them out, but then they would have to fence, and besides the wolves and covotes have a relish for lamb, so the sheep business is at low ebb.

"The rancher is all right. Three million dollars worth of cattle left the West last year and it might just as well have been ten millions. There is no over-stocking of the ranges. The ranching is a good business and there is money in it for the syndicate—not much for the little fellow. If good cattle were selected in the east and not brought out until about June and carefully wintered there should be large profit to the investor. There's another thing, the rancher must change his ways, and he is slow to learn. This country is undergoing an evolution that he cannot appreciate or understand.. First, it was the buffalo, then the rancher, then

the grain grower, and now it is the mixed farmer and the arable land is steadily encroaching on the grazing land. Things are being reserved for the rancher. Instead of buying young stock to finish as he now is the rancher will be growing the stock and it will be thushed by the larimer.

The larmer is getting behind, too. He will have to concentrate his produce and turn his grain into more valuable commodities, such as porte and butter. This will conserve the fertility of his land and will save him freight. Three hundred and ninety pounds of grain and a few roots will make a hundred pounds of pork. The pork is worth twice as much and weighs less than half as much.

"Then, another thing about feeding enterprises. They will prevent the glut and low price of stuff in September and October. If beef can be held and sold any time of year instead of all at once, the price will be better. At present the buyer gets the good at the value of the poor stuff."

Outlook for Beef Cattle

There is not much that can be said of a deinte character at this time in regard to the outlook for beel cattle this fall and winfer. And yet there are conditions governing this trade that may have an important bearing upon future buging and selling. These conditions have to do with the position of things in the United States, which, as our readers know, has more influence upon the cattle trade than upon any other Canadian industry.

Conditions to the south of the line are different from what they were last year. In the spring of 1902 cattle prices were abnormally high. Those who had fed cattle made good money. The farmers of the Middle West believing that these good prices would continue, and having a large supply of un-saleable corn on hand went into cattle feeding on a large scale. Those who usually bought one load bought two or three carloads of grain. Large prices were paid for lecders and an enormous number of cattle were fed. Reports from all quarters of the large number feeding created a panicky feeling, and there was a general rush of halffinished cattle on the market about the beginning of the year. The market broke and there was a great slump in prices which has continued ever since. Many last spring sold their finished cattle at prices no higher than what was paid for feeders last fall.

Conditions this year are different. Cattle prices are low and leeders and stockers at Chicago are the lowest they have been for some time. Some see in these low prices a good reason why the farmer should feed beel cattle. One authority reasons thus: "Then cattle prices were high. This, in itself, wan the best evidence that they would fall. Prices are now low.

THE FARMING WORLD

This is the best evidence that they will rise." While this kind of reasoning may not always hold good, these low prices will deter a number from going into the cattle feeding business. This will lessen the supply of inished cattle later on, "causing a corresponding advance in values. Of course a great deal will depend upon the outcome of the American corn crop, which, according to the United States crop report for August was several points below the average of the past ten vears in condition on August rus last.

Such are some of the main features of the American cattle trade and Canadian feeders may draw their own conclusions as to what effect they will have on future prices for the finished animal. One thing is certain the outlook is more assuring for better profits for the cattle feeder than it was a year ago. The cost of feeders is not so high and there will be plenty of rough feed to feed them.

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The Breeder's Opportunity

One or two points in Mr. Mathews' atticle on "Cattle Ranching in the Canadian West," on page 567 of this issue are deserving of special notice. He refers to the change in the methods of the ramcher by which he is giving more attention to raising his ranch cattle than to buying them in the east, as has been largely practiced in former vears. The effect of this will be less buying of eastern stockers idogies) and more buying of eastern bulls for breeding purposes.

Eastern breeders should make a note of this. A general change on the ranches from buying to breed-ing ranch cattle means that there will be a greatly increased demand for bulls at reasonable prices. This demand means a greatly increased market for good, blocky, serviceable Shorthorn bulls at reasonable values. The Dominion Live Stock Associations have done good work in developing this trade. Their efforts should be backed by the breeders, who, by helping to develop this market for the average pure bred bull, are increasing the de-mand for the higher priced animal, which the eastern farmer will have to buy in order to raise bulls suitable for ranching purposes. The hope of the live stock trade is in the West. While the very highpriced bull may not be in large demand, there is a growing demand for the good serviceable bull at reasonable values.

Honest Maple Sugar Wanted

A petition, largely signed by farmers and maple sugar makers in Ontario and Quebec, is being prepared for submission to the Government at Ottawa asking for proper protection for the maple sugar industry of this country. The peti-

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We fill all orders by Mall promptly. We cheerfully refund your money when the goods are not to your satisfaction.

We are Canada's leading clothing makers, and in a better position than any other house to cater to your needs for clothing.

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OAK HALL CANADA'S BEST CLOTHIERS Neck and Shoulders above all competitors

J. COOMBS, MANAGER

KING ST. EAST Right Opposite St. James' Cathedral September 1, 1903.

tioners ask that legislation be pass ed to prevent the adulteration of maple products, or at least to have adulterated articles stamped as such. If the present legislation in regard to adulterated food products be considered sufficient for the purpose then inspectors should be appointed to insure a strict enforcement of the law and the pro-secution of all offenders, both in the country and town. The petitioners further recommend that competent instructors be appointed demonstrate throughout the country the correct method of production.

In the preamble to the petition it is stated: that the adulterated article bears no label or other distinguishable mark to enable it to be detected from the genuine arti-cle, which is greatly injuring the sale of the genuine article; that the practice of adulteration has grown ans alarming extent in recent years; that the industry, if properly protected, would be a source of great revenue to the country ; that the industry at present is only in its infancy, since a large pro-portion of the maple trees cannot be worked to advantage, owing to the low prices at which the adult-erated article can be sold; that there is a continually growing demand for genuine maple sugar, that the industry is one that can be followed by nearly every farmer in the maple districts with profit ; and that the industry is one deserving of encouragement and protection by the Government of the Dominion

We quite sympathize with the petitioners in their efforts to stamp out the maple sugar fraud, which has been a glaring one for years, and we trust their efforts will meet with the success they deserve. In no other Canadian industry is fraud and adulteration so openly practiced as in connection with maple sugar. In many sections it has reached such a pass with maple sugar makers that as soon as the season approaches it is the usual thing to get in a stock of common sugar to help out the product of the maple. We question if even the maple. We question if even one-tenth of the so-called maple sugar offered of r sale is genuine and people have become so suspicious that they don't buy any, or in only very limited quantities. It is time something were done to stop this fraud and we would advise every farmer interested in honest maple products to make sure that his name is attached to this petition. There is no room in this country for adulterated food products of any kind.

Our Western Letter

Owing to some unaccountable delay our Western letter from our regular Winnipeg correspondent had not come to hand up to the time of going to press. We are sorry this delay should occur in connection with our Exhibition number,

September 1, 1903.

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Yellow and White-Legged Fowls

AN ENGLISH OPINION

By our British Market Correspondent.

I read with more than passing interest the remarks of Mr. F. C. Hare on the yellow leg question and also The Farming World's opinion upon the matter, both of which appeared in the issue of July 15.

There can be no doubt that the question is absolutely at a deadlock, and that from two such contradictory statements it would appear difficult to come to any satisfactory conclusion.

The Farming World's statement that there is a special price for white legged and white Hisshed Towls in England is perfectly true and what is more, 1 personally, if 1 were given the choice, would prefer a white skinned bird, lor they do undoubtedly look more dainty and appetting.

'It may be said that there is no difference in the flavor of the meat. True, but the pleasures of the palate do not entirely depend upon the sense of taste, and appearance has a great deal to do with the matter.

If this were not so, why do all shopkepers take such great pairs to make their goods look attractive and are so particular that what they sell is put up in a damty manner. Supposing two apples were placed before the average man and one had a clear, bright skin, while the other was duil and coloriess, they might be of equal flavor, but he would select the one which placed his cyce, and in the opinion of the writer, he would be correct.

Of course, it is altogether beside the question as to whether it would pay Canadians to re-organize their #ousness to go in for white legged and fleshed fowls, that is a matter upon which they can best decide for themselves. Incre can be no doubt, however, that white skinned fowls are preferred in England to their yellow brothers.

WHAT A WESTERNER THINKS

I note that in your issue of July 15th you say you would be glad to hear irom correspondents on this subject.

For some years I went in for rearing and fattening chickens for the London markets, and no doubt should be doing so now but for the South African war. There is a great and real objection to yellow legged birds, the principal reason being that yellow legs, as a rule, mean yellow flesh, and in my opinion there is no comparison between a white fleshed bird and a yellow Up to a short time ago one. there was also an objection black legs, the reason being that the Surrey and Sussex birds, which have always been at the top of the market had white legs: this objection was a sentimental one and is fast dving out, although I see Mr. Hare thinks differently.

I remember sending some large

Black Orpington cockerels, aix months old and weighing 8% b, each. They were lattened and pressed in the Surrey-Susses styling and their black legs were not objected to, for they took the eve of Mr. Brooke, late master of the London Poultry Co., who wrote me to know what kind they were, how reared, etc., and, by the way, sent me a copy of Mr. E. Brown's book on "Fattering Fowls," the best brook and explored and they were ever read.

What have Canadians got to object to in this little preference of the London consumer, who is willing to pay well for his preference? If is as easy to rear one as the other, even although you want to use a bgred with yellow legs. No bird has more yellow legs and flesh than the Indian game, yet crossed with the Dorking they nearly all come white if Dorking thens and I.G. cocks are used. We can rear and fatten here as good as in Surrey, Eng, and press and shape in their style, and mind, a bird may be classed as Surrey or Sussex in the London markets and make top prices, and yet come from Ireland or elsewhere.

class of birds, not some good and some bad in a crate, and always keep them up to the mark. London dealers get to know a man's crates who always sends good birds, and will buy them up at once on the market at a little higher price and will often write the producer to send all he can to them direct, and so save going through the markets. But once send a few inferior birds in your lots and your name is gone and it will be vears before you can get it back

I am sorry to say I found that there were a good many dishonest salesmen in the markets, but experience taught me the names of the few honest ones who always did by far the largest business.

I shall be very glad to give a few of the ins and outs of a Surrey fatter's business, also the best

breeds and crosses should any of your readers care for same. P. S., Miniota, Man.

s., miniota,

Poultry Ailments and their Remedy

Judging from the numerous inquiries recently received for remedies for poultry ailments, there has been much sickness among young stock throughout the country and it is to be leared in many cases, nuch loss. In one case a correspondent writes -- "'My chickens have something the matter with them. They have a slight swelling at side of the head. Their wings droop and in a few days they die." Another writes ''I had 59 fine young turkeys a short time ago-mow I have 17. They are well led, but get sick, droop, and die. On opening one which had just died, the liver was much swollen and spotted all over.'' And still

auother: "My yong turkeys seem to have cold. They appear to have like also. A number have died and several ate sick" And so on. And this sort of thing is repeated every 'eason with almost unvarying monotony. It shows either utter ignorance of sanitary conditions or a total indiference to effects.

No sanitary law can be violated with impunity either in horse or cow stable, or poultry house. When will men and women, who are careful and painstaking in many de-partments of farm work, realize that prevention of disease among their live stock is far easier than ure! Particularly does this apply to poultry. A farmer may be scrupulously clean in his dairy department and yet his poultry be neglected and their premises seldom cleaned. While almost cranky on keeping up a good strain of milch cows, no attempt is made to keep up a prolific egg-laying strain of Rocks, or Wyandottes, or correct market type of either. His turkeys and lowls may be inbred from year to year, or they may be kept in an unclean, ill-ventilated or delapidated and draughty poultry house. As for his chickens, they ome and they receive scanty care. If they get any food, in many cases great quantity and not cleanly ied. The most elementary hygienic laws are violated and the result is roup. lice and liver disease of the most acute type

The remedy for disease is ously to prevent it. It is difficult, almost impossible to cure sick tur keys or other chickens, but it is easy by cleanliness and care to prevent disease. Cleanliness in poultry house and surroundings, and method of feeding. Care in selecin construction of robust parent stock. Care in housing and feeding of the young chicks. This has been stated by Mr. Warrington, an eminent Eng-lish chemist, that for her weight there is more profit in a hen than any other animal on the farm. And yet she is frequently the most neglected ! A visitor to a farmer, who kept poultry at a profit, noticed that the farm hands cleaned out the poultry house with as great care as they did the dairy. Why do you do so ? " asked the friend of the farmer. The reply came quickly, "Because," said the farmer, "I ake 200 per cent. profit from my fowls as against 10 per cent. from the other." It is safe to say that It is safe to say that the farmer had no sick hens or turkeys .- A. G. Gilbert, Manager Poultry Department, Central Experimental Farm, Ottawa.

Macdonald Institute Announcement

The Macdonald Institute of Guelph will open on September 14th next. The outline of study provides for two general courses, one for teachers and the other for young women who do not intend to teach. The trachers course is divided into two sections, nature study and home economics, with a two year, a three months' and asix 556

September 1, 1903.

What Richard Gibson, Belvoir Stock Says About Zenoleum Dip: "Being conversant with the merits of Zenoleum, I have no hesitation in recommending it. As an exhibitor at the International, I observed that as a disinfectant and deodorizer, it worked perfectly satisfactory and I did not hear a complaint." RICHARD GIBSON, Delaware, Ont. satisfactory and I did not hear a complaint." Sam

ZENNER DISINFECTANT CO., 112 BATES STREET, DETROIT, MIGH.

weeks' summer course in each. The non-teachers course includes three courses, of two years, three months and six months or longer, according to the subjects taken each in home economics. These are ar-ranged to suit the needs and requirements of the students. It is the intention at an early date to offer also a four years' course leading to a degree in the University of Toronto. All the courses will be arranged to suit the needs of the work and with a view to creating a new interest in and fitting students for a successful career as teachers of nature study and home economics.

An efficient staff of instructors has been secured, including a dean, lady principal and a number of The two year courses teachers. will begin on September 14th and close on June 21st, the three months from January 4th to months from January 4th to March 30th and April 8th to June 30th, and the summer course from July 2nd to August 16th. The women students will board at Macdonald Hall, which will not be ready till January 1st, and the men students outside. Full parti-culars as to the courses, tuition. board, etc., may be obtained on application to Dr. Mills, President of the Ontario Agricultural College, Guelph

The Dominion Exhibition Opened (Continued from page 150)

and to assure him that the attach Canada, ment of the people of Canada, so often manifested to the throne and person of the late Queen who wrought her people lasting good, is not less deeply rooted towards himself

The development of Canada is well illustrated in the exhibits which adorn this ground. No words of mine which can convey as true a conception of the Dominion's progress as is afforded by a survey of them. In arts and agri culture, in mechanics and manufac-tures, in all the varied pursuits of industry, you are able to exhibit here an excellence attained by few coun To me the most striking feature of it all, and perhaps the most promising of future achievements, is that you of future achievements, is have been able to reach this extraor-dinary degree of commercial industry dinary degree of commercial and artistic development within so and artistic development Little more short a space of time. Little more than a century ago Bouchette saw the spot which is now the site of is inc. city, covered with cless forests, on the done solitary the our beautiful dense and trackless border of which stood one solitary wigwam. Seventy years ago the population of the little town of York population of the fittle town of Forday did not exceed 4,000 souls. To-day Toronto has a population of a quarter of a million, rapidly increasing in number, who, I am glad to know, have shared to the full extent the have shared to the full extent the prosperity and progress of Canada in recent years. It is not less my con-viction viction than my fervent hope that this prosperity will be continued to you. The few 'acres of snow,' as you. The lew 'acres of snow,' as our country was once sneeringly de-scribed, have blossomed like the rose and become a land of hope not likely to be disappointed. To quote the to the Paris to be disappointed. To quote the language of a visitor to the Paris Exposition of half a century ago: 'Active, intelligent, enterprising, be-yond all other distinct nations, which equally abound in the elements of in-dustrial production. Canada claims and demands attention

Owing to the bad weather the performance before the grand stand was called off. To-day (31st) is children's day and the grounds are swarming with happy voungsters The downpour in the afternoon rather spoiled matters in the ring

Ontario Fruit Growers

The executive of the Fruit Grow ers' Association met last week at the Parliament Buildings. There were present W. H. Bunting, President; A. McNeil, Vice-President; G. C. Creelman, Secretary; T. H. Race and L. Woolverton. Considerable time was spent in arranging the programme for the annual convention, which will be held at Leamington early in December. Excessive freight rates and the substitution of boxes for harrels were con- b sidered

٠ **Brief Mention**

Mr. Henry Wade, Registrar of Live Stock, Toronto, a week ago attended the annual meeting of registrars of live stock for America held at St. Louis. Mr. Wade read a paper upon the keeping of records, which was well received by those present. He speaks in glowing terms of the outlook for the St. Louis Fair in 1904. big

Mr. G. C. Creelman, Superintendent of Farmers' Institutes for On-tario, attended the annual roundup of the Mississippi institutes, where he delivered an address. The round-up was held at the State Agricultural College, where Mr. Creelman was formerly a professor.

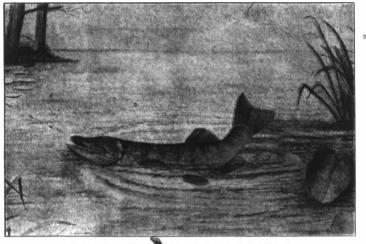
Mr. A. P. Westervelt, Secretary of the Live Stock Association, is expected back this week from an extended visit to the West, where he went in the interests of our live stock trade.

Mr. Arthur Johnston, Green-wood, Ont., sailed from Montreal on August 26th, for Great Britain, where he will spend two months in the interest of his business. We may look for another fine arrival of Shorthorns on his return trip



The T. Eaton Co. own the machine of which this is a picture. They farm on a large scale, do their own threshing, and want the best machine.

AND CANADIAN FARM AND HOME



The "Lunge" " Are 'Game' to the last gasp." (From a drawing by C. W. Nash)

Fish and Fishing

Lunge, Pike and Pickerel. Our Inland Fisheries Neglected

BY C. W. NASH

Next to agriculture, our fisheries should produce for Canada the greatest amount of wealth, of any I am of our natural resources. not now taking into consideration the ocean fisheries, but only those of our inland lakes and streams. These magnificent, fresh water magnificent, areas were once teeming with fish of various valuable kinds, but within the last twenty-five years they have been so mismanaged, that legitimate commercial fishing in the settled parts of the country has become unremunerative, and the better known game fish have even in the back country been almost cleaned out, so that instead of being an article of common consumption, fish are now to many people almost a luxury. This is a mat-ter that should interest the farmers as much or more than the dwellers in towns, and it seems to me that it is about time that they should bring some pressure to bear upon the Provincial Government to remedy this state of things and insist that some proper steps be taken to protect what fish are left during the spawning season and that reasonable efforts be made towards re-stocking our waters with nsh suitable to the locality. As the matter now stands but little of practical utility is being done and every year shows a decreasing number of fish, so that it cannot be very long before our waters are entirely depleted.

The farmers themselves, however, are not altogether blameless in this matter, for there are many streams throughout the country, once well stocked with trout or bass, but which are now fishless, owing to the pollution of the waters, so that no life can exist there, or by so clearing the banks of the streams and the springs which fed them of every tree and bush which sheltered them, that they are now dried up all the summer and are raging torrents filled with surface water in the spring, down which the fertilizing elements from the fields are drained to the lakes below.

Not only have they done this, but I am afraid that some have also done more or less illegal fishing, on the principle that if they did not get the fish, then 'some other fellow would.'' This is such a bad excuse that it is even workse than none at all. A proper observance of the law by every responsible man is one of the first necessities of a civilized community, if only for the sake of example to those who are inclined to be lawless.

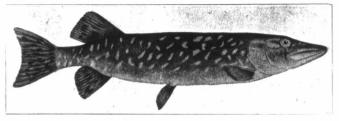
"LUNGE"

It seems to be an established article of belief amongst those who go "a-fahing" that the gamiest and altogether most to be desired specimen of the scaly tribe which they can obtain is the small-mouthed black bass. He 'black bass,'' as they commonly style it. Undoubtedly it is a fine fah, and I am willing to concede that a black bass of about three pounds weight, if well

led and in good trim, is pound for pound the equal if not the superior of any fish that swims. But there are other fish that grow larger and whose fighting qualities grow in ger and proportion to their increase in weight, such as the muskallonge and northern pike of our waters, These fellows grow to a great size and when taken in their proper season are "game to the last gasp." So that while I am par-ticularly fond of bass fishing, yet I rate fishing for "lunge" as better sport ; in fact, if I were asked to go bass fishing when I might as well go after "lunge," I should feel somewhat like the man who, being asked " wilt thou have this woman to be thy wedded wife?" said "Yes, I will, but I would rather have her sister '

Maskallonge used to be very abundant in the St. Lawrence about the Thousand Islands, in the waters of the Thent Valley, Lake Scugog, Lake Simcoe, and many of our inland lakes where they grew to great size. In 1869 Isaw a pair taken from Lake Simcoe. They were as near alike as two peas and weighed forty-four and forty-right pounds respectively. These were October fish in the very height of condition and as beautiful as fish can be. One never sees such grand apecimens now simply because these waters are so persistently netted that the fish have no chance to grow, though apart from that the conditions are just as favorable for their development to-day as

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The Pike. (From a drawing by C. W. Nash),

they were then. The great majority of the "lunge" that are taken by anglers in these days are caught by trolling with a spoon bait in July and August. The tackle used for this purpose being often of the prop and clothes line variety, not much sport can be had by this me thod. In the first place, during the hot summer months "lunge" are badly out of condition, they are off their feed and are soft. When hooked they show but little of the dash and energy in resisting capture which they display later on, and when brought to the table are comparatively worthless as food; no skill in cooking can overcome the weedy flavor which permeates the flesh at this season and which often makes them positively nasty Recently I have heard that the good old-fashioned guides who paddle confiding summer visitors about the fishing grounds have been palming off a good story on the city greenhorns to account for their inability to find and catch "lunge" this season. The truth is the fish are scarce and these same old-fashioned guides could in too many cases very accurately aced to give themselves away, but they are not in the habit of doing that, so they have got up a story that at this season the "lunge" shed their teeth and cannot bite. If so, this is a habit they have acquired lately. I used to catch a good many "lunge" in the summer

when they were abundant and have always found they had plenty of teeth and that they kept them in first-class working order. If anyone has the desire to settle this question for himself positively, he need only catch a ten pounder and as soon as he gets him in the boat, put his finger in the fish's mouth, the "lunge" will at once furnish proof that he has teeth and knows how to use them, and the seeker alter knowledge will be satisfied. Having accidentally done this on more than one occasion I can speak feeling as it were.

THE PROPER SEASON

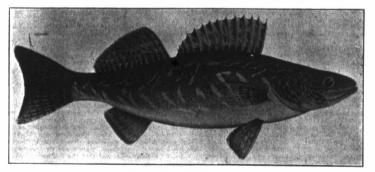
The proper season for Maskallonge fishing is the fall. They are fairly good' towards the end of September and are at their best from October until the lakes freeze Go out one of our glorious over October days when the maples are clothed in crimson and gold and nature seems to be resting after the strenuous life of summer. Leave vour heavy trolling lines and spoons at home, taking only a bass rod and tackle, but have at least forty yards of line on your reel. You may not want it all the time, but when you do want it " you want it bad." For bait use a good sized sucker or chub, hooked through under the dorsal fin so that it will work attractively in the water. Paddle quietly along the inside edge of the channels and cast from time to time on the deep

water side. Here the big fish genwater side. Here the big fish gen-erally lie if the day time when on the feed roady to dish at any prey that/passes. On getting a run give your fish sufficient time to get the bait well into its mouth and then strike sharply in the opposite direction to that in which the fish is running. The chances are that you will hook him, and then, if you have a big one, will come the tug of war, his mad rushes and franti leaps will test your nerve and tackle, too. If both hold out you will have the proud satisfaction in the end, of landing as game a fish as any that wears scale armour, but should your nerve fail you as it sometimes will with people unaccustomed to anything bigger than a bass and you lose control of your reel or you get impatient and try vank the "lunge" over your shoulder, dire will be the disaster and your soul will be crushed with SOTTOW.

PIKE

Many anglers profess to look upon the pike with a certain amount of contempt and treat its claim to be considered a game fish with derision. I do not share this feeling, perhaps,⁴ because as a boy I was brought up among a lot of farmers who were all thorough sportsmen and anglers and who, therefore, impressed upon me the idea that everything had its season and that all things living, both men and

(Continued on page 560)



The Pickerel. (From a drawing by C. W. Nash).

Some of the Early Clydesdales Early Importations and Exhibitions—The First Records

By Lt. COL. MCCRAE, Guelph, Ont.

Of the early history of heavy draught horses in Ontario we have but little record, and what is known of the early days is fast disappearing as the ranks of the pioneers are being thinned year by year In the early days of the provincial shows there was little said in the reports about the exhibit of horses, and the account of the first exhibit tion held in Toronto in 1846 says not one word about the horses shown. The mext, at Niagara, has a similar record, while at Cobourg in 1848, the report says : horses there was a goodly number; many of them possessing excellent qualities. Some well matched pairs commanded much attention and admiration. The Clydes appeared prominent in the show, on account of their great strength and At Kingston in noble aspect. 1849, it is said: " The show of horses was never surpassed in this country-especially in the class for agricultural purposes. The famous Clyde was there, with one of his progeny of similar color and nearly equal proportions." This was probably Grev Clyde (170) 78-foal ed about 1837, bred in Cumberland, and imported in 1842 by Archibald Ward, of Markham. Sire Young Clyde (949) bred by James Frame, Broomfield, Lanarkshire, a High-land Society winner, and brought to Cumberland by Mr. Pringle. He is thrice entered in the first volume of the Clydesdale stud book as (162), (165) and (949). Grey Clyde's dam was by Stitcher (831) bred by Sir James Graham, of Netherby, Cumberland, and he by Old Stitcher (577), foaled in 1813 This Grey Clyde (170) went after-wards to Kentucky, U.S.A., but while in Canada he left a number of his get and in looking over the mares recorded in the last volume (vol. XI.) of the Clydesdale stud book of Canada, this horse stands amongst the first four of the early sires.

SIR WILLIAM WALLACE

Of the others of the quartette, strangely enough they are all on page 25, vol. I. First stands Sir William Wallace (123) foaled in 1850, imported in 1854 by John Sanderson, Markham, Ont. He has the honor of being No. 1 in the American Clydesdale Record. He was a dappled brown by Glenelg (357) a grey bred by Mr. Tinning, Longtown, Cumberland, and by Longtown, Glenelg (356) by Young Clyde (949), the sire of Grey Clyde (170) above mentioned. The dam of Sir Wm. Wallace was by Bay Wallace (38) a bay 16¹/₂ hands in height, bred by Halbert Wilkin, Carlisle, and winner of the premium of the Highland and Agricultural Society's show at Berwick in 1841; he travelled the Cumberland district for a premium four years in succession. His sire was Old Bay Wallace (572) foaled in 1826, owned by Wm, Miller, Ecclefechan, and the wifner of the Dumfries premium for 1831. It will be noticed that these two celebrated Ontario sizes Grey Clyde (170) and Sir Wm. Wallace (123) were nearly connected through Young Clyde (494) and were both Cumberland Clydes. Next comes

NETHERBY

Netherby (126) 8 (1494) a bay foaled in 1862 and bred at Annan. just over the border in Dumfries shire, Scotland. He was imported in August, 1864 by Joseph Thompson, Columbus, Ont. Sire, Mosstrooper (548); dam, Jess, by Lord Byron (473). Mosstrooper foaled 1854, was by Matchen (527), foaled 1835, bred by Alex Kerr, Castle Douglass. Sire Brown Clyde (96) by North Star (1232) foaled about 1825 by Old Bergamie (573) foaled 1820 by Glancer (335), foaled 1810, bred by Mr. Somerville, Lanark, and known as Thompson's Black Horse. On the dam's side, Netherby from Lord Byron (473) by Prince Royal (647), foaled 1840, and winner of third prize at the Highland Society's show at Aberdeen in 1847. His sire was Clyde Glancer (153), foaled 1835 by Broamfield Champion (95). This horse Netherby left a lot of fine stock which is now widely distributed both in Ontario and the Northwest

LONDOUN TOM

Next to Netherby comes Londoun Tom (127) 18 (1482) a dark bay Joseph Thompson in 1860. Sire Lothian Tom (566), dam, Jess, by Lord Byron (546), dam, Jess, by Lord Byron (473), the dam it will be noticed of Netherby. His sire, Lothian Tom (566) won first prize at the Highland Society's show at Glasgow in 1850. He was then five years old. His sire Clyde (153) was by Clyde (153) by Broomfield Champion (95). These two horses that have done so much for Clyde breeding in Ontario were almost full brothers—were out of the same mare and by sires of practically the same breeding.

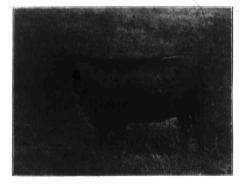
CUMBERLAND (172)

imported by David Rountree, Jr. of Weston, in 1840, is another of the early sires that takes a leading place for the number of his progeny. Bred at Carlisle he was another of the Cumberland Clydes and one closely related to Sir Wm. Wallace (123). Cumberland was by Glenelg (357), the same sire, and his dame was by Old Bay Wallace (572), the grandsire of the dam of Sir Wm. Wallace. Still another Cumberland sire figured in the early davs; this was Bay Wallace (164), no connection of the sires of that name already mentioned, unless, indeed, through the dam, whose breeding is not given, but the probability is that the name was taken as being one well known. Bay Wallace (164) was bred by Wm. Dob-Thorp Farm, Cumberland, son foaled in 1852, and by Merry Tom (532) by Merry Farmer (531), by Young Clyde (949), already menmentioned as the sire of Grev Clyde

It is rather a remarkable fact that these six sires coming from practically the same part of the Borders should be the six highest for number of female descendants in the records of half a century alter they were brought to Canada. We hope to be able at an early date to give some further particulars of these sires and would be glad to know if any portaits of of them are in existence.

Horse Flesh Consumption at Paris

A total of 30,500 horses are slaughtered annually for the Paris market. Of this number 10,500 are consumed in the environs of Paris, leaving a consumption of 19,500 in the city itself. The average weight of each horse is said to be 551.15 pounds. One-third of this is bone and \$inew_sold as waste at 7.2. cents per 1440.59 pounds. There



Shorthorn Cow Sonsie II. To be sold at John Bright's big sale at Whitby, Ont., on October 14th next.

560

remains 368.17 pounds of marketable meat to each horse, giving a total consumption of 7.178.177.6 pounds.

Prince Edward Island

Showery weather since August 1st, rather unfavorable for havmaking. Wheat and oats are ripening fast; harvesting will be on shortly. The potato beetles have not been as numerous as they were last summer. New potatoes sold first at 25c. per peck, but they were selling last market day for 6oc. per bushel. Our temporary market house has been almost overcrowded recently. Fruit is Verv plentiful. Cherries sold on August 14th for from 7 to 10c. per quart; black currants, 8 to 9c.; blueberries, 5 to 7c.; gooseberries, at 7c.; raspberries, 8 to Ioc. per quart; string beans, 5 to 6c. per lb.; ripe tomatoes, 12c. per 1b.; peas, 10 to 15c. per quart; rhubarb, 3c. per lb.; cucumbers, 7c. each; beets, 4c. per bunch; eggs, 15c. per dozen; butter, fresh, 20c. per 1b.; ducks, 90c.; chickens, 55 to 65c. per pair; flour, \$3.50 to \$5 per bbl.; oatmeal, new, **3.** So to **3.** per bol; oatment, new, **3%** to 3c. per b.; cattle, dressed, 7 to 8c. per b.; beef, small, 8 to 14c. per b., by quarter, 6 to 8c.; pork, 7 to 8c., not much offering; lamb, 9c. per 1b. Oats, 45 to 46c. per bushel; hay, 40 to 50c. per cwt.; straw, 25 to 30c. per cwt. Codfish, fresh, 10 to 12c. each; mackerel. Ioc. each

Two milch cows in good condition were offered for sale on August 14th. Good sound horses, from 6 to 8 years old, sell from \$125 to \$130. A great many tourists are summering on the Island. Livery stables are well patronized, more especially on Sundays, and business is rushing. Some fine buildings are in course of erection.

Prospects for mackerel are reported good. As high as 500 fish per day per boat have been taken along the south shore, from Souris to East Point.

Davis & Fraser, pork packers, have leased Mark Wright & Co.'s large brick factory building on the corner of Kent and Hillsborough streets. They will pack part of the hogs they buy on the Island here and part in Halifax. Cold storage will be provided. Well ied hogs, weighing from 130 to 200 fb. will be preferred.

124) Dubusas, 1990. Cows are milking better, although the flies are yet troublesome. A cattle disease made its appearance recently at Red Point, in the vicincity of Souris. Dr. Pethick, Government Inspector of Live Stock, made an examination



of some of the diseased cattle. He strongly susperts that the disease is identical with that which is known as the Pictou county cattle disease. He believes the disease is not infectious and suspects that it may be caused by the plant ragwort. He advises farmers to fight that plant as they would fire.

Too many farmers allow weeds, such as wild mustard, etc., to thrive and flourish. Some fields on the New Glasgow Road are literally covered by weeds.

> Fish and Fishing (Continued from page 558)

beasts, were entitled to fair play. The pike season, like that of the "lunge," is in the fall and through the winter; in the summer when the pike is usually caught with us, it is even in worse condition than the maskallonge, and if caught should be returned to the water. Taken in cold weather the pike is an excellent fish both for sport and food, but killing it out of season is mere waste. The method of fishing for it is the same as that prac-tised for "lunge." I need not, therefore, repeat it. It is, however, much more widely distributed. In Manitoba, it is enormously abundant and there grows to a large size, fish of from fifteen to twenty pounds being quite com-mon. The largest A ever caught in Outario weighed sixteen pounds. Pike of that size are now extremely rare here, constant persecution during the spawning season having almost exterminated them. Unless this is speedily put a stop to we shall have nothing left in our waters but a few suckers and chubs.

PICKEREL

A fish that has been very much neglected in this country is the pickerel. In Ontario we have two species, the blue or sand pickerel, which is very abundant in Lake Erie and which is of very little value as a food fish and none whatever for sport, and the yellow pickerel. This last occurs sparingly now in Lake Ontario and is more abundant in the northern part of the province. In Manitoba it is very common in most of the rivers and lakes and there reaches its highest perfection as a food fish. I can hardly call it a game fish, for when hooked it makes but a poor fight for its liberty, but undoubtedly wherever found it is the best table fish of our fresh waters Good at all times of the year it has a flavor distinctly its own, its flesh is firm and retains its firmness longer than any other I know.

Pickerel are very prolific, well able to take care of themselves and easily propagated. For stocking and commercial purposes they are entitled to more consideration than they have hitherto received.

As it is now imperative that something be done towards preserving the fisheries of our water stretches, I think the claims of the pickerel should receive attention from the powers that be September 1, 1903.



A Pair of Stock Rams in the Leicester Flock of A. W. Smith, Maple Lodge, Ont,

History and Development of Leicester Sheep What Bakewell Did. Old and Present Day

BY A. W. SMITH, President American Leicester Breeders' Association

The success and popularity of any breed of sheep possessing qualities recommending it to the favor-able consideration of the enterprising stockman, depends largely up on the push and perseverance of its prominent breeders, and upon the confidence they have in their choice. A determined and continued strife for supremacy in the show ring by several of its most painstaking and intelligent breed ers, not only improves and developes the breed, but it draws atten tion to the merits of the breed and attracts the notice of thousands, who might probably scarcely know of their existence otherwise. These thousands, becoming interested in the strife, also become interested in the breed, and when they make a choice the breed to which their attention has been most largely attracted, by the developed and displayed excellence of the breed, through the energy of the breeders or exhibitors handling them, is the one first to enlist their investigation and from which they will most likely make their selection. And if the breeders have been true to the great principles of breeding, and honesty, and the breed be one of the first rank for utility. their first choice will be permanent.

Some breeds have been more fortunate than others in having a succession of men, year alter year, giving their best thought and atlavored breeds have been the Leicestar, the first of all breeds to be intelligently improved and used as a refining and improving element in cle evolution of almost all others of the mutton types since that time when Bakewell had, through his thoughtful, methodical selections towards a high ideal, astonished the country by his achieveuents, and left to the world a legacy worth uncounted millions, as well as making his name immortal THE MANY YEARS OF CAREFUL BREEDING

by the foremost stockmen during all these years, changing somewhat by selection to suit the ideals of the strongest breeders and their environments, is one of the greatest elements in fixing the grand prepotency of the Leicester. As a breed for crossing most successfully upon every class of sheep with which it has been mated, it gives the greatest uniformity in type and This is one of the most imsize. portant recommendations for the Leicesters as a breed, and when coupled with early maturity, which quality they possess in a very marked degree, easy feeding qualities, made a first consideration by Mr. Bakewell in his work, prolificacy is almost unequalled.

THE PRODUCE A LARGE PERCENTAGE OF LAMBS

A most remarkable case came under my personal notice during the past year. I sold a few eves to Mr. Glen, near JGoderich, Ont. In March, 1902, he had two eves give birth to four lambs, one eve lost one of hers, but she raised the other to weigh 200 B, at seven months old. Both these eves dropped lambs again in October, 1902one each, and in March and April, 1903, one of the eves twos actually producing seven lambs in the thirteen moutks, at three births.

However, breeding twice a year is not a characteristic of the breed, yet the production of 175 to 200 per cent. increase a year is quite common, and is surely a very great recommendation for any breed, and in the Leicester particularly so, because the ewes are excellent milkers, and quite capable of raising two lambs successfully. As an instance, I have in ny flock just now a pair of twins weighing 295 D., at live months old, and three from anather ewe, weighing 395 lb., at same age. To the farmer the ewe that will raise two good lambs successfully, is certainly more profitable than if only raising one.

BORDER LEICESTERS

The breeders of the border counties of England and Scotland, led by Lord Polworth, of Mertown, mear Kelso, Scotland, developed a type which have been named Border Leicester, and which thoroughly suits the North country, and crossed with the mountain sheep, the Blackfaced Highlander, and Cheviot, produce the choicest and highest priced mutton.

Many years ago the English Leicester was imported in quite large numbers to Canada, and much interest taken in the breeding and development of the best type, and so successfully that Leicester breeds practically stocked the sheep farms of Canada, and they still do so very largely.

THE ENGLISH LEICESTER

in Great Britain to-day, mostly in Yorkshire, is quite a different type from the earlier importations, and would not at all suit the fancy of Canadian breeders. For many years Border Leicesters only have been imported, or, with very few exceptions, and the Canadian or American Leicester, coming from a large infusion of Border Leicester blood with the early importations of the English, or old Bakewell Leicester as it has been called, is prac-tically the same type as the Border Leicester in the flocks of the best breeders in the old land. We have from the ald type a deeper body and generally shorter legs than the Scotish flocks have, yet they are working to the same end by selection, and to-day their best, their prize winners are shorter on legs, deeper bodied and much thicker and heavier in fleece, than they were fifteen or twenty years ago. Once breeders were not particular as to thorough covering with wool. Now it is rare to find one in the best flocks not thoroughly covered right up to the ears, with a dense mass of curls, soft as silk almost, long and lustrous. The English breeders have found it necessary in their wet, "muggy" climate to thicken the fleece, or the curly spirals, until I have seen flocks get up in the morning after lying all night in a steady rain, shake themselves



Two Shear Leicester Ram got by "B 61^{\hat{H}} Stanley [imp.] size of champion ewe at Chlcago in 1902, and four lamba the get of one size. Bred and owned by A. W. Smith and start off to feed with a perfectly dry skin, the mass of curls seeming impervious to the wet. This is the stamp of wool also we try to grow here in Canada.

THE CARCASE OF TO-DAY

The advanced breeders of all classes of sheep recognize the demand for a different carcase than was sold a few years ago and strive to develop their herd towards that type. To-day the fleshy carcase is wanted with as little surplus fat as is necessary for the finest lean meat. Both the old country breeders and those in our own country have selected and bred to that end so successfully that prominent handlers of large quantities of meat to the best customers say unhesitatingly, they get the best results from the Leicester.

The Leicester of to-day is of good size, stylish and handsome, well woolled, and carries a wealth of firm natural flesh.

The Pure Bred Live Stock Trade Quite recently we have heard with regret of the financial difficulties involving several prominent American live stockmen. After several years of high prices and a good demand for pure bred stock it has almost been forgotten that there is such a thing possible as an over-supply. Practical experience teach-Practical experience teaches that for the maintenance of profitable trade in any commodity there must be an equilibrium between supply and demand. Recognizing the truth of this the Dominion Live Stock Association have been devoting considerable atten-tion the last few years to the extension of Ontario's trade

The aim of our institutions for the spread of agricultural education, in order to increase the fertility of the land, has been to encourage the rearing of an increased number of live stock. Unfortunately, in some cases, farmers have been incited by the profits accruing from the herds of reputable breeders, to enter the business before they had acquired sufficient knowledge of practical breeding and feeding principles, and market requirements. Often the change is made before they realize that breeds are resultant from artificial conditions; and that, having been created and moulded by a strict observance of the intricate laws of breeding and feeding, they quickly deteriorate when subjected to condi-tions almost involving "the sur-vival of the fittest,"—a law which in these times should be left entirely for the salvation of those animals not subject to the guidance of human intelligence. Another and smaller class go to the opposite extreme and lavish too much care and attention upon their stock These are usually people who cater to the desires of a fastidious but not too responsible public for fashionably pedigreed anim-This induces an unhealthy deals mand for popular strains of families, which is sometimes very demoralizing to the market.



Naturally, the first requisite to the improvement of trade must be the production of animals well suited to the requirements of the markets, both in breeding and in individual conformation. Involyindividual conformation. ing, as it does, the whole science of animal husbandry it is impossible to enter into an intelligent discusit to say, that the work being done by the agricultural college, farmers' institutes, fall and winter fairs, with expert judges, auction sales, etc., in disseminating throughout the farming communities proper conceptions of pure bred live stock, and leading to a larger percentage of good animals being raised each year. All breeding animals sent out of the province should be of such high quality that they may become as beacon lights to point prospective buyers and interested parties to the place of their nativity; each animal is, as it were, a walking advertisement of the skill and care of its breeder.

The natural market for Ontario stock is the Canadian West with its millions of acres of fertile land and thousands of new settlers arriving each year. Many of the new arrivals are not aware of the advantages accruing from the introduction of pure bred males into their herds, so educational work has first to be done along this line. On many of the large ranches there is often not a single pure bred animal to be found. Every observant old rancher has learned of the case with which a bunch stock deteriorates, and of the difficulties in the way of grading up To keep up the standard again. of quality requires persistent attention, especially under existing range conditions where indiscrimin ate breeding is difficult to avoid. Notwithstanding the arguments of a lew that the range bred male costs less and leaves more progeny, the importation of fresh blood is a necessity. There are now to be found scattered throughout the West, particularly in Manitoba, many breeders who are making a specialty of rearing pure bred stock for their own trade. This, at first This, at first thought, might be considered a hindrance to the sale of Ontario stock, but it need not be so if one only realizes the vastness of the territory and the large numbers of improved stock that should be There is room for all the used. breeding animals Ontario and the West itself can raise for many years. One drawback to the trade has been caused by the short-sight-ed policy of some breeders of believing in making large profits and few sales rather than small profits and many sales. The latter plan will ultimately lead to the greater prosperity both for individual breeders and the country as a whole. It is hoped that with the hearty co-operation of breeders the efforts now being put forth for the exten-sion of trade in the West will aid materially in continuing the pro-sperity of the pure bred live stock industry

September 1, 1903.



A Flock of Cheviots. Through courtesy of the National Stockman and Farmer

A Scotch Sheep Farm

Among the Cheviots. The Shepherds of Scotland. Away from the City's Din and Bustle

My friend X is one of the best fellows living, and our friendship is a plant of some 30 years growth.

Away op 'mid the swelling green hills of Dumfrieshire he follows his occupation as a breeder of Cheviot sheep; and there from time to time I pass a quiet day or two in his comiortable home, far from the din and bustle of towns and railways and even from the stir that belongs to an arable farm where crops and cultivation demand the constant operations of men and horses.

A dozen miles from a railway station we drive together, first through a pleasant vale where crops and cattle are blended with pastoral sheep breeding and grazing. Gradually we rise from the village and village church to higher ground where crops cease and one wide extent of pasture in gently swelling uplands succeds.

Higher still and higher we climb till, surmounting a ridge, we look into the valley of the Black Esk, a vista wide and deep and bounded on all sides by long. sweeping hills of varying shades of green, bare of trees, but dotted thickly with white specks, the fleecy flocks that are the care and the capital of the sheep farmer.

A SHEPHERD'S COTTAGE

or two may be seen, and then, some two or three miles ahead, stands on the further side my friend's home. Substantial, comfortable, and situated at a point commanding a wide prospect of these dales. The steading (stables hollow close by, and ample barns provide storage for the stock of mountain hay that is the sole provender of cattle in winter and the sheet anchor of the sheep farmer should frozt and snow cover up the natural supplies of winter pasture for his flocks.

Here, then, X passes a quict, interesting and gentlemanly life, with sufficient occupation in the oversight of his business, but still with ample leisure to enjoy the pleasures of reading, fishing, or other recreation, or the "dolce far niente" of perfect quict and rest.

THE DAILY POSTMAN

at 10 a.m. is an event of the day, and the "Scotsman" of the day previous is quite early enough news of the outside busy world in that calm retreat.

How I have enjoyed my day or two there when it has been my privilege to shake off for a time the ares of business, and of lowland farm life! My friend is a bachelor, but a housekeper who has been for years in charge of household aflairs, makes us so entirely comlortable that possibly my holday is none the worse.

A long summer evening gives opportunity for a stroll and a chat about old times, and next day we wander for miles over the farm visting hirsel after hirsel, till the hour for lunch is most welcome. The stock on the farm are Cheviots. On some higher farms the Blackfaced, or mountain breed, but in both cases the management is very similar.

3,000 CHEVIOT EWES

 M_Y^i friend has some 3,000 Cheviot ewes and breeds pure Cheviots. On some lower farms the lambs are by a Leicester sire, and are described as half-bred's, while the produce of the Blackfaced ewe and Leicester ram are called crosses.

The even are divided into flocks or hirsels, each the care of one and occasionally of two shepherds. The lands are unfenced, except at the outer boundary, but each hirsel keeps to its own ground. The eves are reared on the farm and breed

for four years. Each year the old and laulty ones are weeded out in autumn and the best ewe lambs are kept in sufficient numbers to supply their place. ply their place. As these have their first lambs at two years old, there are always an equal number of one year old sheep on the farm, which are called "hoggs," and at their first lambing "gimmers." A ram is required for about 50 ewes, which are called "hoggs," and a change of blood is obtained at the annual sales held in September, or by private purchase. Lambing time begins in April and shepherds have a busy and anxious time. Extra help is required and early and late must the shepherd be aloot. If the weather be stormy and vegetation backward it is all the more trying, and many lambs are lost in spite of utmost care. In May all the male lambs are castrated unless a few are kept for rams, and then comes the clipping time about the beginning of July. This used to be a great event in the sheep farmer's calendar, when wool was worth double its present price and was often equal to the rent of the farm, but now prices of wool have so declined that a great reduction of rents has been inevitable

LAMBING, MARKING AND CLIPPING

make a busy time, but there is also the gathering of the flock for dipping at least twice a year, and the drafting of the stock for market.

The best of the wedder (wether) lambs are sold during August, the smaller ones and second draft of ewe lambs in September-and the smallest lambs and draft of cast ewes in October, and then the sheep farm settles down for the winter. If the season is genial the stock are able to care for themselves, but if some weeks of snow with frost set in, covering up the pastures, the flock suffers, and then the stock of upland hay, which has been secured during a previous summer or two, is the only resource. In cases of extreme severity the farmer may require to buy hay and grain, but these make too big a call on his pocket, and such feeding is avoided if possible; ble; indeed, it is best to let the flock be self-relfant, and hay is only fed as a necessity.

Sometimes losses are heavy and in others the **Bock** comes through a winter storm much reduced in condition, and the loss is felt at lambing time. All the principal work of mark-

All the principal work of marking, shearing and dipping is done by co-operation of shepherds from other farms, who gather at one centre, and so they go the round from farm to farm for many days in succession.

THESE MOUNTAIN SMEPHERDS

ate a splendid class of men; reared from their youth on such farms they often spend the best part of their lives in one situation. They are reliable and honest, zealous in their employer's interest and kenly interested in the welfare of their flocks. At certain times their duties are light, at others they are arduous, and in times of storm they have often to battle with the elements at the risk of their lives.

Their wages amount to £40 50 a year with a cottage, and fuel and they are occasionally paid in cash, but more frequently they keep one or more cows and some have a small flock of ewes kept on their master's lands.

They have some disadvantages, far from school or a doctor (but when do they need a doctor ?) and, after having to go miles for weekly supplies of groceries-but have they not compensations in fresh air wholesome food, healthy bodies pure minds and unbounded freedom in the company of everlasting hills? What a nursery ground for men and women of the best type ! Men must, however, be bred to such a life. To the city bred man or woman it would be unbearably lonely and irksome, and in time he would have to trail back to the stir and society, such as it is, of the slummy, noisy city.

GALLOWAYS AND "BLUE GREYS"

X and I had many a quiet stroll amongst his Galloway cows and their blue grey calves by a white Shorthorn sire, or over by the val-ley of the Black Esk, where, in the clear pools, enough trout were to be seen to make us long for a rod and the enthusiasm of 30 years ago, and ever and anon I felt the ago, and ever and anon rice the influence of the comparative soli-tude in which we moved. The great expanse of hill and valley, green but treeless, sheep everywhere, but with few signs of human life, occasionally a shepherd was met cutting hay, or roving round with his dogs amongst his flock. An occasional grouse would whirr off round a knoll, and the curlew and plover made constant calling overhead-but such air, fresh and pure, it passes over miles of mounmin and valley, unsullied by smoke, and fills the lungs with champague-what a sense of health, of appetite it imparts. of of vigor, of appetite it imparts And how the eye takes in the vary ing shadow of the landscape, bright sunskine here, flitting cloud shadow there and yonder a rain cloud, with mist and sweeping shower. Surely, as compared with this, life needs many compensations.

is a fixed annual sum fixed for a term of years, 5, 10 or 15, as may be arranged, and varying in amount according to the extent and capabilities of the farm, but costing, as a rule, from 6s. to 12s. per ewo kept, according to the class of sheep and pasturage.

On many farms it is necessary to hire winter keep in the low country for the one-year-old sheep, and in many cases the rams are sent to lowland farms to winter on turnips

These outlays make a hole in tenants profits, and for a dozen years or more, there has been a steady fall in the rents of sheep farms, due largely to the fall in

the values of mutton and wool, but chiefly of wool, through increase of foreign importations.

THE PALMY DAYS

of sheep farming in Scotland were from 1860 to 1880, and large fortunes were then made by those who were favorably situated as regards leases, but the reaction told heavily and great losses were made until rents were brought down 30, 50 and even 70 per cent.

At present the business of sheep farming in Scotland is not by any means a lucrative one. Where rents have been recently adjusted a fair return for capital may be realized, but in other cases falling prices have extinguished profits. With favoring circumstances there is no life of greater attractions than that of a sheep farmer. While care and management are essential there is none of that bustle, worry and drudgery which many occupations demand, and there is at times abundant leisure. 'Sing, poet, 'tis a merry world :

That cottage smoke is rolled and curled

In sport, that every moss

Is happy, every inch of soil ;

Before me runs a road of toil

With my grain cut across. Sing, trailing showers and breezy downs-

know the tragic hearts of towns." So sang Alexander Smith.

and so must sing many thousands of weary hearts doomed to toil under the glare of gas in the murky gloom of factory and warehouseor crowd with fever haste the city street .- The sunshine and the air of heaven are some of God's best gifts

Thistledown July 1st, 1903.

All Looking to Canada

The Australian pastoralists have suffered such tremendous losses ow ing to the prolonged drought of the past lew years, that many of them are turning their eyes to Canada as a more suitable field for agricultural operations. An illustra tion of this is furnished in a recent letter from Mr. Robert Caldwell, Chairman of the Council of Agri-culture of South Australia, to Mr. J. A. Ruddick, Chief of the Dominion Dairy Division, who was formerly Dairy Commissioner for New Zealand. Mr. Caldwell says : "I would be greatly obliged if you could supply me with your opinion of the land that the Dominion Government are opening up for settlement, and whether vou consider prospects for settlement are the equal to what obtain in New Zea-Perhaps the Department land. have literature on hand that may meet the demand for information that is being made upon me. I have, myself, several sons who do not care about the prospects of farming that obtain at the present If inducement time in Australia. offered, they might turn their attention to the grain lands of your great Northwest.

. We have had a succession disastrous seasons, but the gloom cloud seems to be lifting, as the present year has had a most aufavorable we have had for some Still, there are dry patches time on our great island where an effort is being made to obtain rain by artificial means." W. A. Clemons.

Fatality in Pigs

It is said by many that the hog is more easily thrown off his feed, that is, he is more subject to indigestion, and that the troubles caused by indiand that the troubles caused by indi-gestion are more pronounced with him than with our other stock, but the fact is that we give our other stock feld and care that more nearly resemble the conditions in which na-ture intended them to live. In his natural state the hog had

and herbs, and these formed a part of his diet that enabled him to digest other foods. Constipation followed by other foods. Constipation followed by diarrhoea in young pigs and weakness of back and legs in the older ones are among the immediate results of over feeding and indigestion, and these are very often followed closely these are very often followed by the "Fatality of the Pig." Herbageum will overcome

overcome these Herbageum will overcome tnesse troubles even when they are in an ad-vanced stage, and if it is fed regular-ly every day with the usual food the whole difficulty will be avoided and at the same time a more rapid at the same time a more rapid growth will be secured. This last, of se, goes without saying, as we know that any animal in a per-state of health will have a more ourse, all know fect state of health will have a more natural and rapid growth than one that has stomach or any other ail-ment. A few letters along this line over the signatures of practical men will probably carry more weight than

"Last fall a pig that I was f tening became sick, and continued fatfor about three weeks, and finally grew so weak in the legs it could not get to the trough. I gave instruc-tions to try Herbageum, and if it would not eat it to put it into its month. After a few days it was able to walk around and eat well, and in a short time was in good order and the trough.

a short time was in good order and fattened quickly. — Joseph Ostiguy, Chambly Basin, Que.'' ''I had a sow which shortly before farrowing became so weak in the hind legs that she had to drag hernind legs that she had to drag her-self around. Hearing that Herbageum was good, I tried it, and in three days she was walking around all right. Since then I have used it for pigs, cows, calves and poultry, and find it beneficial.-James Brown, Burnstown Ont

Burnstown, Ont." "In feeding Herbageum to a pig we found it kept its legs strong, while one just like it which got no Herb-ageum failed, and Mr. Andrew Harageom failed, and Mr. Andrew Har-rigan, a butcher of this place, having a hog which he said was dying, we a nog which he said was dying, we advised him to put some Herbageum into its mouth, and to repeat this several times. It began to eat, soon into its mouth, and to repeat this several times. It began to eat, soon improved and throughly recovered, and was sold for \$16. Mr. Valentine, a farmer in this section, had a sim-ilar case. Neither party knew what was the matter, but the Herbageum curred in both cases, and they con-tinued its regular use after the re-covery -John Walker & Co., Tiver-ton, Ont."





Residence of Mr. Arthur Britten. A Typical English Farm Home.

The Billing Herd of Shorthorns

Historic Northampton. Laying a sure foundation. The changes of years

Northamptonshire is, for the most part, as Canadian importers of stock are well aware, a noted grass country. The town of Northampton, though nowadays chiefly known as a shoe manufacturing centre, was in the middle ages centre. one of the most important places in the kingdom, Court and Parliament frequently sitting there months together, and in the fi-teenth century the University of Control century the University of Oxford was very nearly being Mransplanted thither bag and bag-gage. The city is 65 miles north-west of London, an hour and a half's journey by rail, and the first stopping place for several of the London and Northwestern trains It is, moreover, in the very heart of England, being within a mile or two of the same distance from the east, west and south coast respec tively Its cattle market is still among the best known in England.

The county has been celebrated for its Shorthorns ever since the breed was first developed, and has also been noted for the large business it has done in grazing and finishing the black Welsh cattle purchased at the storing



A Trio of Oxford Down Sheep at Billing

lairs in Wales. Black cattle have been brought to Northampton from Wales every spring lor five hundred years and sold fat in the fall, and bits of an old track can be traced here and there among the modern raitroads and highways of England, known as the "Drovers" Road." Mover, valuables and despatches as well as cattle, used to be brought to England in days when travelling was unsafe by the drovers, who handed together in groups for safety as well as comcant

RURAL ENGLISH SCENERY

But it is of the breeding of Shorthorns, not the grazing of Black Welshmen I wanted to say something.

Among the best known of Northamptonshire breeders is the subject of this sketch, Mr. Arthur Britten, who for a long time has done a considerable exporting business to the United States. South America, South Africa, and New Zea-land, as well as to Germany and Sweden. Mr. Britten's farm is at Great Billing, a charming old-fashioned village, some four miles from Northampton, and his forefathers have been tenant farmers here The farm is since the year 1600. part of the Great Billing estate and consists of about 450 acres, sloping gently down to the valley of Nene, where there are extended where there are extensive The farm is mainly meadows. grass and lies for the most part on the red iron stone for which the country is famous. The home-stead, with the old village, its rectory and fifteenth century church and Billing Hall, the seat of the owner of the property, with its beautifully timbered grounds, makes as complete a picture, perhaps, of peaceful rural English scenery as can well be found

PEDIGREE SHORTHORNS

were bred at Great Billing for about fifty years by Mr. Arthur, Britten's lather, previous to 1856, when they passed into the hands of his son. They then consisted of a herd of fifty breeding cows of the old Knightley blood, subsequently reinforced by cows from the wellknown herds of Messrs. Cartwright, Faulkner, Bagshaw and Longland. Bulls were introduced from the herds of SirgW. de Capel Brooke and Mr. Sartofes, of Rushden, very high prices being paid. Then came two bulls, very lamous in the eighties, Kinsman and Lord Lyndhurst by Mr. Booth's Royal Mowbray. Next, with the object of retaining the heavy flesh and good constitution in addition to the milking properties for which the herd has long been celebrated, Primee Rulus, of the Windsor, Cruickshank and Dudding stocks, was brought to Billine.

This bull left a grand lot of young heiters and bulls of rich dark reds or roans, and incidentally such good milking stock as take frequent prizes in the darty class at the Northampton show.

The next purchase was Royal Hereules, by the noted bull old Hereules, and he is still on service with Mr. Britten's herd. He is a typical specimen of what a Shorthoin ought to be, possessing wonderful depth, standing close to the ground, very even in flesh with a rare outline and splendid stamina, which he imparts in a marked degree to his progeny. The next thing was to find a suitable outcross for the Hercules heifers, and with this purpose Mr. Britten went to various sales in England and Scotland, but finding nothing quite to his fancy, crossed to Ireland and bought at the Earl of Cale-don's sale, at a high figure, the young bull Fassfern, winner of the first prize in a strong class of yearlings at the Dublin show, and the Shorthorns Society's first prize at Belfast. Fassiern, whose sire was the celebrated prize bull "Sign of Riches," is now in use. This amalgamation of choice blood and judiious blending is now depicted in the present herd, all being of the same uniform stamp, massive bod-



Mr. Arthur Britten



The Stables at Billing. The Bull Fassfern to the left of picture.

ied and low grown combining the two essential qualities which go to make a good Shorthorn, beef and milk.

DOES NOT RELY ON SHOW YARD HONORS

Mr. Britten is one of the very few who does not rely on showyard honors to keep up the reputation of his herd. The young hulls are not pumpered by writhcal feeding, so when placed on the big plans of the Wisten States or the Argentine 'Say do not waste or lose flex), and yigor.

"tie herd is kept in the most natural state, the cows and heifers ate out every day in winter. The younger bulls are generally run in two well tenced paddocks. The older ones are turned out in the early morning in the paddock adjoining the homestead and there is, I think, no doubt, that the hardy constitution for which this herd is noted is due to the natural and healthy way in which the animals are raised The young brills are in great demand in various parts of the world, and whether in America or on the continent of Europe the patrons of the Billing herd always return to it again. It is a fine outlook on a June day, from the lawn of the homestead, the beautifully grassed, deep pastures, bordered with elm trees, rolling down towards where the Nene winds through fertile hay land and away over towards the old city of Northampton The cows and young stock look their best amidst such a scene, scattered over the pastures or lying in groups on some high grassy knoll

FARMS HAVE CHANGED HANDS

to an incredible extent in Northamptonshire, as in many other parts of England, in the last twenty years. In former days they would be mostly Northamptonshiremen; now they are Scothmen, Welshmen, Cornish and Devonshiremen, and new tenants from all parts of Great Britain attracted by the low rents of the Midland and Eastern countries of England. consequent on the ruin of so many of the large farmers of those districts who were not so well prepared to grapple with the bad times as the smaller new way of the big their own work. Many of the big larms have been divided and let to many of this description. Mr. times as the smaller men who did strangers of this description. know every farmer, more or less, for twenty miles in any direction from his house, and that now they are practically all strangers and a different type of men, no doubt better suited to the change of times. The few large farmers, however, who have been in pedigree stock have more than weathered than weathered the storm, even if it is melan holy for them to see the havoc it made among their neighbors who did not specialize or had no aptitude for

" THE CRACK FOX-HUNTING COUNTRY."

Northamptoushire, it must be remembered, is the crack to shunting country of England. It is no unusual thing to see five hundred horsemen, the majority expensively mounted, collected at a Pytheley meet. In former days the big farmers hunted not only because they liked it, but to show off and sell hunters to the wealthy sportsment who flock to these parts. In fact, the breeding and making of coung hunters, which, if worth anything, sold for £100, sometimes for £000, was an exciting adpanet to farming to the man who understood it. Times are not what they were in this respect. Mr. Burtten has alwaxs been a firstclass cross - country rider, and horseman and judge of a horse, and still keeps one or two good ones for his own use. His son has followed in his steps in all ways, and adventured in still others, going out as cavalry volunteer to the South-African war and winning a commission who he did not accept, but returned when the lighting was over to the land and all that concerns d

COXFORD DOWNS ALSO

Mr. Britten has been judging at shows all over England for the last quarter of a century, and as we stood looking at a beautiful toan call, he was very hill of the science, from the exhibitor's, not the judge's point of view, of mak ing a beast assume lits best attitude as the judge's eve fell on it, and saving how valuable a cattleman was who could work this pro-There is a nice flock of Oxford Downs at Billing, too, pur-chased from Mr. Eady, of Irchester, whose fame is, of course, world wide. The land seems to suit them exactly and they grow to great size, whereas Shropshires, erough, seem to fail altogether to We were loosing at specimens of both in the same held that had had precisely the same chances and the contrast was most striking. Shrops being the hardier sheep does not account for it, as Cheviots appear to do well in the same fields. The difference within half a mile in England between pastures of the same apparent quality is most remarkable and inexplicable as influencing varius and not widely different breeds.

Labor is searce now in Northamptonshire as elsewhere. Mr, Britten pays extras and allowances molided nearly $\underline{\xi}_1$ a week, or $\underline{\xi}_{20}$ a month, but the farm hands in England, of course, board themselves. I have seen in the course of ny life a good deal of the laborer, on both sides of the Atlantic, and I should say that the Canadian of the right sort was cheaper at $\underline{\xi}_{20}$ a vear and his keep than the Enj-



A Group of Shorthorns Grazing at Billing.

September 1, 1993.

lishman at less. My visit to Mr, Britten's was made at the beginning of cutting, what has proved, one of the biggest hay crops of recent years and in our county, at any rate, it has been splendidly saved.

In conclusion, one curiosity of the old Billing homestead may be aptly mentioned, namely, some twenty or thirty Wedgewood china dishes used in the dairy, that have done service for a hundred years. On expressing a natural surprise that they had not been broken. I learned that the dairy contained another equally strange story, which doubtless accounted for it to witt that in fitty veats only two successive dairymaids had been employed.

AND CANADIAN FARM AND HOME

This fact has no connection with farming and none with Canada, but it might interest my readers know that within sight of Billing, a mile away, beneath the ancient church of Ecton lie the bones of many generations of Franklins, the ancestors of the great Benjamin. whose father came directly from Six times a day you can there hear the chimes playing at some length the tune of "Britons Strike Home," put up in the church tower by Benjamin Franklin's uncle the year 1700, and set to that tune. Ten miles away, in the other direction, lies Brington, the home of the Washingtons, to which de-vout Americans flock by the hun-

Bedford.



Roping Calves for Branding on general round-up, Southern Alberta.

Ranching in the Canadian West

The Advance of the Settler. Methods of the Rancher. Where the Profit Comes in.

By R. G. MATTHEWS, SECRETARY TREASURER WESLERN STOCK GROWERS' Association.

Barely 20 years ago the ranching industry of Canada came into ex istence and in Southern Alberta the first venture was launched Since then the cattly growing busi-ness has spread with leaps and bounds over a wide area of country until now it reaches from the bony ribs of British Columbia to the far off plains of Assiniboia and from the northern limits of the Western States of America to the precipitous banks of the Red Deer River, many miles north of the main line of the Canadian Pacific Throughout the length Railway. and breadth of this immense area. ranching is the principal industry There are a few sections devoted to farming more particularly, but, as a whole, the raising of horses and cattle is the main business of the The pioneers of the busicountry.



Branding and Cutting

ness were such well known com panies as the Oxley Ranche Co. the Cochrane Ranche Co., the Wal rond Ranche Co., the Circle Ranche Co., and the Northwest Cattle Co., and it is, perhaps, an interesting sign of the times that the first of these has only just recently, within the last month, in fact, sold out lock, stock and barrel on account of the ever-increasing arrival of new settlers. As the very nature new settlers. As the of the business, if it be carried on upon a large scale, requires large areas of unfenced land, fairly numerous watering places, which are easily accessible, and a practical freedom from settlement, it would seem that the large herds in Southern Alberta, the original ranching country, must before very many years necessarily be a thing of the And what is the experience Dast. of Alberta, will, in the naturalcourse of events, undoubtedly be the same of other districts in the more or less distant future. Because the big herds or, to put it in another way, the big companies, must sconer or later "shut up shop," or move further afield, that does not so materially affect the business itself. "Other times, other ways." There will probably be just as many cattle only they will be cut up into small herds.

ENCROACHMENT OF THE SETTLER

To arrive at an intelligent idea of the business one must first grasp this fundamental axiom, viz.:

-that the average land throughout the ranching country is only cap-able-in its natural state-of supporting one animal to twenty acres. At least that is the universally admitted theory up here in spite of the fact that the original grazing leases granted by the Government called for one animal to every ten acres. It can readily be seen that, unless one's cattle had access to some common range, one could hardly ever expect to be in a position to own sufficient land on which to run or raise a sufficiently large herd of cattle to make ranching the profitable business it now is and which it has been for many years back. The range is the pubnot by the Territories, but by the Dominion of Canada ... As this part of Canada is now attracting to a more or less extent the same attention of new settlers as the remainder of Canada, or at any rate of the Territories, is, the result is that homesteads are beginning to be entered for in sections hitherto devoted entirely to cattle grazing. A fence springs up and encloses, perhaps, the only living spring in its vicinity and one at which range cattle had been accustomed to water at for years. The result is that the range cattle in that section have to hunt a fresh grazing ground where, in due time, the same thing occurs, and so on, and that is why in the more thickly settled parts the old system of ranching is threatened with extinc-tion. There are still many thousand of acres vacant and available for the ranching of stock, but much of the land originally occupied by range cattle has been found particularly suitable for farming and has largely been settled on, fenced, plowed up and cropped, and the cattle have had to move on.

THE RANCHER'S METHODS

After all the methods of ranchers are probably what will interest eastern readers, not the more or less dry platitudes on the feeding vapabilities of an are of range sod and so forth. The business may be divided into breeding and feeding. In the first place a man owns a mixed bunch of cattle for the purpose of breeding calves and raising beef sters; in the second place, he buys a yearly supply of young



Branding

Si inu

Range Cattle at Pine Couler, Willow Creek Rang . Gener J Round-up, S. Alberta.

steers, yearlings, or two-year-old (dogies, they are called in this country) and ranges them until they are fit for beef. The latter system is not now being worked to the extent it was a few years back. They are both profitable, but in my opinion, the breeding business is the more so, as I will presently try to show. Dealing more par-ticularly with this branch, there fore, one may confidently state that the yearly loss on a mixed bunch of range cattle, as distinct from dogies, is, in an average climatic year, extremely small. What loss there is falls chiefly on young calves, and a great deal depends on the time of the year when these important additions to the herd begin to arrive. It is the aim, consequently to so run things that they do arrive at a time of the year when one ought to be able to reckon upon good weather. There is a law existing in certain dis tricts of the Territories which is called the "Bull Ordinance. prohibits the running at large on the range of any bulls between April 1st and July 1st in any year and results in the rancher being reasonably able to ensure that his calf crop shall not commence before the opening of spring. Every owner of a bunch of cows is presumed to have bulls in proportion. The proportion varies with the man. Some have 1 bull to 25 cows; others have 1 to 50, and others again 1 to 100, while yet others have no bulls at all. They take chances on their neighbors'. On July 1st the bulls are turned loose and the range cows are bred during the following

months. This method may seem a loose one and the percentage of dry cows some vears is no doubt rather alarming, but, on the othe hand, it is the only feasible method, and there are also years when the percentage of calves to cows is almost astonishing, considering the mon thing for a rancher to get 75 per cent, of calves, and it some times goes even higher, and I know of one instance where one got 98 calves out of 103 cows. The aver age rancher, in fact every rancher in the country, has hitherto de pended largely on the open range for the sustenance of his cattle His cows, calves and bulls be keeps at home or close to there he but his beef animals he turns out on the range and they stay there until they are beel, which is sometimes when they are three years old, but more often when they are iour

THE SPRING ROUND UP

The first work of the year aiter the opening of spring is the "Spring Round-up." This usually starts out in May. Each round-up and there are some 20 in different parts of the country, covers a cer-tain district and is composed of representatives of the various ranchers in that district. Each representative, or Rep. as he is call ed, brings with him a string o of from 8 to 12 saddle horses for his own use: the round-up captain, elected before the round-up starts out, directs the whole operations what he says, goes, and no one else has anything to say about it. He is the boss of the show while the cound up lasts and is naturally, as a rule, the cleverest cow hand of the party. The cook, a very important person, the wrangler or horse-herder, and the mess wagon complete the outfit. The party meets at a previously agreed upon location, and when all is ready they start off over the particular tract of country they work, gathering all cattle. These, at certain intervals they sort out. The young calves are branded, cut, ear-marked, and turned loose again. Those animals which don't belong to that range, that is to say whose owners live in another part of the country, are carried along in a herd and are finally turned over to a representative from the section of the country where they do belong this way the country is kept cleaned up.

BREFDING AND BUYING DOGLES COM PARED

Ranching methods have undergone considerable changes during the last to or 12 years. To-day the rancher who wishes to make his business profitable pays particular attention to his she-stock Some keep this part of their herd under fence practi ally the year round. The more this can be done the higher the percentage of calves is bound to be. In the old days the calves were allowed to run on the range the year through, and it was a clear case of the survival of the fittest. Nowadays it is usual, is in fact the universal practice, for them to be gathered in the fall and fed through the winter months, thus tiding over the most danger-



Cattle on the Range. General Round up, S. Alberta.

September 1, 1903

ous period of their existence. There is this to be said of range calves. that they get their mother's entire milk supply, there is no "divvying" up with the milk pail; the result is that a range-bred calf is, as a rule, a far finer specimen than is its brother dogic of a similar age from the eastern provinces. much so, indeed, that a yearling range steer is nearly equal to two-year-old dogie, while the formet at three years old is often better beel than the latter at four, that is, up here. As to the cost of raising, it should be about the same both cases. Take, for instance, in a bunch of 100 dogie yearling steers and it is not difficult to figure out what under average circumstances will be the profit on the transac-Their original cost will be, tion. say, \$21 a head, or \$2,100. It is usual, it is in fact necessary, feed them through the first winter, and the cost of this can be put at an outside figure, at \$3 a head, or \$300; from then on they can be turned out to take their chanturned out they are re ces until they are re market So far are required for the cost has not been very excessive, viz,:-\$300; add to it another \$300, or \$3 a head to cover cost of branding, etc., and you nave 2.700, the entire cost of however, gathering, total of \$2,700, the bunch. There are, however bound to be some losses and a fair average would be 5 per cent. per annum until they are fit for beef, or, say, for three years, which would account for is head and would leave 85 head as assets to be realized on, and these at \$43 a head, an average price as prices are will produce \$3,655, leaving a net profit of \$955 on the transaction, a little more than 14 per cent. Der annum on the money invested. Take

the same amount of camital and invest it in cows, and the results wili be, I think, a bigger balance at the end of a similar period. Of course, a bunch of cows would be more expensive to run than would a bunch, after the first year, dogie steers, but the final results would be correspondingly larger Twenty-one hundred dollars will cows and one good Shorthorn bull, figuring the cows at \$35 a head and the bull at \$100. A con servative percentage of increase on this hunch would be so per cent per annum and this would give a call crop for the first and second years combined of 57, exactly doubling the herd. The third year there would be, in addition to the calves of the original cows, those of the first batch of calves, now two-year-olds, and the following year the further addition of the old ows'second crop of calves, and allowing both of these to be equally divided as to sex, it would give the third and fourth years a total calf crop of 77, or, for the whole period, of 134, which, with the addition of the original cows would make the herd number 191 without counting the bull, 123 of them being she store and the balance, 67, steers. From these must be desteers. From these must be de-ducted a certain percentage for loss, call it the same as with the dogies, 5 per cent. per annum, and this would leave a bunch of 152 as the realizable assets, or, counting the bull, 153. These would be worth at least \$30 a head or a sum of \$4,590. Against this there is the original cost of \$2,100, and the cost of running which can be roughly estimated at \$3 a piece for the calves and \$3 per annum for the cows or a total of about \$925 making the total cost of the herd

\$,5,053 and leaving a net profit of \$,5,65 or very nearly 20 per cent, per annum on the investment. Of course, my theres are rough and in actual explicit enter the percentage of increase might quite easily be higher as might also the cost of running, but I think they give a very lair idea of the probable cost.

There are many phases of the ranching industry that are well to those unacdescribing worth quainted with them, but I have only been able in this short article to very briefly touch on a few of them. There is this to be said of the business in general that with the gradual disappearance of the open range, large herds will be unavoidably driven out of the business. Circumstances are forcing the rancher into more limited operations and more thorough methods. As the system of open ranging grows less universal so will the pe entage of increase undoubtedly forge ahead and the business, from a business point of view, will offer better investments. Thus the rancher, with his daily routine rapidly falling into touch with the prosaic conditions of to-day and partaking less and less of those "wild and woolley" ones which seemed so necessary a part of it so short a time ago, may practically be considered a part, and an important part, of industrial Canada

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Worthy of Praise

We are thoroughly pleased with The Farming World. The improvement you are making from time to time in each department is worthy of praise. The paper should be in every larmet's lamity.

H A Ghent, Greenville,



Cutting Wheat, Sturgeon River Settlement. About 12 miles north of Edmonton, N.W.T.



View of Edmonton from the East, showing River, Cattle Grazing, Etc.

The Peace River Country

Its Climate and Wheat Growing Possibilities. Grist Mills in the North

BY E. T. BISHOP, B.A., LL.B., Edmonton, N.W.F.

The country extending northwest from Edmonton to the Peace River has, during the past lew years been attracting a good deal of attention. For years it has been known to those who chose to inquire, that this wast region contained possibilities as a grain growing and ranching country that would at least rival any of the older and better known sections of the great North Ameriaan wheat belt.

The climatic conditions and qualitics of soil that produce the wheat known as No 1 hard of Manitoba are here even more in evidence. The longer day of the more northely latitude gives the grain that sunshine that is needed to bring it to its best development, and the air lacks that quality that in the more southerly regions produces rust in the grain. Wheat grown by the Rev. Mr. Brick at the Protestant Mission at Peace River Landing, a point nearly 250 miles northwest of Edmonton, was awarded first prize at the World's Fair at Chicago in 1893.

COMING FROM ALL OVER THE WORLD

Since the different railways have announced their intention of penetrating these regions the public generally has awakened to the fact that there must be some good reason for this desire to get there and



Roman Catholic Mission, Great Slave Lake.

to get there quickly. Nobody supposes that these companies are entering blindly into an experiment involving the outlay of so much money. And the inquiry about the country that the announcement of these plans has caused has resulted in the Edmonton District and the Peace River Country being advertised everywhere as one of the greatest grain regions in existence. The result is that already farmers from all over the world are coming into this country to secure desirable locations before the advent of the railroads and the consequent increase in the price of land

The country in question has hitherto failed to elicit any interest because the public generally, if it gave it a thought at all, was too strongly impressed with the idea that a country so far north could not be expected to have anything but Arctic winters. The fact is and it can be verified by reference to the regular reports of the Government weather bureaus, the Edmonton District is not so cold in winter or so warm in summer 85 is the Winnipeg district. And the Peace River Country is quite as mild in climate as Edmonton. This is due to the warm currents of air which come from the Pacific Ocean. and may be due, in part, to the range of mountains, a spur of the Rockies, which parallels the course of the Peace River on its northerly bank and no doubt protects the country in a great measure from the colder currents from the Arctic regions.

The main features of the Edmonton District are now too familiar to most readers to need mention here. The country between the

North Saskatchewan and the Peace River is settled as yet only in places. Therefore, to form an idea of its possibilities one must consider what has been done in an agricultural way in the different sections where it has been tried.

AT LESSER SLAVE LAKE

about 200 miles northwest of Edmonton, there is already a considerable settlement. Farming in all its branches is carried on. Vegetables are grown in abundance.

North of the Smoky and Red Deer Rivers and south of the western portion of the Peace River lies Prairie." This country is consid-ered especially adapted for ranching, and already considerable is done by those who have gone in there in the last few years. It is only recently that owing to the dying off of the Indian tribes who inhabited it, this district has become available for settlement. The growth of grass in the Grande Prairie is very luxuriant, greatly surpassing that of the plains of the south-east. The existence of numerous springs which never freeze the year round, because fed underground from glaciers, adds an ideal lactor for a ranching country. The snowfall is as light as in the Edmonton District and it is only necessary to make provision for an occasional snowstorm. Many settlers are even now moving up into the "Grande Prairie."

Immediately north of the "Grande Prairie" and running parallel to that section of the Prace River is a hitle range of hills. Between these hills and the river is the country that is most highly spoken of. It takes its name from a little river that runs through it and is known as the Spirit River Country. Dunvagen, a Hudson's Bay Post, is the principal settlement of the district. Wheat and other grains have been successfully raised here for years.

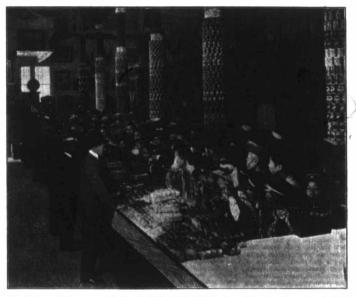
DOWN THE PEACE RIVER

in an easterly direction is Peace River Landing. Here, a steam grist mill has been installed to supply the needs of the settlers. Down the river from Peace River Landing, in a northerly direction for about 175 milles, is Fort Vermillion. The river is paralleled for this distance on its westerly bank by a range of mountains. Between this range and the river is a high plateau mostly clear but with occasional clumps of timber. The possibilities of this plateau, from a grain growing point of view, are

(Continue.1 on page 576)



Hudson Bay Post, Great Slave Lake.



Canada at Japan-Daily occurrence at the Canadian Building, Osaka Exhibition, Japan.-Disposing of the surplus stock of bread after the restaurants have been supplied.

Canada at Japan

The Osaka Exhibition-A Japanese Opinion of Canada's Display.

We have much pleasure in presenting to our readers some views illustrating the fine display made by Canada at the Osaka Exhibition. The following extracts from the Japanese were highly pleased with the exhibits from Canada:

" Canada, as a young and growing country whose resources are practically limitless and whose development is having more and more effect on the world's markets every year, and in fact every day, has wisely taking the fullest advantage of the Osaka Exhibition to bring her products to the notice of the Japanese, and of the foreign business houses which take part in the expansion of Japan's imports and trade. This being the first interna-tional exhibition Japan has ever had, it is above all an educative undertaking ; the Japanese are as vet in the learning stage in commerce and industries, and wonderfully apt pupils they are, so that whoever does most to instruct them in new ideas, new products, new lines of trade, new opportunities to buy the best goods in the best markets, will naturally profit most.

"The Canadian Government has promptly realized this important fact, and has spared no pains or expense to make the exhibit interesting; and the crowds of people thronging the Dominion Building every minute of the day prove that the effort has been triumphantly In the evening when successful. the bell rings for the public to clear out and the doors to close, there are still numbers of eager people who try to get in for another view, or another chance to purchase samples of Canadian products, and it is a daily struggle to get the place emptied some time after all the buildings are locked up for the night

¹⁰ The building is situated directly in front of the Fine Art Hall, at the entrance from it to the Grand Central Court of the exhibition. No better or more prominent Jocation could have been selected, and there is no handsomer edifice in the whole Hakurankai group. Canada has the largest and most varied of all the foreign exhibits, and, besides being so interesting in itself, it is arranged in a remarkably attractive and artistic way, combing cheasure with instruction, compactness with impressive effect.

WINS FIRST PRIZE

"The Japanese have admittedly as keen an artistic eye as any people in the world; and the exhibition commissioners unanimously awarded to the Canadian Exhibit the first prize for the most effective and best arranged display in the exhibition

"The principal object to claim attention on entering is the mammoth cold-storage case, which oc-cupies the centre of the building. Skilfully embowered amid festoons, wreaths and trophies of grain sheaves is a huge structure of glass, air-tight and cooled by refrigerating machinery, and enclosing tier upon tier of magnificent fruits, fresh as the day when plucked from the trees, in spite of having travelled so many thousands of miles, This is quite a revelation to the thousands of people of this warm climate, and all day long simple country-folk can be seen curiously handling the snow-cased cold air pipes and listening open-mouthed to the explanation given by the attendants. There are some thousands of beautiful apples, comprising 56 distinct varieties, besides cheese of many kinds, butter, hams and bacon, canned fish and meats, and other provisions, which Canada produces in immense guantities and exports to all parts of the world, having gained an enviable reputation for the excellent quality in-



Baking Apparatus, Canadian Pavilion, showing miser trough and electric motor The Superintendent and his Japanese assistants are at the work table.

variably characterizing Canadian products.

" But the feature which has first attracted the visitor's attention at the entrance to the building, as just mentioned, is not so much the contents of the big cold-storage case, as the structure itself, with its artistic external ornamentation. made up from the rich harvests of Canada's limitless grain fields. The huge case has been utilized as a stand for a mammoth collection of grains and grasses which are shown in almost endless variety. Around the sides of the case, over the grass shown some seventy panels are odd varieties of prairie grasses beautifully arranged in arches and circles. The top of the case has been turned into a miniature wheat field where upwards of three hundred varieties of grains, grasses and fodder plants are shown in many varied designs, artistically arranged. At either end of the case are two large stars, and in the centre, rising to a height of twenty-five feet, is an immense crown; these designs are hand-somely worked out in grains and grasses

"Canada is the most northern portion of the British Empire. The stars represent the bright future in atore for this young colony, and the crown is symbolic of her loyalty to the Mother Country. Altogether this is without doubt the largest and most attractive grain exhibit ever seen in this country.

THE MODEL BAKERY.

" Extending almost the whole length of the building is a solid wall, twelve feet high, of sacks of flour made from the famous No. 1 hard wheat which grows to such perfection in Western Canada. Only a few years ago wild buffalo ranged thousands over in countless prairies of Western Canada; to-day, this vast tract of fertile land known as the richest wheat field in the world. In connection with the flour exhibit is what the Japanese seem unanimously to consider the most interesting feature of the entire exhibition, namely, a model bakery where the famous hard

wheat flour is made into bread by means of the most modern make of machinery run by an electric motor The operations are conducted by an expert baker from Canada, superintending a staff of Japanese assistants who are anxious to learn the method of using machinery in bread making. The superiority of the Canadian hard wheat flour over all others is fully demonstrated by the fact that 65 pounds more bread of the first quality is produced from a barrel of this flour than can be obtained from an equal quantity of any other flour on the market This making of bread proves to be an object lesson of more than ordinary interest to the people. Every day at 4 p.m. the day's bake is sold at 5 sen (about 5 cents) per Ib., and to see the tremendous rush people crowding to get these de of lightfully light loaves of bread, such as is seldom tasted, one would think the rest of the exhibition counted for nothing.

TIMBER AND FULPWOOD.

"Turning from the flour exhibit we come upon a large display of doors and sashes made from British Columbia pine and cedar. A section of pine tree, 21 feet in cir-cumference, is placed on view and helps one to form an idea of the enormous size of this valuable timber. Pulpwood in the rough, and specimens of the pulp in the different stages through which it passes when being made into paper, etc., are shown, together with the fin ished product. such as paper and indurated ware (in the form of tubs, pails, etc.) Here, also, may be seen a large assortment of such woods as the oak, pine, maple, ash, cherry, butternut, beech. birch basswood, etc., beautifully polished, to show the grain of the wood. Timber has long been one of the staple articles of Canada's export trade and large revenues are de rived from this source. The ever increasing demand for wood pulp has given to Canada's spruce trees an increased value, and she is fortunate in having an almost inex-haustible supply to draw upon. British Columbia is thought to possess the greatest compact reserve

of timber in the world. This fact has become known to the timber merchants of other countries, and foreign buyers are turning their attention to this source of supply.

"Turning to the right of the cold-storage case, you catch sight of what appears to be the snowclad peaks of the Rocky Mountains, and passing along a little to be a very good reproduction of of these celebrated that portion mountains, where the Fraser River passes between the two peaks, and winds its way through the groves of the famous pine trees, which grow in such abundance and to such enormous height at the base and up the sides of these mountains The little pine trees growing here were brought all the way from Canada for the purpose of making this scene as realistic as possible to the spectator. At the base of the mountains, and beneath the pine trees, is a collection of minerals embedded in moss and scattered about, as if the elements had to:n them from the mountain's side and rolled them into view of the crowds of visitors who inspect them daily. Nature, in her distribution of riches, has dealt lavishly with Canada ; rich deposits of almost all the precious minerals ores and coal are found in all parts of this immense territory, which extends from the Atlantic Ocean on the East to the Pacific Ocean on the West, a distance of over 3,000 miles, and covering an area of 3,-456, (8) square miles.

A MODEL STEAMSHIP.

" Passing on beyond the Rockies, you catch a glimpse of water glistenug in the sun and as you approach you see a model of the steamslup ' Empress of Japan' steaming into port. This is a replica of one of the Canadian Pacihe Railway. Company's Royal Mail Steamships, which ply between the two continents. These steamers are ideals of comfort and life on board them is a pleasure to the traveling puble.

"Lack" of space prevents us from dweling upon a multitude of other attractive exhibits in this building, such as furniture, interior decorations in metal, bottlef fruits, wines, biscuits, rubber goods, rope, steel, wire nails and bolts, cooking utensils, wire netting, cereal foods, table salt, soups, canned goods, table salt, soups, canned goods, table salt, soups, canned goods, table salt, only end fruits, vegetables, meats and tish, condensed milk and cream, coffee and cocoa, bottled honey and maple syrup.

" Canada, with a population of less than six million people, carries on an enormous trade; her exports last year amounting in all to over 400,000,000 yens. Many of her products, such as flour, cheese, butter, fruits, canned goods, boots and shoes, rubber goods, lumber, furniture, etc., etc., should find ready sale in Japan, while, in return, Canada would no doubt take Japanese tea, rice, siRs, etc., in increasing quantities."



Picking Gravenstein Apples in orchard of Geo. Starr, Cornwallis, King's Co., N.S.

Fruit Culture in Nova Scotia

By RALPH S. EATON, Kentville, N.S.

To the Acadian land, on the shores of vinces encouraged some increased the Basin of Minas. Distant, sectude still, the little willage last century, and when the Eng.

of Grand Pri Lay in the fruitful valley, vast meadows

stretched to the eastward; West and south there were fields of flax, and orchards and cornfields."

-Long fellow's Evangeline.

The introduction of fruit culture in Nova Scotia is due to the French colonists who occupied, for about one hundred and fifty years. many of the most fertile parts of the valley extending from Annapo-lis to Grand Pre. This valley, now included ir the counties of King's and Annapolis, is known pretty well over the continent as the "Garden of Nova Scotia." When the immigrants from the New England colonies came to the province soon after the expulsion of these French Acadians in 1755, they lound the apple and pear trees still luxuriant "amid the ruin and desolation and abandoned homes and deserted gardens." These Anglo-Saxons brought with them new methods of culture, new and better varieties and the ambition for larger orchards. Many of the same trees then planted or grafted are still living and bearing fruit abundantly, although from 150 to 200 years old. The writer has a number of these trees and the varieties, such as Bishop Pippin, Calkin Pip pin and Willoughby suggest the pioneer fruit growers, whose names they bear, viz .: Bishop Inglis, Dr. Samuel Willoughby and Ahira Calkin. Three other names must be mentioned in the early history of orcharding :--Col. John Burbidge, who introduced the Nonpareil, Hon. Chas. Prescott, who imported the Ribston Pippin from England, and Dr. C. C. Hamilton, the founder and first president of the Nova Scotia Fruit Growers' Association.

The demand for apples in the local markets of the Maritime Proplanting during the first half of the last century, and when the English people saw the quality style of our fruit as shown at the Great International Exhibition at London in 1861, Nova Scotians began to realize that their markets were unlimited. It is recorded that the fruit "took the Londoners by This exhibition led to the storm." organization in 1863 of the Provin-Association just referred to cial which was modelled after the Royal Horticultural Society of London. To this organization more than to any other agency is due the further development of the fruit industry of the province. Some of the conspicuously associated names with this society in its early history and who have passed away are Robert Haliburton, Avard Avard Longley, Chas. Brown, Israel Long worth and Richard Starr. In its

later history the following аге some of the men who have been prominent for their interest and support shown the association -R. Starr, one of the leading pomologists in Canada, J. W. Bigelow, John E. S. Starr, P. Innis, Harding Parker, C. R. H. Starr, Dr. Henry Chipman, Col. Spurr, and S. C. Parker. It has been largely through the influence of this society that our splendid exhibits of fruit have been made at the large fairs at Philadelphia, Chicago, Edinburgh, Glasgow, London, Paris, and Berlin, when the province has invariably taken the highest awards in the different classes in which she exhibited

INCREASE IN ORCHARDING.

We have said that the F. G. A. was organized in 1863. In 1870 the first shipments to England began. In 1871 the orchard acreage was recorded as 13,614. In 1881 it was 21.624. To-day the acreage is between 80,000 and 100,000. recent years about two-thirds of our crop has been sent to England and has increased about as follows: In 1890-53,627 bbls.; in 1892-116,-725 bbls.; in 1894-254,410 bbls.; in 1896-409,733 bbls. It is claimed that in 1901-2 more apples were shipped from the port of Halifax to England than from any other port on the continent.

Nova Scotia is most unique in its fruit development. Fully one-half the quantity exported is grown in of King's, " on the the county shores of the Basin of Minas." This industry, started at Canard and Grand Pre by the Acadians at the same time as at Port Royal in Annapolis Co., was eclipsed for a time by the latter county, but it time by the latter county, but it is now growing double and in a few years will be treble that of Annapolis. The county of Hants, of which Windsor, the seat of of which windson, King's University, is the shire next. The counties of town, ranks next. The counties of Pictou, Queen's, Lunenburg and Yarmouth grow about enough for



Quarter mile row of Gravenstein apple trees in bloom with English Morello cherry trees low branched, growing eight feet from them, at Hillcrest.



Hillcrest Orchards, owned by Ralph S. Eaton. Plowing in mammota clover with a sulky gang plow.

home consumption. All the other counties, except some parts of Cumberland and Colchester, are capable of growing many times more than King's is growing today.

The writer submitted to the Government of Nova Scotia a few years ago a scheme for the planting of three model and experimental orchards in each county of the province. The idea was to have each small orchard planted at the expense of the Government and cared for by owners of the land under the regular supervision of a commissioner, for eight years, who would strive to secure the best possible results and who would 0.11 courage neighboring farmers to follow the example before them. In each orchard was to be a complete list of the most desirable varieties of the different fruits likely to succeed in the county. The scheme is being partially carried out

Fourteen years ago a few 20acre orchards were ventured. Some farmers have now 50 to 80 acres in fruit trees. Another year or two will see the 100-acre mark reached. The Maritime position ensures comparatively regular crops. The product of 2,000 bbls. from one orchard is now considered large. The number 3,000 will be reached in a very lew years. The orthodox system of planting has been 40 trees per acre. A more intensive system-the use of fillers to the total number, per acre of 80 by 160 and even 320, is being adopted by some who are aiming to get the maximum yield per acre.

VARIETIES OF APPLES GROWN.

For quality and productiveness the Gravenstein is the most popular. Prof. Craig, of Cornell, has said. "Nowhere in America has the Gravenstein the crispness and the rich aromatic flavors that are characteristic of the Nova Scotia grown specimen." Cermany is the home of the Gravenstein, but that country does not produce the quality of the Nova Scotia product. This variety and the King are very popular in the Boston and New York markets, and some years as high as 50,000 bbls, of these apples have been shipped to these cities in spite of a heavy duty.

The Baldwin would rank next to Gravenstein in productiveness. The flavor and size are below the Ontario or New York product. More trees of this variety have been planted during the last five years than of any other. In Annapolis county the Nonpareil has been most popular and given wonderful returns in spite of indifferent care. The Ribston and King are grown to perfection in Nova Scotia and always command high prices in the English market. The Blenheim Pippin, Northern Spy, Fallawater Ben Davis have their friends and and at present the Wagner is the most popular as a "filler."

CHERRIES.

When everyone is so fond of cherries it is astonishing that they are not more largely grown all over the continent. Nova Scotia shares with other countries in the scarcity. They can be grown in abundance anywhere in the province and with less care than other fruits. In Digby control and King's a few are grown for market. The sweet varieties grown most commonly are Black Tartarium, Gov, Wood, Yellow Spanish, Windsor, and Black Oxheart. O it he acid sorts, the Early Richmond, E. Morello, and Montmorency are favorites.

PLUMS.

The business of growing plums has required almost too much care and determination to be kept up xtensively by many. There has always been a sufficient number growing plums to keep the Nova Scotia market fairly well supplied until within five years some hust ling Ontario growers, like Mr F. D. Smith and Carpenter Bros. have, with their through express rates, been putting large quantities into Halifax and eastern towns tapped by the Canadian Express Co., and inducing Nova Scotians to conume larger quantities. The black knot is the great bugbear, and many plant with enthusiasm, hut either because of other farm interests predominating or lack of courage to lose a few plums in the summer from the affected branches. they get discouraged and cut the unsightly trees out just when they should be of greatest profit. At our Provincial Exhibition ome thirty to forty varieties of European sorts are usually shown, of which the most popular, perhaps, ate the Magnum Bonum, the Lombard, Bradshaw, Coe's Golden Drop and German Prune. During the last five years some Japan varie During the ties have been planted, the Abundance and Burbank being most popu-The Wickson will not succeed, lar because of winter killing of wood. The Red June has not proved itself The Chabot, Apple, Climax



^Dacking Gravenstain apples from an eleven year tree. Product, 3 bbls. Hillcrest Orchards

September 1, 1903

and Kelsey are being tried. The Burbank is the most popular. The writer has about 4,000 of the Japaus in his orchards.

PEARS

Of pears, the Bartlett and Clapp's Favorite seem most popular, tollowed by Beurre d'Anjon, Seckel, Lawrence and Howell. Some orthards of about 1,000 trees, of a part or all of these varieties, have been planted, anticipating the English market.

PEACHES.

Some of the nice varieties of peaches, such as the Crawfords, Early Rivers, Hynes' Surprise, Fitzgerald, and Elberta have been grown to a high degree of perfection in Nova Stotia. Many other varieties may do well, but peach culture has such a short history here that it is impossible to form good judgment on sorts. The writer has ripened in some seasons ten different varieties. In other seasons some of these varieties would be cut hefore maturity. The heat of summer which prevails in Michigan and New York gives them a greater variety, but the planting of peaches in a small commercial way has begun and there is no reason why this province should not grow all it can consume

Some luscious apricots have been grown in Nova Scotia, much superior in flavor to the Californian importation, but the fruiting is very uncertain though the trees may blossom regularly.

Quinces will grow in every county, the orange quince being the more common.

Cranberries have become quite an important export, Montreal being the principal market. Many parts of the province are particularly well suited for their culture.

* * *

With the Travelling Dairy in Nova Scotia The Lobster Crop-Cultivating Oysters.

By LAURA ROSE.

In my reading lately I came arross this idea, clothed slightly in different words - "God designed that men should be rich-how full of treasures is the earth-gold, silver, copper, iron, coal - the land lul of lertility, ready to be converted into golden grain, or luscious fruit-the sea possessing its peculiar store of wealth. It is the sin of idleness that makes men poor, and we all inherit, to a more or less degree, some lariness."

In Nova Scotia it does seem to me there should be very few really poor men, for, here, a man has such an opportunity to follow any particular line of work he may have a taste for. I have travelled in many provinces and countries and have never seen any that could for the extent of territory, compare with Nova Scotia for natural resources. The other day a Cumberland county man said to me. "We people down here get a living too casily. We fish for a while and then cut the hay off our land and sell the most of it, and in this way get some ready money without a great outlay of capital or time."

My work in connection with the Nova Scotia Government Travelling Dairy School has been in Colchester and Cumberland counties so lar this year, and taking them all through they have certainly been the best sections I have travelled over in the province. In many places the people are deeply interested in dairying, and are making a paying business of it.

Our meetings have been splendidly attended, and the questions asked show an intelligent interest in and understanding of our work. It does my heart good to have a few real up-to-date farmers at a meeting. They enthuse the others and make one put forth her best effort. I always feel it is those who already know considerable who are the most anxious to learn more,



Miss Rose in Dairy Costume.

and they will be the very first to put into practice any new ideas. But it was not about my work 1 was intending to write. I suppose I like it so well, and butter-making seems to have become so much a part of my life that I naturally drift to the subject.

A SPLASH IN THE SEA

It was of a few of the natural resources of Nova Scotia I was going to tell you. We have been the greater part of the time near the sea. Between esseions to-day, as I was splashing about in the salt water, and the stifl breeze made the power of resistance a keen delight. I said to my fellow-batter. "This is just what many are paying much money to enjoy and then they don't half appreciate it, while I sandwich it in between hard work and learn the truth that the greatest pleasure is getting from life by working hard and having only a limited amount of time for recreation." Nova Scotia is quite a summer resort, and we often run across people from the States and the West who have travelled here to enjoy the sea and escape the hot weather, for here, no matter how warm the day, in the shade there is usually a cool breze and the nights are delightfully comfortable for sheeping.

LOBSIER FISHING

is quite an industry along this shore, and every few miles you will find a lobster factory. I have watched t'e men lift the traps from the water and empty out the lob-sters into the boats. The traps are made of slats, something on the principle of a rat trap. There is a hole in one end into which is fastened a funnel-shaped piece of net. The lobster crawls over the trap, endeavoring to get at the old piece of herring that is hung in the centre of it. At last he finds the hole, crawls in, and! alas! his fate is sealed. They are taken to the factory, where they are weighed and the fishermen get \$2.50 per hun-dred weight for them. The lobsters are thrown alive into a tank of boiling water, for a short time, then dipped out, the shells cracked and the meat taken from the tail and claws. This is put into tins, and goes through the ordinary canning process.

There is a great deal of waste, but the shells and bodies of the lobaters are an excellent fertilizer when made into compost. In fact, men tell me there is nothing better, and the fields in the vicinity of a lobster factory usually bear witness to it.

THE OYSTER BEDS

At one place a gentleman—yes, I will be truthful—an old bachelor asked if I would care to see his oyster beds. This was something entirely new, so, after a hurried dinner he called for me, as we had to be on the shore at low tide, and be back in time for the afternoon ses-There is something fascinatsion ing about driving on a beach which an hour ago was several feet under I like to see the jelly fish, water. the shells, etc., which the receding waters have left behind. We drove for almost a mile along such a shore, dodging rocks and driftwood walking the horse over piles of storm-tossed eel grass and kelp, until at last we reached the point where the oyster beds were. Using a large stone as a tie post, we walked out on the flats in search of oysters. I had high rubbers on, but the soft mud made it impossible for me to go very far. My es-cort was properly fitted out with long boots, and he gathered most of the oysters, picking them up out of the shallow water.

I was told oysters spawn in July -the young ovsters are hardly



Why the Butter Doesn't Come.

noticeable by fall, so small are the shells. The next year they make considerable growth, built it is not until the third or fourth year that they are marketable. The cultivation of the beds means the gathering up of the small oxysters from the shallow flats and throwing them hinto deeper water to prevent them from being killed by severe winter weather. It was the close season, but the laws are not so stringent but what a few may be taken on special occasions.

The ovsters grown here are of extra good quality. They are gathered and barrelled in the shell and shipped to various points. I had them on the half-shell and also in a store, and although the people said they were not so fat or fine-flavored as when in season, still being freshly taken from the salt water, I thought them fine

The Peace River Country

(Continued from page 570)

not yet known. The soil, however, is considered very suitable for the purpose. Along the easterly bank the country is comparatively level. The soil is good with, however, short stretches here and there where the ground is rocky or too low for cultivation. At Port Vermillion, which is about 350 miles

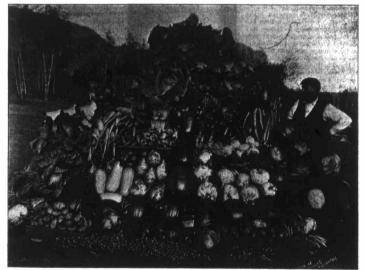
September 1, 1903.

from Edmonton, wheat and oats have been grown with great success for years. As far back as r886 a steam grist mill was established to grind the grain grown in the neighborhood. The place now has a fifty barter foller process mill. This is the most northerly point at which horses can be kept bor common use. They are used at Fort Resolution on the Great Slave Lake, about 200 miles northeast of Fort Vermillion, but do not last any length of time

AT FORT PROVIDENCE.

on the Mackenzie River, 150 miles still further north of Fort Vermiland ground into flour for local use These hasts go to show that Ed-monton, instead of being at the at the northerly extent of the wheat region, is really only in the middle. In the neighborhood of Lesser Slave Lake there are geological indications of oil. Nothing has vet been done to determine whether the oil is there in sufficient quantities for commercial purposes. Gold is found in all the rivers, including the Saskatchewan, the Peace River and all the rivers rising in the Rockies. This is taken as strong indication that later on gold will be found in large quantities in the hills and mountains to the west.

When the railroads which are coming into this part of the country have pushed on to the coast, and have thereby opened up communication with the markets in Eastern Canada and on the Pacific Coast and in the Far East, there of development that none but those intimately acquainted with the country had ever thought possible.



A collection of vegetables grown by D. Ross, Edmonton, N.W.T.



The Farm Home of Edmond Trudeau at St. Basile, Chambly County, Que. The French-Canadian Farmer in Quebec Agriculture Improving. Dairying Working a Revolution. The Greater Movement from Country to City.

By G. A. GIGAULT, EX.-M. P., Deputy Minister of Agriculture, Quebec.

The French Canadian larmer of the Provine of Quebes is rapidly improving his position, the last census proves that. In 1890 bie production of cheese and butter in this province did not reach \$,0000, 000, while, according to the last census, it had, in 1000, exceeded \$12,000,000, an increase of more than nine millions of dollarts. No other province makes a better showing. The establishment of farmers' clubs and the increased circulation of the fournal of Agriculture have largely contributed to that result. There is always a good attendance at farmers' institute meetings. The French-Canadian farmer likes to listen to speeches and puts to to practice many of the excellent suggestions made by the betters.

The French Canadian farmer has greatly improved his durview rethods as well as other agricultural industries in recent years. People who visited our province 15 years ago, and who yisit it no., admit that there is a wonderful change. Before dartying had developed, our farmers raised only grain and hay, thus decreasing the fertility of their farms, while now the fertility is

The French Canadian farmer of creasing, their live stock is becomthe Province of Quebec is rapidly ing better and more numerous; in are improving. As the soil is more fertile, we see good fields of wheat where some years ago it did not grow or grew very poorly.

⁶ The Prench-Canadian lariner genorally has a harge family—we often see around his table eight, ten or twelve hiddren. He has to work hard, but, being conomical, he generally succeeds Many of them i ace saving depo ited in banks. He lears indebtedness more than anything eise, which explains his slowness to adopt vertain expensive improvements suggested to him. It explains, also, the fact that the larim property is not so heavily mottgaged in the province of Quebec, as in some other regions.

The French-Canadian farmer has been greatly industrious. In most of the old homes in the past were to be found spinning wheels and weaving looms, and many of the good and durable clothes of the family were woven by the French-Canadian woman working hard all day and late at night. The bread of the family was also made at home and baked in an oven near the house. As prosperity increases, many of those looms and ovens are disappearing, some of the farmers being not as economi al as hereto-



Alphie Deboult and his eight sons. Can any other farmer in Canada show an equal number of bright intelligent lo-king boys 7 Mr. Deboult is a successful farmer at St. Vital de Lambton, Basuce Co. He makes 2000 lbs, of maple sugar every year.

almost every parish we now see registered stock, and their pastures



Barn and Staples of F. H. Desrochers at Warwick, Que.

fore. Manual training is, however, still given to our daughters at home at in many convents. At the Roberval Convent there is a school of Domestic Economy where are to be found spinning wheels, sintting machines, wearing looms, etc., worked by young pupils, who will be later soure of our best farmers' wives. Their magnificent dressess are dyed, worken, sewn and made by young girls, who are remaining laitfaul to the traditions of the past.

Every Sunday sees our farmers at -burch, most of them head a moral life and contribute largely to the reputation of our province as to morality. According to the last criminal statistics, Quebec is the province where the fewest crimes are committed in proportion to the population.

Our priests try to inculcuate into, and perpetuate in the minds of their parishioners the love of agriculture; they exercise a most bene ficial influence, but it must be admitted that the depopulation of rural districts to the profit of cities is beginning to be felt. Some farmers seem not to have the same energy, the same strength of character as heretofore, and the desire of enjoying life and of avoiding hard labor induces them to go and inhabit cities. We dread that depopulation, fearing it may have a bad moral effect upon the future destinies of this province.



A fine bit of Rural Quebec, showing Alain Quellitte's farm at St. Sylvere. Note the ferry the right of picture

Should Teach Setting Up Farm Machinery

How is it that in the Agricultural College at Guelph, an institution doing such good educational work, there is no department for teaching students how to set up and operate binders and other intricate farming machinery? Of course, it has not heretofore been in the interest of manufacturers of the machinery used by farmers that the farmers should know how to set up and fix their machinery. Their not knowing this enables the manufacturers to make more money out of them by keeping staff of men to do such work which the farmers should and could do for themselves if they were once taught. But now that the farmers of Canada are preparing, through the Farmers' Co-operative Harvesting Machine Co. to make their own machinery, it would surely be but fair, on the part of the Govern ment, that farmers' sons and every student at the Agricultural College should be taught this, one of the most important branches of farm-The writer has in mind seving. The writer has in mind sev-eral instances where new binders have been bought and the old ones te stap heap and consigned to afterwards purchased for a few dollars by a more skilful farmer along the line of repairing, and made to perform nearly as many years of servi e as it did for its previous owner.

I would like to hear the views of other farmers throughout the Dominion on this question, which seems to me to be of the most vital imated and taken are of should last very much longer than one not so well looked after. Farmers and their sons are quite as intelligent and capable of learning to set up and operate all kinds of farm machinery, if they had an opportunity to do so, as are those who are at present doing such work, employed y the manufacturers and paid by the farmers

S. M. Sanders. Huron Co., Ont

Advantages of Drainage

The advantages of underdraining may be summarized as follows

(1) Drainage deepens the soil and affords greater room for the rocts of plants.

(2) The drain, by taking away the free water that occupies the ores of the soil, allows air to pass through the soil.

(3) All sloping land, unless laid down to grass, is liable to great loss by the surface washing during the heavy rains in spring and fall if it is not properly drained.

(4) Drainage is very newsary for the proper pulverization of heavy soils. A wet soil can never be pulverized.

(5) Soils that are always wet, so that large amounts of water evaporate from their surfaces, never become warm, and hence should be drained.

Other advantages are : The longer the season of crop growth conse-quent on the earlier seeding of drained land ; the comparative freedom of fall wheat and clover from freezing out or winter killing ; the absence of open drains, which are a decided nuisance in the cultivation of the land and the harvesting of the crop; and, last of all, the reSeptember 1, 1903.

moval from the soil of those soluble salts formed by the decay of rock and organic matter, which cannot be used by plants and the presence of which in the soil causes the condition known as "alkali land.

SHEEP DIPS AND LOUSE KIL-ERS ARE NO LUNGER NEEDED

The principle of applying an exter-nal remedy for an internal trouble is not a principle at all, but a mistake.

An animal's internal organization gets completely out of shape because his food has not been the food that naturę intended him to have, macure intenden nim to nave, every-thing about him goes wrong and his whole system becomes a mass of im-parities. Then it is that conditions are right for the tick and the louse. It is their business to absorb im-purities and when conditions demand their presence they are there to do. their work. It is fitter nonsense to fight the parasite with external ap-plications. The parasite is here plications. The parasite is the effect not the cause. Remove the cause and the effect will disappear.

This is why no animal parasite can live where Herbageum is fed regular-

Herbageum makes the food as na ture intended it should be and it is then as easily digested as June grass, and we all know how a good June pasture affects the parasite. Proof of this is in the following

letters

'I have found Herbageum to "I have found Herbageum to be good for scratches. Its effect on the kidneys is good. It is a wonderful core for colic and cleans out lice. Besides this there is a saving of one-third of the grain and less hay is re-quired--George B. Worthington, Mor-rie, Max". Man

"Herbageum is a sure thing to clean

"Herbageum is a sure thing to clean out intestinal worms, bots and lice. It is first class for the blood and general condition of hores.-Thos. Elliott, Kirkton, Ont." "We have used Herbageum during about six years regularly for our show sheep, and we are sattified with the results. We have never been troubled with any disease, nor with ticks among our flock.-Smith Evans, Gourock. Ont." Gourock Ont

Mr. Evans is one of the foremost Oxford Down men in Canada, and has for years been one of the most successful exhibitors

cessful exhibitors. "I have used Herbageum for several years. Especially have I had good results in leeding it to lambs that were being fitted for exhibition pur-poses. Other lambs not getting it were frequently troubled with ticks, we have never found any trouble with ticks when sheep or lambs are fed Herbageum. I only feed a teaspoonful to sheep and rather less to lambs once a day. "Three sheep that I bought two

ears ago were fairly alive with icks. I put them with my other ticks. ticks. I put them with my other show sheep and gave them Herbageum, and when sheared, about the middle of March last year, they were per-fectly free from ticks, and they had fectly free from ticks, and they monosheep wash nor other remedy or preventive than Herbageum.-Yours sincerely, John Orr, Lakeside Farm, North Dumfries, County of Waterloo, Ont

Mr. Orr has been for some years Mr. Orr has been for some years a successful breeder and exhibitor, and has carried off first prizes at Toron-to, Chicago, Guelph, and elsewhere. He makes a specialty of Cotswold aheep, and usually has young stock for sale at moderate prices. September 1, 1903.



Covent Gausen as THE market in London tor truit and vegetables. It is here that the ascion able take place, the Floral Hall in which these are held lying to the right of our picture. The streets around the market are impassable in the early movining as they are filled with farm carits from the country, while all day and every day, consignments of foreign fruit are being carted to the market. Covent Garden, by the way there is no garden, is one of the sights of London.

British Markets and Prospects Disappointing Outlook. Crop Conditions in England (By our Regular Correspondent)

London, Eng., August 10th, 1903. Business prospects in this country are disappointing and depressing. On every side there come complaints of want of business and It is a peculiar lack of money. fact and yet a true one that the lower middle class, which is probably the backbone of the country has not been so short of cash for many years past. August is the great holiday month of the year, and this accounts possibly for bad business, for it is becoming increasingly popular for English people to take their holidays on the contin-ent, a fact which affects British trade in consequence of so much money being taken out of the coun-try. With September a better state of affairs is hoped for and better business, but I am afraid we are in for a bad season.

Now, for a word as regards farming prospects, in which my readers are interested more particularly. I have just returned from the great Yorkshire Show, which was held this year at Sheffield. Stocks and implements were both capital collections, and fully maintained the reputation of the northern counties in this respect. Our farmers have had a very trying season, the spring was wet and cold, while since then the weather has been of a most peculiar nature. In July there was an absolute drought of over 20 days accompanied by high temperatures, while at both ends of it the rain came down in such style as to contribute almost a record fall, while in June we had 60 hours consecutively of rain, an occurrence which is without parallel in the memory of present-day people

The grain crops look fairly well. Wheat will be quite an average crop, if we have good harvesting weather, but there will be very lit-

tle malting barley, as the back ward spring prevented level growth which is so important for grain suitable for brewers. Pota toes are greatly damaged, and from what I hear as well as seen, the crop is bound to be greatly below the average. There is one saving point, however, for there is plenty of hay, while the recent showers we have had have improved the look of turnips and swedes, hence there is likely to be plenty of stock food during the coming winter, a fact which makes lean beasts and sheep very dear to buy in.

NO ENGLISH FRUIT

The scarcity of English-grown truit is now being felt; it has taken some time for the people to fully realize that the English crop is bordering on a complete failure. In a general way people talk about the serious destruction of crops but consumers only get a real awakening when they are called upon to pay double the usual prices We shall this season be almost en tirely dependent upon other countries to give some idea as to how prices rule now as compared with what is usual at this time of the year. Usually, Lisbon apples bring from \$1.50 to \$2.50 per box; this week buyers have fought for them at \$3.50 to \$4 per box. It should in all fairness be said that Lisbon apples have been unusually good this season and the appearance of the fruit has much improved and looks as if the growers are making a study of the English requirements.

The supply of fruit of all sorts being so short ought to make Canadian apples in capital demand throughout the next winter, and 1 anticipate that prices will be on such a scale as to leave ample profit for the grower. Canadian apple growers should be prepared to take advantage of this movement, as profits are sure to be good.

BUITER

The butter market is in a very peculiar position and no two peo-ple seem to be agreed as to its crend in the lucure. Anyway, it is perjectly certain that buyers are holding back in the hope that after the holiday season prices will move in a downward direction. Personaily, I am of the opinion that prices will not go higher than they are at present, even it there is no at There is tual decline. pie..ty butter in Australia, while the outturn here is far in advance of the local demand, and the surplus will continue to arrive in increasing quantities. In the meanwhile the market continues quiet and prices do vary. Canaman creamery butter is not over plentiful and sales are readily effected at from \$21 to \$23 per 112 10. for salted and unsalted descriptions.

CHEESE

The market is very quiet and unchanged. New English cheese is coming forward in small supply and prices rule for the homemade product from 355,35 to 56,50 per 112 B. Canadian cheese, in spite of a total fall of 55 per 112 B. from the highest point this year, meets a poor trade and buye's cannot be induced to take more than is wanted for their actual wants at prices varying from 511 to 511.50per cwt. for patient waite and colored

BACON

There is a tolerably good de-mand in the market, but seaside places not being so full as usual ready money is not circulating here like it ought to be, hence business all round is not running so briskly as it ought to be. A healthy in-quiry has existed for Canadian bacon, which has been well met by importers, and rather large quanti-ties have been cleared off at only slight reductions. Rose," merchantal "Under the merchantable brands of Canadian have been invoiced at 13,90 to 14,65 for No. 1. The bacon market, as a whole, closes with a more hopeful feeling as to the immediate future through the steady demand which is prevailing, combined with the limited suppl offering. The firmness lately noticed is expected to return after the beginning of September and prices to advance.

MEAT PRICES

During the last month I have made a special effort to get some information as to how the prices for meat, beef and mutton are likely torgo during the present winter. There is a very general impression that we are not likely to see beef or mutton any cheaper than they are ..t present; in fact, there are people who believe that, like wheat, meat will never again touch the low level reached of recent vears. Prices, then, next winter are likely to be maintained. In this view 1 am supported by the fact that the price of store or lean animals is at present so big that there is likely to be much profit on the finished article at ruling rates. Hence there is every chance of improvement in values of home-fed meat in which Canadian produce is also likely to share.

*

Dairy Courses at Guelph

The Dairy courses at the Ontario Agricultural College, Guelph, for the coming term will be as follows: A creamery course for factory buttermakers only. December 1st to December 1oth, 1003; the dairy school course proper for factory cheese and buttermakers, farm dairy, for men and women, lectures, etc., January 4th to March 27th, 1903; course for dairy instructors, April 1st to 1oth, 1004; and a summer course for butter and cheesemakers, May 1st to September 30th, 1904.

The Dairy School at Guelph needs no special commendation from us. For many years it has been at the forefront in the matter of practical dairy education. Its graduates wherever found are givung a good account of themselves in promoting better dairving in all parts of the country. The school as better equipped now to do work than it ever was. Full particulars, also tuition, etc., may be had on application to either Dr. Mills or Prof. Dean. O. A. C., Guelph.

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BRANTFORD, CANADA=

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Windmill outfit exactly where it stood and de feated the windmill world. There were 21 American, British and Canadian manufacturer in the trial which extend ed for two months, and was the most thorough and severe which ever took place.

Trial held by Roya Agricultural Society in England.

We feel proud of our Canadian production. Don't you?

Do You Use Should

The best Fence on the market, designed to please the eye as well as the pocket book. In order to do this only the best grade of high carbon spring steel wire is used, not the common hard drawn wire such as is commonly used. Of course, this costs more, but we believe users of LAMB FENCE appreciate it, and that in the long run it will pay.

Lamb Fence is constructed along common sense lines, not too much strength in some parts and too little in others. For instance, we believe a No. 7 wire none too large for the top of a fence, and accordingly use one for all styles over 44 inches high, the breaking strain of which is over 3,200 pounds, or enou, hto sustain a large team of horses.

Ample provision for **contraction** and **expansion** is provided in a series of waves or reverse curves (not a sharp kink) throughout the entire length of every lateral wire.

The stay wire or upright in all regular styles is No. 11 in i.e. of a good grade of hard wire, all in one piece, not cut or wrapped at the joints. These heavy stays give plenty of support, making a fence that can be chinded anywhere without damage, if properly stretched.

Lamb Fence is made in a variety of styles, from 24 to 58 inches in height, with from 6 to 13 horizontal wires. Put up in 20, 30 and 40 rod rolls, ready to stretch on the posts.

We also sell ornamental lawn fence, gates, staples, plain and coiled wire.

If we have no representative in your vicinity, write us, or see us at either the Toronto or London Fairs, where **Lamb Fence** will be on exhibition. Yours very truly,

THE H. R. LAMB FENCE COMPANY, Limited = WINNIPEG, MAN. LONDON, ONT.

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September 1, 1903.



The Ontario Agricultural College-A view of the Barns, Stables and Carpenter Shop.

Agricultural College Work in Canada

The Growth of Higher Agriculture—Early Days at Guelph—Present Needs—Comprehensive Scheme—Some of the Graduates.

One does not need to go very far back in the history of Canadian agriculture to find the time when scientific or higher agriculture was looked upon with contempt and ridiculed by the majority of our farmers. To-day the fellow who sneers at the so-called scientific farmer is the exception. The reasons for this "right about face" within the past ten or twenty years are not far to seek. The more complicated problems confronting the Canadian farmer of to-day have compelled him to look beyond himself for a knowledge of how to solve them. The only one to whom he could go in his distress has been the student of higher agriculture, the person who has made a special business of studying these problems and has, by experiment and otherwise, made a solution of many of them possible. Then, the farmers' institute lecturer, the agricultural press and similar agencies have been such potent factors in bring-ing the work of the agricultural college and the experimental farms before the public that there are few farmers but are more or less familiar with the practical and scientific teachings of these institutions. To know their work has been to appreciate it, and to create a desire for more and wider information upon the many phases of agricultural practice and teaching. In this way the farmer of to-day has a different appreciation of the "scientific" side of agriculture from what his predecessor of ten or twenty vests ago had, and is seeking for knowledge, not only of how to do things, but why they should be done. Hence the increased demand for the training and experience that can only come from the agricultural college and similar institutions. This demand for a wider know-

This demand for a wider knowledge and deeper experience in Agriculture is not confined to Ontario alone. It has spread to the other provinces. Quebec has her model farm and schools for special training in agriculture. Nova Scotiahas decided to establish an agricultural college, and Manitoba is to tololow in her lootsteps very shortly. But of these we shall speak more definitely later on. Suffice it to say that this demand for a wider knowledge of scientific agriculture has been most marked in recent vears in every province in the Dominion and must be met in ore way or another by the different local governments.

THE ONTARIO AGRICULTURAL COLLEGE

The people of this province have met this demand by the establishment of the Ontario Agricultural College, an institution of less than thirty years' growth. And yet the influences that made the college possible had their beginning in the early days of the last century. On October 27th, 1792, the first agricultural society in Ontain was organized by Lt-Gov. Simoor. These societies multiplied very last and soon became a powerful influence in the country. In 1846 the Provincial Agricultural Association was formed, followed by the holding of a provincial fair. This association soon after passed into the form of a board or bureau with a secretary --Mr. George Buckland--who was accustomed to address the various local societies upon agricultural topiss. About this time the Board established an agricultural topis. About this time the Board established an agricultural course in connection with Toronto University, with Mr. Buckland as Professor of Agriculture. Between the years 185-rulture. Between the years (185-rulture. Between the years (185-rulture. Between the outpath of the germ of the Ontario Agricultural College.

Before Confederation the question of an agricultural college came up irequently in the old Parliament of Canada (1841-1867). But it was not until the separation of the Sandfield-Macdonald Government began, that any definite step was taken towards establishing an agricultural college. The Hon. John, now Sir John, Carling, who held the dual office of Commissioner of Public Works and of Agriculture in that government, appointed the late Rev. W. F. Clarke, known to many of the older readers of The 582

Farming World, to prepare a re-port on the scope and nature of an school suitable for agricultural Ontario. His report appeared in 1870, and with the subsequent report of 1873 had resulted in the purchase of the Mimico farm, the making of a few appointments and the beginning of plans for buildings, when the whole movement came a standstill by the defeat of the government at the elections held that year. The new government appointed a committee, of which the present Minister of Agriculture, the present Minister of Agriculture, the Hon. John Dryden, was a member. This committee reported that the Minico site was un-suitable, and that a new farm should be selected in one of the most successful grain and live stock sections. The present farm at Guelph, containing 550 acres of rolling land and a fine stone dwelling on a commanding site was the one chosen and for which the pur-chase money was \$74,500. Here began on May 1st, 1874, the first course of lectures at the college. with 26 students and a somewhat uncertain teaching staff. Be-

fore the summer was over there was trouble. The pioneer students went on strike because of the conduct and incapability of the head of the institution. The strike ended with the resignation of the ganization of the staff with Mr. Wm. Johnston as president, and the following prolessorial staff :--(Agriculture) Professor Wm. Brown; (Veterinary Science) Professor E. A. Grange; and (Chemistry) Dr Bapite.

DR. MILLS APPOINTED.

In 1879 President Johnresigned and was ston ceeded by Mr. James Mills, M.A., the principal of Brantford Collegiate the Collegiate Institute. Dr. Mills has occupied this important position for twenty-four years, and has seen the college grow through many and varying difficulties. As Mr. C. C. Minister of Agriculture, well says in an article on the college, published recently in the University of Toronto monthly -

"He has done more than see it grow, he has made it grow, for his life and the life of the institution he has served so well are inseparably interwoven."

Dr. Mills is still the vital and dominating force in the conduct of the college that he has always been and we may confidently look forward to a continuation of its progress and prosperity under his wise administration for many years to come. The following table, taken from the article by Mr. James, already relerred to, gives in concise form the various and progressive changes which the college has undergone since 1874:

Year Staff Students Remarks

 Year Stan Students
 1874 ? 26 College opened 1st May.
 1875 4 32 Wm. Johnston, B. A., appointed Principal.

THE FARMING WORLD

			-16
879	5	162	Jas. Mills, M.A., ap- pointed Principal.
887	8	110	Chemical Laboratory built.
888	8	131	First degrees B. S. A.
891	10	132	Convocation Hall and Gymnasium erected.
892	10	159	Botanical Laboratory crected.
893	12	246	Dairy School establish- ed.
894	14	290	Poultry Department es- tablished.
895	15	250	Experimental Bldg. and Bacteriological Lab- oratory erected.
896	16	237	New Chemical Labora- tory.
901	19	359	Biological and Physics Laboratory crected, Massey Hall and Library donated.
902	2.2	768	Live Stock courses started and Instruc- tion Pavilion erect- ed, and Macdonald Buildings begun

From the above table we learn that the total number of students in attendance for 1902 was 768. This increase is due very largely to the establishment in recent years of



Dr. James Mills,

short courses in dairying, domestic science, poultry management and live stock judging. But it is not all due to this. The attendance in the general course has steadily increased. being limited in recent years only by the accommodation. In 1902, 290 students took the general course. There has also been a very large increase in the number of students from Ontario taking the general course. The time was when the majority of the students were from outside of the province. chiefly from Great Britain. All this has changed and to-day the Ontario Agricultural College is an Ontario institution patronized by the sons of Ontario farmers, a striking testimony to the value and efficiency of the teaching imparted. The chief features of the college's work at the present time are the short courses of study.

September 1, 1903

These, more than anything else, the college has done in recent years, have brought it directly in touch with the farming community. While many farmers' sons cannot afford to take a two-year course there are but lew, who cannot afford to spend two or three weeks at some one of the various short courses. These short courses are not intended to detract from or take the place of the regular courses, and that they have not done so but rather have helped to increase the attendance in the regular classes, is well borne out by the experience of the past few years.

It is not our intention to give in detail the nature and scope of the training that awaits the farmer's son at Guelph. Suffice it to say that in the Ontario Agricultural College, this province has the best, all round equipped institution of its kind in the world. There are institutions in Europe and in the United States with certain branches developed beyond anything to be found at Guelph that are more widely known in special lines of

binds at Ouepa that at more work, but at Guelph the whole institution is equally advanced; every department is up to its requirements; no one man, no one branch stands out beyond the others to give it a one-sided reputation. Thus, the student may pass through the Ontario Agricultural College with a first-class general training in all the lines of agricultural science.

> This is the kind of training that counts for most with the practical everyday farmer. the visitor from outside Ontario, as numerous testimonials from Americans and European visitors during the past lew years show. The large attendance of students from foreign countries is also worthy of note. There are at present at the college seventeen students from the Argentine. The graduating class of 1903 numbered fifteen, composed as follows : Ten from

District on the second second

The college is now in the full sunshine of its prosperity and is doing a work of which Ontario may well feel proud. For many years it struggled for the recognition of its worth and the approval of its work. It is past that stage and to-day commands more, perhaps, than any other educational institution the confidence and good will of the people of Ontario. The gift of the Massey Hall and Library by the executors of the H. A. Massey estate, and the two lorge Macdonald buildings, now under construction, the wift of Sir Wm. C. Mac-donald, of Montreal, for the training of public school teachers in



A View of Massey Hall and the new Biological Building.

agriculture and nature study, and of farmers' daughters in domestic science, are striking tributes to the valuable work the college is doing, not only for Ontario, but for all Canada.

BUT WHAT OF THE FUTURE ?

Can the college with its present and prospective equipment continue to meet the needs of the province in the way of advanced agricultural training in the years to come ? The biological, library and Macdonald buildings will add greatly to its equipment and power for greater service. But larger equipment means an increase in running ex-The annual appropriation penses. for college maintainance has been about \$55,000. For 1903 the amount has been increased to \$115, 970, owing to the extra demand for maintainan e and equipment. As compared with similar institutions elsewhere this sum is very meagre. and considering the importance the work done is not enough. Dr. Mills has gathered around him an exceptionally faithful, energetic and able staff of professors and teach-But can he hold them on his ers. somewhat limited allowance for maintenance? Only the other day a deputation of influential farmers and breeders had to wait upon the Government in order to have the valuable services of Prof. Day re tained for the college. It should not be necessary to do this. The services of these men are just as valuable to Ontario as they are to any other country, and the college should have at its command a sufficient annual appropriation to retain all or any one of them if ne cessary. Besides, the teaching staff must, year by year, be increased as the college grows, all of which means greater annual outlay.

A COMPREHENSIVE SCHEME.

Agricultural college work is extending in the other provinces. Manitoba and Nova Scotia have decided upon colleges of their own.

and some of the other provinces will follow sooner or later. But be fore anything very definite is done might it not be well to consider some comprehensive scheme that would make Guelph the centre for the teaching of higher agriculture for the whole Dominion. Let the other provinces equip a college similar to what Nova Scotia is now doing, for giving instruction in a series of short courses in agriculture only Such institutions could be established on a good footing in each of the provinces and would do a class of work that would be of great value in building up the agriculture of the country. Then let the Ontario Agricultural College be made the Agricultural Univer sity, as it were, for the whole Dominion, to which students, having taken the shorter courses in their home institutions, could go. if they wished to pursue their studies further in the more advanced branches of higher agriculture In this way we would have all over Canada well equipped provincial colleges with their short courses reaching the masses of the people and a great agricultural institution at Guelph doing the more advanced work in agriculture for the whole Dominion. The short courses could be maintained at Guelph for the benefit of Ontario.

Of course. Ontario should not be expected to do this advanced work without some outside assistance The other provinces, which are just beginning to establish their own institutions, would hardly be in a position to grant this assistance. Where, then, could it come from ? From the Dominion Government. The Government at Ottawa not do anything that would advance the interests of agriculture better in the provinces than to make an annual grant of, say, \$25,than to 000, part of which should be de-voted to equalizing fees and travelling expenses of students from the other provinces, taking the full course at the Ontario Agricultural Increased accommoda-College. tion in the way of dormitories and equipment in some of the depart-ments would be needed, but the Ontario Government would be in a better position to do this if some substantial assistance for the maintenance were forthcoming from outside sources. The splendid gift of Sir Wm. C. Macdonald carries with The splendid gift of it the proviso that students in the nature study and domestic science classes shall be admitted from the other provinces on the same foot-ing as from Ontario. Through the generosity of the Dominion Government the same thing could be done for students in the regular agricultural classes. The scheme is worth trying and we would like to see some action taken in the matter.

THE COLLEGE GRADUATE.

So far we have made no reference to the college graduate, how he is equipped and what he is capable of doing alter completing his studies. No extended reference in this re-" By gard is, perhaps, necessary. their fruits ye shall know them. One of the criticisms of the college has been that so many of her graduates, instead of remaining in Canada, go to the United States, where they occupy important positions in agricultural colleges, etc. While there is some truth in this, the great mass of the graduates are to be found in Canada, the majority on farms, where they are reap-ing the benefit of the instruction They are too many received. in number to give, even in brief form,



A View of the College. The Chemical Laboratory to the me

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Nelson Monteith.

any account of what all are doing. We append, however, a lew brief notes of some of the graduates who are making a success of practical larm work in Canada. In selecting these we endeavored, as lar as possible, to choose those making a specialty of some one of the various branches of agriculture and have found the training at the college especially helpful

NELSON MONIEITH.

The college has no warmer friend and stauncher shampion than Mr. Neison Monteith, ol Perth county, Ont. Mr. Monteith speaks of what he knows. He attended the college during the fall term of 1888 and 1889, completing the third year in the spring terms in 1800. He spent the spring term in 1800. He spent to the degree of B.S.A. in 1890. His previous training had been obtained at the public school and at the London Commercial College. At Guelph he took the regular course, specializing in arboriculture, agriculture, and his stock.

The home farm on which Mr. Monteith resides contains 109 acres. He makes a specialty of live stock, poultry, bees, and fruit growing. Grain and roots are grown for feeding. Mr. Monteith built the first silo in Perth county. Now they can be counted by the hundreds. In all this work he has been most successful. He has also received many public offices, representing his own riding in the Legislature for a term. Mr. Monteith has found his col-

Mr. Monteith has found his college training of very great help to him in his farming operations. He says:

"Methods of neatness and accuracy, applied to every operation on the farm for years, have now become paying habits." These methods I was taught to observe at the Ontario Agricultural College."

Agricultural College. Mr. Monteith advises every young man who wishes to engage in farm-



T. H. Mason.





E. C. Drury.

ing in Canada to attend the agricultural college, if his wishes are backed up by a determination to succeed. He summarizes the advantages to be derived from such a course as follows:

1. A course at the Ontario Agricultural College puts a young farmer in touch with progressive agriculture and agriculturists almost the world

 He can digest scientific agricultural literature and give it practical application with more confidence.
 Agricultural literature is read

application with more confidence. 3. Agricultural literature is read with greater interest from having a knowledge of the writers.

4. Farming has a commercial side well worth studying, a fact that agricultural journals are alive to, but many farmers are not. "Say little and do much."

F C DRURY

Mr. E. C. Drury, Crown Hill, Ont., was admitted to the degree of B.S.A. just ten years after Mr. Monteith, or, in 1900, and it will be interesting to know how one fresh from the college appreciates its worth.

Mr. Drury entered the college in 1898, having previously passed the senior matriculation examination to Toronto University and spent two years on the farm. In his third year he made a specialty of chemistry and ubvist

Mr. Drury is looked upon as one of the beat young farmers in Simcoe county. He works the homestead farm of 200 acres and a 100acre pasture farm. He follows general farming, specializing a little in fattening beef cattle. In this work he has found his college training of decided value and strongly recommends young men, who wish to engage in farming in Canada, to take the college course.

He expresses his appreciation of the college as follows :

"I believe the Ontario Agricultural College is doing a very good work in educating practical farmers. I do



F. C. Esturd.



G. A. Brodie.

not think that the college course untits men in any way for the practical work of the farm. In my own case, speaking from experience, I can only say that I returned from college with a new interest, even in the commonist work of the farm."

G. A. BRODIE.

Among the college graduates of a decade ago none can show a better record for successful farm work than Mr. Geo. A. Brodie, Bethesda, Ont. He attended the Markham High School for one year, and the following two years was at home on the larm. But not content with the meagre knowledge of agriculture thus obtained Mr. Bradie decided to attend the Ontario Agricultural College, which he entered in 1887, completing the course as gold medalist in 1889. The same summer he wrote on the Agricultural and Arts examinations, open to all, and received a certificate and a prize of \$20. Returning to Guelph he completed the full course and was admitted to the B.S.A. degree in 1890.

Mr. Brodie's father's farm, which he now possesses, for two years was awarded the gold medal for the best farm and the best managed farm in group 6. It comprises 200 acres. On this farm Mr. Brodie has been specializing, with marked success, in Shorthorns, Clvdesdales, bred directly from imin Shorthorns, ported stock, and imported and Canadian bred Shropshires. He has also taken up hog feeding as a side line, each line being pushed specially to the front when trade is brisk. In these words Mr. Brodie gives his opinion of the college and the

instruction given there: "I find the course has helped me greatly as a matter of dollars and cents, much more when I consider the greater pleavures derived from farm life through a knowledge of the nature with which we are so closely connected. "The meanest flower that blows produces thoughts inexpres-



Elmer Lack.

September 1, 1903

September 1, 1903.



. Ine Farm Home of E. C. Drury, Crown Hill, Ont.

sible. Science and practice go hand in hand, and it is impossible to reach up to the highest attainments without a knowledge of both This may be secured by a life-long experience, with keen observation, on a farm, by years of careful reading and home study, or by a course at an agricultaral college. In the last case we commence life as well equipped as the middle aged home student, or by a life-long experience on the farm. Or farming as an occupation, I can not recommend a course at the Ontario Agricultural College too highly. A year in after life will pay the cost, and the pleasures derived therefrom cannot be estimated."

THOS. H. MASON.

Those who take the full two or three of four years' course, as 'required at present, form only a small proportion of the students attending the college. There are ten who take the two year regular course, to one who takes the full course. Consequently the associate graduate, though less heard of, perhaps, is of the greatest importance to the community. He forms the rank and file of the college men, many of whom are doing yeoman service for the cause of agriculture in Ontario.

One of the oldest graduates in this class is Mr. T. H. Mason, of Straffordville, Ont. He entered the college on May 1st, 1874, thus being one of the noble twenty-six, the first students to attend at Goulph. Mr. Mason was then in his seventeenth year. He was born and brought up in the village of Port Burwell, where he attended the common school, and was without any practical knowledge of attining. Only a general course in agriculture was given at the college and he did not have an opportunity to specialize, as is the case to-day. He left the college on September 1st, 1876, with first-class honors in all subjects and an associate diploma, no degree or medals being given at that time.

Mr. Mason is a prominent insti

tute worker, his specialty being dairying and hog raising, in which he has been most successful. He values the college course most highly. "I had no other training," is the way he puts it.

ELMER LICK.

Another of the associate graduates who has made a name for himself is Mr. Elmer Lick, of Oshawa. His college experience dates back to the terms of 1885-6 and 1886-7. Previously he had secured a nonprofessional and class teacher's certificate. He took general work at the college and left at the end of two years as second silver medalist.

Mr. Lick operates a 200-acre farm, his specialty being apples and milk. In this work he has found the college training of very great value. He strongly recommends young men to attend the Ontario Agricultural College, but advises them not to go when too young.

E. C. ELFORD.

A more recent student of the college, who has made a success of larming, is Mr. F. C. Ellord, Holmesville, Ont. Previous to entering the college in 1891 he had had three years' course at a collegiate institute. He left the college at the close of the spring term of 1892 and did not return until the college year of 1894-5. He took the gencral course, but was prevented from completing it owing to his eyesight failing.

Up to two years ago Mr. Elford farmed 160 acres. Since then he has been in charge of the Dominon Poultry Fattening Station 'at Holmesville, and has not been so actively engaged in general farming. Mr. Elford's specialties are Alfalfa, hogs, and poultry. He has made a thorough study of alfalfa, as adapted to Canada, and is looked upon as an authority on this important crop. The fact that he was selected to manage the Government Poultry Station is evid-ence that he is a specialist in that He, in a special way, has line. found the college training helpful in prosecuting these different lines, and strongly advises every young man who intends to farm to take the COULSE

J. W. W.

the Nova Scotia College of Agriculture

For several years there has been an agitation for an agricultural college for the Maritime Provinces. The plan most generally discussed was one to meet the needs of New Brunswick, Nova Scotia and Prince Edward 13 and. Though discussed fully in the public press and elsewhere, the scheme never came to anything, and is not likely to now, as the Nova Scotia Government has decided to establish an agricultural college for the farmers of that province.

The Nova Scotia college will be located at Truro, and as may be seen from the sketch on the next page, will be a rather imposing structure. It will be at two-storey building of classic style of architecture, with basement, and will cost about \$28,000. It will have a frontage of 96 feet and a depth of 55 feet and will be equipped with all modern conveniences for a building of this kind. It will be ready for occupation on December 20th next, and will occupy a commanding position on a piece of Governrenment farm. Truro was selected



Kesidence of G. A. Brodie, Bethesda, Ont. The trees to the left of driveway are Norway spruce and the hedge to the right hosey locust. The latter was not trimmed when the photo was taken.

September I, 1903.

Alma College



View of Dominion Poultry Fattening Station, Holmsville, Ont., in charge of F. C. Elford.

as being the most central point in the province. It is also the location of the Provincial Normal School and the School of Science, which institutions can be made of assistance to the college, as can also the Provincial farm.

Of greater importance, perhaps, than either the building or location, is the kind of training to be given. Upon the advice of so good an authority as Professor Robertson, the Nova Scotia authorities will make short courses, of practical value to every farmer, a special feature of the new college. The following paragraph from an address given by Prof. Robertson before the members of the Nova Scotia Assembly on March 4th last outlines, to some extent, the nature of the work to be carried on :

bix departments could carry on the work of a college that would be a credit to this province. These de-partments would be in part: A depart-ment of Account of Account "Six departments could car ment of Agriculture and Live Stock That stands first in my judgment be cause it is the most important interest of the rural people. A de-partment of Agricultural Chemistry partment of Agricultural chemistry and Physics. A department of Eng-lish and Mathematics. A department of Institutes, Illustration and Re-search work and Parming. Re-search work and Parming. Re-search work and Hartation work is very valuable and should not be dropped, but that should not control the character of a college of Agriculture which does its class-room work when the farm is frozen up. The boys when the farm is frozen up. The boy and men can be spared to go to col lege when they cannot work on the A farm is not a necessary part farm. of a college. You could begin here in a very modest way, and the modest way means first of all, with efficiency

The courses will thus be of a kind best suited to the needs of the larmers of Nova Scotia. Men of larmers of Nova Scotia. ability and reputation will be engaged to lecture from time to time and in this way the young man who will be unable to leave the farm for more than a few weeks at a time will have as much advan tage as the regular students. It is not the intention, at the start, at least, to make the courses, even for the regular students, very long The courses will be free to all, and it is expected that they will begin early in 1904. It will take some time, even after the building is completed, to get under way. Care will be exercised in selecting a principal and his assistants, the aim being to get only competent men well fitted for the work

With proper equipment and a competent staff, the Nova Scotia College of Agriculture has a bright future before it. Eastern.

Eastern Ontario Fair Circuit

The schedule of dates arranged for fairs in Eastern Ontario is made public, and is as follows — Winchester, September 2nd and yrd, Russell, September 8th, Newington, Sept. 8th and yth Alexandria, Sept yth and 10th Yankleek Hill, Sept 10th, 11th and 12th. Ottawa, Sept. 11th to 19th; Brockville, Sept 10th, 10th and 17th; Perth, Sept. 16th, 17th and 18th; I. Lansdowne, Sept. 21st and 22nd; Almonte, Sept. 21st and 22nd; Al-Renfrew, Sept. 21st and 24th; Metcalle, Sept. 24th and 32th; Richmond, Sept. 28th, 39th and 30th; Beachbury October 1st and 2nd





at Home.

Also Courses in : Household Science Commercial Work Library Science High School - tudirs Industrial Chemistr Elicoticity. - etc., etc.

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Home circles of amusement are the best and circles of anusement are in. There everything is under easy consafest. trol without the scening of control. The home where play spells are encouraged, where home uncer pay spens are encouraged, where kind words are spoken - the home of singing and games, where pure fun and the keen reparter and the hearty laugh are encourag-ed to meeten dull cure and give rest to the tired hearts, is the best kind of moral force with which to fight the saloons, the dram shops and the thousand other evils of social life.

Harvest Good Cheer

The harvest-moon shines full and clear, The harvest time is near.

Be of good cheer

Not wearied though the work be

wearisome, Nor fainting though the time be al-

most past. -Christina Rossetti.

. Saying Things

BY JOHN C KINLEY



HAT sort of insane folly is it that possesses some of us at times and makes us save all our odds and ends of every description under the delusion that

they will "come handy" some time? They never do "come handy," but we

They never do "come fands," but we cling to them with great tenacity in-stead of having the goodness to be-stow them on the ashman as his rightful prerogatives. My wile and I have well developed economical tendencies, and we pride control on never wasting a thing out whether the state of "come handy" at any time in the dim fa-ture. cnat may handy' ture

I have read of men of wealth who traced the beginning of their riches back to the time when they carefully saved pieces of twine, never cutting it from a bundle, but carefully unity-ing it and laying it away for future use, until they must have had a bar-rel or two of old twine lying around some place. Once I read of a million-airs who set his fellowmen an extraced the beginning of their riches some place. Once I read of a minion-aire who set his fellowmen an ex-ample of thrift by getting out of his carriage and picking up a rusty nail he saw by the roadside, and I emu-lated his example until I had about forty pounds of old, rusty, bent and broken nails lying around; and about once in six months I used a pound or them in trying to find ones two two of them in trying to find one that I could drive into a board without bending or braking. At last I sold the lot of old iron and got ten cents for them. Then I began to re-form. The other day I began reform-

ing my wife. I was cleaning out the accumulation of years in a closet in the basement and piling most of its contents up for the ash-man when my wife came down stairs.

"There are some things in that clos-et I want saved," she said. "Thev'll come handy some time." But I re-solved to be firm. They'll

"You don't want this?" I said, holding up an old tea-kettle without any spout and with six big holes in the bottom of it.

"Well, it might come handy for something some day." I tossed it into the ash-barrel and

held up a pair of very old boots dis carded four years ago and now greep with mold.

'No use in saving these, is there?'

"No use in saving I asked. "Well, I don't know. A little piece of leather often comes handy in a comes handy in a house for a hinge or something

I called to mind a pair of leather hinges I once made, and the boots followed the tea-kettle.

"What do you want this rusty old

hoop-skirt for?

hoop-skirt for?" "Oh, a piece of hoopskirt wire often comes in useful in a house." "It hasn't been asked for in this house since it was built," I said. "Here's an old hat of mine that's been lying around nine years. Better throw it away, hadn't 1?"

throw it away, hadn't {?'' "Well, perhaps so. I've often thought of giving it to some poor man, but I forget it every time a tramp comes around. I gave it to one tramp, and he went off and left it on the front gate post." "Showed his good sense," I said. "Do you want all these old broken dishes?"

dishes?

disness?" "Yes. I'll have them all mended some day. I've intended having it done for five years." When her back was turned they went into the ashbarrel

No use in saving these old bottles, eh?

Well, a bottle's a handy thing to have around. Better save them." "My dear," I said, "here are at

least seventy five old bottles, and to least seventy-five old bottles, and to my certain knowledge we don't use one a year, and I think we can trust our great great-great great-grandbottles; so hildren to get their own here they go.

here they go." In the same daring, reckless way I threw away three old brushes, old bonnets, breeches, lamps, skillets, hair combings, shoes, sawdust, tin pans, old papers, pop-corn, wormy walnuts, woar-grease, broken lamps, walnuts, soap-grease, broken lamps, spoutless tea-pots, bottomless coffee-pots, cracked kettles, and ten thous-and other articles that had years and

years waited their turn to "come handy," but which never would could "come handy" in this worl in this world

The King's Larder

The amount of food consumed in The amount of tood consumed in the Roval household is truly prodigi-ous The larders, cellars, and dairies cover an area of nearly a quarter of an acre. At all the King's residences except Buckingham Palace the bread except buckingham ranace die oreau is produced in the Royal Bakeries, and when the King and his suite are staving at Windsor an average of nearly two sacks of flour a day is converted into bread by the five bak-ers in the household. There are six ers in the household. There are six bakings a week, and as the loaves leave the oven they are stored in the underground pantries. A great deal of cake and confectionery is also made daily, but the King shows a prefer-ence for a light seedcake which is despatched every day, from a small shop in the Highlands.

It is somewhat surprising to learn that approximately a ton of meat is consumed every week at Windsor, a good deal of which comes from the King's farm at Sandringham. So varied is the meat supply that His Majesty could, if he wished, be served So be served Majesty could, if he wished, be served with almost any joint he desired at an hour's notice, though it is very rarely he selects anything not found in the menu which has been prepared in the kitchen.

Sardingham also supplies the Ro Sardingham also supplies the koyai dairies with a large amount of butter and eves. The butter is sent in quar-ter-pound pats⁴ stamped with the crown Eighteen gallons of new milk alone are consumed at Windsor every day, besides an equal proportion of cream.

A daily supply of fish is received all the year round, and twice a week during the season some splendid salmon are sent from the King's fish-ings on the Dee. Scotland is also responsible for the marmalade, which is never omitted from King Edward's breakfast table .- London Tit-Bits.

The Sweetest Music



OU may talk about your singing, and I won't dispute a thing. But O, to hear the music that my mother used to sing! The singing that was paid for, she never even heard. But her voice rang out as freely as the singing of a bird.

When I was tired and sleepy, she'd wash me, clean and sweet, when I was three and skepy, she u wash mit, there is an sweet And hur me tight, and wrap my gown around my little leet. And rock and rock, and with her voice that old house used to ring. Till sleep, like balm, descended, while I heard my mother sing.

I believe the sweetest music we shall hear around the throng I believe the sweetest music we small near alround the throne Will come from just such humble souls, hardworking and unknown. They could sing a hymn in meeting and sing a child to sleep, And all the extra music in their hearts they had to keep. They sang the songs the old folks loved, as evening shades came down. Sweeter than all the operasy ou advertise in town.

You may talk about your singers, and I won't dispute a word, But my mother same the sweetest songs my ears have ever heard. And,I believe, when all we long for freely shall be given, I'll hear my mother's songs again. She's singing now, in heaven -Mirs. McYean-Adams, in Union Signal.



"A Village Street with its uneven Houses."

The Homes of the French Canadians BY ANNIE L. JACK

dwelling of the French HE. Canadian in rural districts may not be built on lines of architectural beauty or modern style, but it has an air of comfort and neatwhile its very simplicity is tive. A village street with a, incongruous houses, and ness attractive. A village street with uneven, incongruous houses, and generally with fine old trees shading generative with time oid trees snaung the rough sidewalk, has an inviting aspect to the traveller before he reaches the restful hotel, where a well-scrubbed table will hold a substantial, cleanly and generally well-cooked dinner

The habitant's home is a marvel of tidy thrift, for every year and sometidv thrift, for every year and some-times twize a year, the outside is is whitewashed or painted; and the dooryard is swept with a besom of branches out to the yery street, when occasion seems to require it. Indoors, the artistic element is not wanting, for the walls are decorated with or angels, a crucify appresents saints or angels, a crucify appresent buttor roome or angels, a cucifix is placed in some conspicious place in the living room, and pictures of the Madonna and Christ child are generally in evidence In the bedrooms are high post bed-steads, sometimes requiring a stool to room the their facthered head work. mount to their feathered beds, while the patchwork quilts show patient and often skilled workmanship.

The garden of the habitant model of neatness, with trim h model of neatness, with trim beds of onions, carrots and beets, tall red or onions, carrots and beets, tail act or yellow dahlias in stately autumn beauty, and the fragrance of mignon-beauty, and the sweet peas. Often beauty, and the fragrance of mignon-ette and pink sweet peas. Often morning giories shade the wooden porch, and the pink hydrangea is found at many a doorstep. If there is room-it may be close to the fence perhaps-a Fameuse apple tree will be growing, and a blue Damson plaum tree of the old type, that we claim to have been brought from England by our forefathers, but found all through this French province. Jean Bantise this French province. Jean Baptiste will have his plot of tobacco, too, for Jean Baptiste it is a harvest quite as important to him as the potatoes and corn.

The women are faithful word, and the garden : they sow the seed, and harvesting. They do the weeding and harvesting. are also the family weavers and at-tend to the sheep shearing. In many tend to the sheep shearing. In many country parts the loom is still in working order, and the housewife prefers her skirt of homespun for everyday wear It is made straight and round, with no trammeling suggestion

of gores. But when Sunday takes her to mass with her daughters, the ma-terial worn is the product of the modern loom and often sweeps the church aisles, while the hats much bedecked, have glimpses of the super-ior taste of the Frenchwoman.

If there is one domestic virtue in which these neighbors excel, it is that of cleaniness, for the women are ar-tistes of the scrubbing brush Not only the living rooms, with their strips of gay colored rag carpet stretched across the floor, but the outside steps and wooden pathway testify to their handiwork. Everytestify to their handiwork. Every-thing is subjected to the influence of homemade soft soap, and though its effect is to give a worn look to some articles of furniture, it is a sure microbe killer. Let the housewill have an inkling that guests are to visit her, or that a fet is near, and the house is an one subjected to a general scrubbing that leaves every board sweet-smelling and vellow. The shining stove is taxed to the utmost in preparation, wonderful tarts are concocted of summer made jam, the savory smell of stewed chicken is in evidence, and crullers that resemble the New England doughnut and are every bit as toothsome

The children gather large quantities of wild fruits in their season-strawberries, raspberries and blueberries, while the fruit of the wild grape is eagerly sought for, to be used as eagerly sought for, to be used as a cordial. Apples are used in many curious ways, and one of the winter delicacies consists of frozen apples, pared, and boiled into thick sauce. It pared, and bolied into thick sauce. It is said that this process sweetens them and gives a peculiar flavor that is much relished. On festive occasions is much relished. On festive occasions apples are used dipped, after boiling to the cracking point, in a frosting of various colors. This makes a striking conterpiece for the table, as may be unagined.

In the matter of food the table of the habitant is not much different from that of his neighbor from the old country-with a more frequent old country—with a more frequent use of fish, salted and packed away for winter use, by those living by lake or river side and we know what Dr. Drummond says of their small hotels

Madame Charette, wat kep de place,

get very much exite see de many pork an' bean Ba-teese put out of sight,

terese put out of signt, De pain dore-potato pie, an' oder ting be dere, But w'en Bateses is get heem troo, dey go-I don't know w'ere.''

But pea soup, well made and savory, is the dinner upon which house mother depends as a standby, to fill up the stomachs of a hungry brood and a stalward husband. A pot of bouillon made of milk and flour of bouillon made of milk and hour thickened to porridge, and thick slices of bread and molasses, forms the principal supper of the crowd of hap-py youngsters. For that they are happy is written on their faces, and with their clders there is a **native** buovancy or faith in the future and carelessness as to what it may contain

The habitant glories in his large family. It is not at all uncommon to be the eighteenth or twentieth child, and I know one family that count their original number as twenty-six, part of them by a second marriage. The old time premium of four hundred francs, that was awarded to the par-ents of twelve living children, has been superseded by a Government grant of land that is often claimed by



A Corner of a French Canadian Kitchen.

AND CANADIAN FARM AND HOME

September 1, 1903

a father who can answer to that number, and is handed over to the eldest son With this setting out, if he marries, the parents provide a mattress, feather bed, chairs and table, a cow and a pig. The bride is expected to have her blankets and quilts, while the bridegroom supplies he other necessities that go to make up housekeeping. A wedding is one of the marvels of

this modern Arcadia, and its sim-plicity, its joyousness and optimism are an object lesson. The ride to church in small buggies, owned borrowed for the occasion, the gather-ing of the clans at the homes of the groom and the bride, has the graci ousness of true hospitality to all who who are invited. The feast is of turkeys and and geese, pies and cakes, in over-whelming profusion, and as every-thing is placed in sight the tables thing is placed in sight the tables must be staunch and strong to stand the weight. Singing and dancing bid dull care begone and the old-fashioned dances still hold sway.

But if there is one ambition in these families it is that some of the sons should be trained to the priesthood, and it is not unusual to see three or four in one family follow the sacred calling. Some of the girls be-come nuns, but oftener marry very oung. They are neat and adaptable, and need only a course in domestic science to make them valuable helps to the modern housekeeper. In a very poor family of my acquaintance in which there are nine small children -six of them girls-it is the ambition of the mother to have them all school teachers. The father, however, school teachers. The latter, nowever, sits beside the stove, wearing a red woollen tuque, and smokes his home-grown tobacco in contentment, leav-ing the future to "le bon Dieu," who never fails to reward their unbounded confidence.

Modern methods have crept into the country homes of these children of the soil, and the advent of the baker on his semi-weekly trips has done on his semi-weekly trips has done away with the need for the old-fashioned outdoor oven, once a land-mark in the rural districts. Here and there. during a drive of twenty miles, one may be seen along the roadside, but we are not greeted with the old time smell of sweet, warm cooked time smell of sweet, warm cooked bread that was once so familiar and

bread that was once so familiar and appetizing. Nowhere is a heartier hospitality dispensed than among our compatri-ofs. Happening to be overtaken by a storm one hot July noon. I took re-inge in the nearest house. The pool-house will bold the nearest house in the model house will bold the near at the middaw fused to join them at the midday meal, and when at last I consented, excellent potatoes, and about a quar-ter of a pound of boiled fat pork. All were eating heartily, though the thermometer was eighty-five degrees and I felt it a reproach to be unable at the the meat, smiling to myself at the thought that had it been smaller, and less greasy. I might at the thought that had it been smaller, and less greaxy. I might have smuggled it up my sleeve as I did, when a child at boarding school, the crusts that were dry and hurt my teeth. There was well-cooked cab-bage chopped fine and seasoned with pepper and salt, and good bread and butter: bot the corn puzzled me o be was not cameel, and it with a reliate fresh, and as I ate it with a relish, cut from the cob and boiled in milk, asked my hostess the secret. She gave a laugh of real merriment at this compliment to her cultary art, and told me it was the yellow corn from the field. "Out, Madame," she said in a sweet, mellow voice. with from the field. "Out, machane," she said in a sweet, mellow voice, with her broken English, "we takes it in 1_{90} —you call dat—ashes from wood with water; after it come clear put in the corn, and leave it all nightmay be next day too-then the skin come off, and you wash good an cook." I asked for a second helping, 50 and atoned for my non-apprecia tion of the "unclean animal.

In answer to my question, she told were delightful that the winters We have much pleasure,' she said. for it is cold, and to save wood my sis-ter and her husband and three ildren come here for when I asked if the cellar like dat

peared as if by magic, after the fish, peared as if by magic, after the lish, and then there was a liberal amount of Japan tea, with a homemade gin-ger beer that had in it less than three per cent of alcohol but more ger beer that had in it less than three per cent of alcohol but more than that amount of ginger. The county fair held in September

each year is a fine opportunity for e French Canadian housewife to the show her superiority in household arts, and much friendly rivalry exists among them in their efforts to outdo one another



"The Women Attend to the Sheep-shearing."

was equal to the added drain on its resources, she haughed. "O out, plenty, plenty-she bring the patates, le citronille, le ognon, plenty tingsle citronille, ie og in summer we get make good times. In summer we get plenty fish, put it in salt, two, three plenty com barrels for cat in winter Plent like this, and flour and barley my questioning look, she explained that barley flour, with a little soda and buttermilk, was very good for pancakes and biscuits "My grandmere when she have no soda, take the water off some wood ashes, for make cakes light, light."

A little later in the season I met my hospitable friends again at political picnic and found "my sis-ter" doing a share of the catering that brought out some wonderful examples of culinary skill. The tables were set in a field under trees that The tables were over a hundred years old, and seven sturgeon, with a number of masculonge, were cooked in large iron kettles that did duty in the spring to boil maple sap and in summer make the thrifty soft soap that is necessity in every well-regulated household. Over two hundred pounds of fish was cooked and eaten that day-and none of it wasted, said "my sis-ter.

We tried to get the recipe for the its seemed to be pork and pork, but it seemed to be pork and flour, fish and water, the chief point being the seasoning of onions and spices, and potatoes cut up to the size of dice, and potatoes with a dash of garlic and cayenne. It was to be eaten hot, and the crowd who were dancing in the sun, some of them in dresses of fiery red, sat down to partake of this dish with evident gusto. The thermometer was up in gusto. The thermometer was up in the nineties, for it was one of the hottest summer days, and made one long for cool water and ices, but the pies that were fluted and ornamented and frosted with great skill, disap-

Industrious and thrifty, with faculty for making the best of life, without question, faithful in all domestic relations, and a true patriot home and native land, the habita me and native land, the habitant a good neighbor, willing to lend a nd in time of need, full of ready sympathy in distress, and living simple homely life that does the d of the present, without fear for the duty fear for the juture in this world or the next

. Not Work, but Worry

It is not the work, but the worry, That wrinkles the smooth, fair face, That blends gray hairs with the dusky,

And robs the form of its grace That dims the lustre and sparkle Of eyes that were once so bright ; But now are heavy and troubled.

With a weary, despondent light. It is not the work, but the worry,

That drives all sleep away, As we toss and turn and wonder About the cares of the day.

Do we think of the hands' hard labor

Or the steps of the tired feet? Ah! no, but we plan and ponder How to make both ends meet.

It is not the work, but the worry,

That makes us sober and sad,

That makes us narrow and sordid, When we should be cherry and glad There's a shadow before the sunlight,

And even a cloud in the blue, The scent of the roses is tainted

The notes of the song are untrue It is not the work, but the worry, That makes the world grow old,

That numbers the years of its children Ere half their story is told ;

That weakens their faith in heaven And the wisdom of God's great

plan, Ahl 'tis not the work, but the worry That breaks the heart of men

How Rose Clifford Changed Her Mind

BY HILDA RICHMOND

T would be foolishness for you to give up your career in the city, Robert, and bury your-selt on a farm," said Miss Chiford to her betrothed, "Your father was perhaps de-limous when he exacted the

promise from you to stay with your mother as long as she lived. I have no doubt that you can find some mother as long as she lived. I have no doubt that you can find some young man and his wile to move in and keep house lor her who can do more than you toward making her comfortable and happy. You owe it to yoursell to stay where you are doing so well." doing so well

'Is it possible, Rose, that you are "is it possible, Rose, that you are advising me to break my promise to my dving lather? My mother expects me to take care of her and live with her the rest of her life as much as she expects to meet my father again. she expects to meet my latouer again. She is preparing to give you a warm welcome, too, and wanted me to coax you to have the wedding at once so I can take you back with me. Do you think you like that plan?" "I don't think I like any plan that

"I don't think I like ally plan that keeps you in the country." pouted pretty Rose. "I never will live on a farm even with you." "Be careful, Rose." said Robert Vincent gravely. "Do you realize

farm even with you. "Be careful, Rose," said Robert Vincent gravely. "Do you realize what you are saying?" "I realize it perfectly. If your mo

ther is more to you than I am and if her wishes weigh more with you than ner wisnes weign more with you than mine, you may consider our engage-ment ended. You always said we would live in the city and I believed you. My friends are all here, and I you. My firends are all here, and I will not leave them to go among a lot of rough, uncultured farmers. I would advise you to marry some girl who enjoys milking and feeding the pigs, for those things are not in

Without a word Robert Vincent went out of the room, and Rose was left to weep over the downfall of her left to weep over the downiall of her hopes. She had been so happy with her lover and had spent so many de-lightful hours planning the hittle home they were to have, that it is no wonder she cried nuti her eyes were swollen and her delicate face discolored. Only a week before a telegram announcing a fatal accident had called announcing a tatal accident had called Robert to his boyhood home and changed the whole course of his life. His father was stricken down in the prime of life, leaving Mrs. Vincent with no supporter but her son. With almost his last breath John Vincent had beread Robert to abordon his almost his last breath John vincent had begged Robert to abandon his work in the city and come back and take care of his mother; and the son tearfully promised.

had teatinity provide the follower of the foll step sne nad taken. No thought that she was in the wrong came into her head, but only indignation at the obstinacy of her lover, as she express-

"He never loyed me or he could not give me up so easily," she said again and again. "If he cares more for his lucky mother than for me, it is lucky found it out before it was too late."

Miss Clifford was a stenovrapher in lawyer's office and earned a good She was an orphan with few salary relatives, but was so self-reliant and brave that she seldom felt lonely or discouraged. She lived in a well-ap-pointed apartment house and had her meals where good cooking was the rule. With good health, a fine posi-tion, plenty of friends, and a devoted

lover. Rose had felt her cup of joy overflowing. Now she was too proud to admit that she longed for Robert, and said to herself that she would never call him back if she could

Meantime Robert Vincent was find-ing in the hurry and rush of spring work on a large farm the solace his wounded heart needed. His grief for His grief for his father and the overthrow of his cherished hopes threatened for a time to change him into a silent, morose man, but as spring with soft showers and tender sunshine melted the ice of winter, so time healed and softened his bitter heart. His mother rejoiced his bitter heart. His mouner reported in secret that her son's heart had not been broken, for Rose's name was never mentioned after the first talk he had with his mother on his return from the city

s the day we were to be thought Rose, as she comb-lden hair before her mirror "This is married." t her golden one exquisite June morning. "I der if Robert is thinking of it. "I won der if Robert is thinking of it. "I suppose not, for he has probably been up for hours dradging on that farm. How fortunate that we were not married before Mr, Vunčent was killed in the accident. / I might have been milking cows and feeding pigs instead of working in an elegant office. Mo-ther used to say that all things are weally commo of a more pign and the in the city and only last week had my salary raised. Rose Clifford, you are a lucky girl," and she ran down to breakisat. to breakfast

Even as she said this she was con scious of an ache in her heart that had been there since she sent Robert

You are early to breakfast, Miss Rose," said the trim maid who was a great favorite with all the boarder

Yes, I must stop a minute at the doctor's to have him eyes before office hours him look at my

"Anything serious?" asked Katie "No, I guess not," answered Rose carefessly. "They have troubled me "No, I guess not, "answered Kose carelessiv, "They have troubled me for some time, but I put off going to the doctor for fear he might tell me to stop embroidering. I like to do needlework when I am at home, and perhaps have overworked them

Half an hour later it seemed to ose Clifford that every pleasant Rose Clifford that every pleasant prospect of her life had turned to dust prospect of her life had turned to dust and ashes. The skilled oculist after a brief examination said quietly: "There is but one thing necessary— perfect rest. If you give your eyes a complete vacation for six months, they are saved otherwise I can give ashes. you no hope. There is no cause for alarm if you do as I advise, but you have used your eyes too much in poor light, and must pay the penalty. Do nothing but rest, walk in the open air with your eyes shielded, and keep Good morning, in good spirits ant busy doctor turned to the next patient

All that day she mechanically per-All that day she mechanically per-formed her duties at the office, but over and over again she thought, "How can I take six months' vaca-tion? Where will I get the money to live on in that time, and will Mr. Bergen keep my place for me till I set hack?"

Bergen aver ..., get back?" "I'll tell you what to do. Miss Clifford," said Katie after Rose had spent two restless, unhappy weeks her misfortune. "My groaning over her misfortune. "My old uncle and aunt want some one to come and live with them more for

company than anything else, and you could do the few chores about the house easily. That wouldn't hurt your eyes a bit. They only offer to pay two dollars a week, but in the country you could wear out all your old clothes and do just as you pleas-

"Do they live in the country?" asked Rose

on a big farm, but tenants do the work mostly Uncle is too old to do anything but a few chores. It would be lonesome for you but not a bit expensive. Shall I write to Aunt

You are the kindest person I have "You are the kindest person 1 nave met since I had to give up my place, Katie," said Rose impulsively. "My friends all tell me I ought to have saved my money while I had plenty, which is quite true, but not very consoling just now. If your relatives think I could suit them. I shall be debt here. I can never thank you enough for your kindness."

A favorable answer came prom-A favorable answer came prom-to Katie's letter and Rose lost no to Katie's letter and Rose lost no to make the the starting 'I might be the home in the to Katie's need time in starting 'I might be in the in the in the in the interval interval in the interval interva country instead of a servant in one," thought Rose bitterily as she was speeding to the little station near which her new work lay. "My eyes would be sound and well, too. I am only reaping what I sowed when I sent Robert away."

Right across the fields," said the "Night across the fields, said the old ticket agent when Rose inquired the way to the Perry homestead. "See that big white house with green shutters? That's it." Three months before Rose would

have thought the big house the dreariest place in the world, but now it suddenly looked home-like to the suddenly looked home-like to the tired, hungry and discouraged gril, and she hoped the master and mist-ress might like her. She had taken the old man's advice and walked across the fields, leaving her trunk to be sent for later. Sweet peas, holl/bocks, four-o'clocks, pansies and dozens of old-fashioned flowers. Rose to had never seen before filled big beds on each side of the walk, and trees load-ed with cherries made the big lawn a

pleasant sight. "Come right in," said an old man hospitably Mother. I reckon here's city girl that Katie sent I reckon here's

"How do you do, my child?" said a motherly voice, and Rose felt her-self kissed on both cheeks. "Wash your face and hands for supper is just

Nothing had ever tasted so good as solving had ever tasted so good as the biscuits and honey, strawberries with thick cream, and the ham and eggs that the two people pressed upon the tired girl. "I can't eat another the can't eat another she said with a sigh, as Mrs. Perry passed some sugary doughnuts. "I won't earn enough in a month to pay for all I have eaten this evening

In a few days Rose was thoroughly at home and rapidly learned her vari cherries, fed the chickens, skimmed the milk, and ate three hearty meals the mills, and ate three nearty means every day with more enjoyment than she had ever felt in the citv Mr, and Mrs. Perry were delighted with her, and all three spent many happy hours under the old trees resting and talking. One morning Mr. Perry and an hours under the old trees that burs under the old trees that taking. One morning Mr. Perry taking. One out and see my little pigs trick. Rose. They are the greeding.

animals you ever saw." "Let me pour it into the trough," begged Rose as the shining, squealing little pigs rushed to meet them. "Hold it up high. They'll upset it," called Mr. Perry above the noise.

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AND CANADIAN FARM AND HOME

So Rose with the little pigs scram-bling over her feet, held the pail high in the air and poured a white stream among them for the trough stream among them for the trough Wearing one of Mrs Perry's long gingham aprons and a big calico sun Perry's long gingham aprons and a big calico sum-bonnet, she looked very little like the dignified. Miss Clifford who had thought farm lie unendurable "How do you do, Mis Perry": called a familiar cone behind her. "Trying to steal your husband's oc-

cupation?

As she heard him approaching, Rose As she heard him approaching, Rose revolved various plans for flight in her quick brain but without avail Robert Vincent was at her side per ing into the hig bound. "Rose Clifing into the hig bonnet. "Rose Clif-ford! Feeding pigs'" he gasped in

ford: Feeding pigst" he gasped in well-teigned horror. "Ing," solubed Rose dropping the pair "I never, never would have come here if I had known you lived here. You told me Baxter was your postoffice". postoffice.

postoffice." "So it was," said Robert calmly. "but the government took a notion to change the name last year. Are all the foolish notions out of your all the footish notions out of your head, dear, and are you ready to live with me on a farm?' "If I felt sure you would never think I came here on purpose to find you," began Rose slowly, "I might—"

"O, as to that," laughed Robert.

"O, as to that," laughed Robert, "I bribed Katie to send you out here. Does that satisfy you?" "I have had a hard lesson, but I deserved it," said Rose humbly. "Do you know, Robert, I enjoy milking and feeding the pigs?"-National Stockman.

. Paying Children

I have often wondered why people I have often wondered why people reward children for little acts of kindness, when it did not cost the child any self-denial whatever, and he child any self-denial whatever, and he was perfectly willing or perhaps of-fered to do the favor. I have an in-stance in mind. A boy was asked to go down street to do an errand for a person. He went willingly, and would have felt just as happy with-out the pay, but she felt she ought to reward him and did so. This happen-ed on several occasions and with dif-ferent people, until the child began to think he must be paid for every thing he did, or he would not do it. It made it very hard for their mother to o do little things for others and not; do little things for others and not expect or accept pay-for them. I am afraid she did not succeed, for I after-ward heard the boy drop a sentence Iam which showed that he was expecting Dav

Good Rules for Mothers

Keep up a standard of principles ; your children are judges

If you say "No," mean "No." Un-ess you have a wood reason for less changing a given command, hold to

Remember that trifles to you are mountains to them; respect their feelings

Take an interest in your children's aihusements ; mother's share in what pleases them is a great delight.

As long as it is possible, kiss the children good night after they are in bed; they like it, and it keeps them very close.

Be honest with them in small things as well as in great. If you cannot tell them what they wish to know, say so, rather than deceive them

Beautifully Dressed Doll. FREE!



Girls, send us your name and address on a Pos Card and me will mail non postnaid fits Lange Beautifully Colored Pictures each 16 x 20 inches, named "The Angel's Whisper," representing

an angel bendiag over a cradle containing a sleeping child, "Simply to the Cross 1 Cling," a beautiful picture showing a woman cling, a beautiful picture showing a woman clinging to the cross, and "The Family Record" a picture that should be in every home, as it p ovides spaces for writing all th highs maninger deaths ato. These min tures are all handsomely finished in 12 colors and could not be bought in any store for less than 50. You sell them for only 25c and give a free certificate worth 50c to each purchaser return us the money and for your trouble we will send you

This Handsome Dressed Doll

just imported from Germany, with turn-ing Bioque head, lovely golden curly nary genty and the set of the set of the syst share open and shot, joined body, with baseling the set of the set of the heat open and stoking a set of the set of the set of the set of the set of fact of the set of the set of the Matchett, Kewain, Orr, writes as that I have writes about no bibly -

At I have written about my Dodry.— "I am a little gial just sine years old, My Delly came from Germany, so I am told She has peet blue eyesword nice flaxen hair, And I am just in leve with her, I do declars. She's tweet and she's wriseme, She's tail and she's gay, And with my dear Dolly I just mean to play.

I do leve her dearly, I foodly embrace My dear little Lolly With such a sweet face."

Mow can we do it 5

Louise Nuns, Hamilton, Ont, and: "I may not see that I have not write bare to acknowledge my beautiful down if the transmission of the see that the see that the set of the set of the part of the set of the part was aligned than the set of the set of the part was aligned to the set of the part was aligned that the set of the set



a a builded other lowely things to be utility your boost to on the Instantial this like of largery work a great relation to the instances of the limit one of the limit one of the limit one of the limit of the l mine usis chance, Weshill near be able-lise these axis and so will no be able to der: **Read what ladies say who have b Silk Squares i** Coval PO, out, "I was very with the wilk Bennanta. There were more piece-quality that I spected. Suff. The near piece intermediate the second second second second intermediate second second second second second or intermediates of silk is imellie. Mileast-k Re nasss, I w quantity, as you W E Saxby. Pr

1 11 18 1st of les, and 17 072 15c, other. The Home

BARCAIN SALE of SILK RIBBONS almost FRFF e to three yards in length, an

Biest qua ily. Edge, Salia Policies other all shades and

Ribbour at these at any store in the land for a i -coorport Mont times this Barry Brs. W. Gallagher, East Clifton, Or says 1⁻¹ I conder our Albhons the cherner B Tever pott.¹ Ficher ar

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THE BOYS AND GIRL

Billy's Choice

"Now, see here, Billy," exclaimed armer Wilson to his man of all Farmer r Wilson to his man of all "you needn't get oneasy jest work. because old Smithers hez offered you a dollar a month more'n I'm payin ye. I reckon I've got about ez much money an' kin afford to pay ye about eè much ez Smithers kin, or mebbe a leettle more

first-class worker, Billy, "Yer' a first-class worker, Billy, I'll admit that, an' I don't want ye to be gettin' dissatisfied or thinking of diggin' out, so I'll make a bargain with ye right now before we go any with ye right now before the work farther. If you stick to me an work ez well ez yè've bin workin' right er well er ye've bin workin' right along ier the next three years, Til pay ye the same as Smithers olfered yee, an' at the end of the three years Til give ye the best critter on the place. Yes sirre, Billy, ye kin half yer pick of anyeritter o horse, or place, fragile or elephant, if 1 happen to have one of 'en on hand when it comes time to take yer choice.

to have one of tem on hand when it comes time to take yer choice. "What d'ye say to that, Billy? Is it a bargain?" "Till do it," answered Billy Ford,

quietly, "and there's my hand to bind the bargain."

bind the bargain." "That's the way to talk; that's jest what I wanted to hear," exclaimed Farmer Wilson, grasping Billy's ex-tended palm and giving it a hearty shake. "Now that birness is settled satisfactory to all hands, an' we kin pitch into work with a clear constience

was made of No further mention the bargain between Billy and his employer until they were seated at the dinner table later in the day, and

ployer until they were seated at the dinner table later in the day, and then Mr. Wilson, with a merry twinkle in his eyes, planed acroas the table at his better fraction, and sald: "Well, mother, I had to discharge Billy an 'hire him over agin to-day." "You seem to be in very good humor about it, so I judge the dilfer-ence couldn't have been very serious," commented Mrs. Wilson, who used to be a schoolma'am before she married, and therefore did not handle the local dialect with the of thand famil-iarity of her husband. "Serious? Yer kin bet it js!" ejacu-

iarity of her husband. "Serious? Yer kin bet it is!" ejaca-lated Mr. Wilson. "Why, I've got to pay him \$i a month more in I did be-fore, an' at the end of three years, if he stays right along, he's to have his pick of the critters on the place to take along with him and keep for his own. I servet he'll take a horse but I expect he'll take a horse, but own I can't help it. I wasn't goin' ter let old Smithers hire him away from me, an' then go around chucklin' over it over it ochind my months." back for the next six

"Mr. Smithers made an attempt to hire him, did he?

s, and a purty nervy attempt at Offered him one dollar a month Yes, that. that. Offered him one donar a montain more that I was payin' him, but I settled the matter in a hurry by pilin' the best critter on the place on top of that. But if he stays the hull three years I reckon he'll earn it. Eh, Billy

Billy blushed and answered that he

Billy blushed and answered that he would do his best. "Didn't you exempt my pony, papa?" I really can't think of allowing Mr. Ford to run off with that, even H he does ears it," exclaimed Farmer Wil-son's eighteen-year-old daughter, Ida,

with a sidelong glance of admiration at Billy's broad shoulders and manly at Biny ______ features. "Oh, Billy

features. "Oh, Billy wouldn't be mean enough to take the pony. I guess," interposed her father. "No," said Billy, "I don't want the pony-unless the rider gues with it," he added in a low voice. "Eh, whick's that?" demanded Mr. Wilson, "Unless what? I didn't weak it."

Wilson. "Unless what? I didn't ketch the tail end of that remark, exactly.

Billy's face turned crimson, and he was about to repeat his remark, when the quick-witted young lady came to the rescue.

the rescue. "Mr. Ford"—she always called him by that title, because she considered it more becoming and dignified than Billy,—"Mr. Ford says he dosen't want the pony unless the bridle goes

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surprised Mr. Wilson by asking for the hand of his daughter in marriage. Mr. Wilson was engaged in the pas-toral occupation of milking a cow at the moment this question was sprung upon him, and he nearly fell off the stool in astonishment

Want to marry my darter Ida?" he gasped. "I guess not, young man! Not if the court knows itself. I've bin edyercatin' her fer suthin' higher than marryin' her father's hired man."

"Oh, if that is the only objection, can easily be removed,' illy. "I don't expect interposed to remain Billy. "I don't expect to remain anybody's hired man after my three years are up. I believe I told you when I came here that I had just graduated from college, and intended to make the pursuit of agriculture my life business, instead of going into medicine or law, or any other of the already overcrowded professions. believe a man with brains can put them to as good use and make 8.5 much money in farming as in any-thing else, and I propose to prove it I am studying the practical side of the business now, and at the end of my three years I propose to go West of

How Johnny wears his pants out.

with it, I believe," she explained, ingenuously. "Huh! I reckon a halter is all he'll

get with her if he takes that pony There wa'n't anything in the writin's about throwin' in the bridle,'' said Farmer Wilson.

"You meedn't worry, father. I think Mr. Ford will be generous enough to spare me my pony," said Ida, reassuringly.

"Yes, you may keep yaur pony," agreed Billy, with an undisguised glance of admiration at the pretty face opposite him. Ida's eyes fell be-fore his, but not until they had flasha look that caused his heart ed back to beat high with hope. The fact of was that stalwart, good the matter looking Billy had long admired his employer's handsome and accomplish-ed daughter, but to-day was the first time he had dared to let her know it, either by look or speech. After that, however, their acquaintance rapidly ripened, and, a few weeks later, Billy and buy a ranch and strike out for myself. As far as my education is concerned, I don't think I shall ever give your daughter occasion to be ashamed of me, and as to supporting her comfortably and in becoming style, I believe I shall be abundantly able to divo and me. able to do so and-'

"Can't hclp that, Billy," broke in Mr. Wilson. "I hain't gointer have ye luggin' Ida off just because ye two ve luggn' ida off just bécause ye two young folks imagine yer in love. A woman is a mighty queer an' onsar-tin sort of critter, anyhow, as ye'll find out soon enough when you get hooked up in double harmess fer life with one of them, an' if I was in yer place I wouldn't be in any harry place I wouldn't be in any harry my shoulders. Anyhow, if ind on my shoulders. Anyhow, if wise of new Anyhow, if ye i ied in spite of on gittin' married my on gittin married in spite of my warnin' ye'll halter pick out some other partner besides the one ye've got yer eyes set on at present. My darter is goin' back to college next week to finish up her edyercation, an'

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when she gets through her schoolin' it will be plenty time enough fer her to commence thinkin' bout the men. She'll forgit ye by that time fast enough, so ye might as well give up all hope right now of ever gittin' her. I like ye well enough other ways, Billy, but I don't care fer ye in the role of son-in-law. There got yer answer, fair an if ye want to star. There, now, ye've square, an got yer answer, han an square, an if ye want to stay an' work out the balance of yer time, we'll drop the love bizness right here, an' I'll treat ye as well as ever; but it ye don't care to stay under the circumstances is allright, an' I shan't blame ye it any fer going. Now, which is it to be, Billy, stay or quit?"

"T'll stay, 's said Billy, quietly. And stay he did, performing his du-ties as conscientiously and thoroughly as ever, although the farm life grev suddenly sordid and dull when Ida went back to her college studies. The months rolled swiftly around,

however, as months have a habit of doing, until twenty-four of them had been crossed off the calendar of time Then Ida, as bright and winsome as of old, came home with her dimples and diploma, and, though he did not even dare to look his admiration, Billy was straightway transported to paradise.

Billy's term of service finally ex pired, and he regretfully announced that the time had come for him to strike out in life for himself.

Billy Farmer "That's so, Billy." said Farmer Wilson. "I had clean forgot 'bout yer three years bein' up to-day. Waal yer three years bein up to day. Waai [11] look over accounts an settle up with ye after dinner, an in the mean-time ye kin be lookin' 'round an sorter makin' up yer mind which one of the critters on the place ye want. i believe ye was to take yer choice when ye quit." "Well." said Billy, promptly, "it

"Well," said Billy, promptly, "it won't take me long to make up my mind."

Here he stepped quickly across the oom to where Ida was gazing disroom room to where Ida was gazing dis-consolately from the window, and whispered a question in her ear. For an instant her eyes met his, then she rose, with a smile, placed her hand confidingly in his, and together they laced her father.

laced her lather. "This is my first and only choice," exclaimed Billy, with a ring of min-gled pride and triumph in his tones. "But ye can't do that—"taint in the agreement. I said critter, not wim-men folks; an' I hain't gointer allow we excluno such

"Just a moment, if you please, Mr. Wilson," interrupted Billy Ford, drawing himself erect, with proudly flashing eyes, and still retaining Ida's hand. "Haven't I heard you allude nand. "Haven't I heard you allude to the women as queer critters, con-arred critters, flagney critters and I don't know how mamy other kinds of critters, during the past three years and upward that I have been with you would be a state of the state of

"Yes, I s'pose ye have," acknow-ledged Mr. Wilson, "but-er"-"All right, sir," interposed Billy

'critter' on the place, and this is the one I want, and the only one."

one I want, and the only one." Farmer Wilson gazed at the handsome and smiling voung couple before him in a half-indignant, half-induland then the latter feeling got the better of the struggle, and he quietly remarked

"Waal, a bargain is a bargain, an' I sepose I'll hafter keep my word. But I say, young man," and Mr. The prose is a matter keep may word, But, I say, young man," and Mr. Wilson's eyes twinkled mischievously, "don't ye think ye sorter missed yer vocation, not bein' a lawyer instead of a farmer?"-V. W. G., in American Farmer



A Prayer

BY REV. R. J. CAMPDELL

Help us in the over and the test and the gread of life : may we be fullified over a few things, that Thou mayest make us in time rulers over many things. Give Thy message relevance many things. Give Thy meaning units our soulds, let Thy words be full of ten-dernoss, may that meaning be such as we wait to receive, and meaning to receive. We bring to Ther all our perplexities, all our problems, all our questionings, all our doubts surden which we have borne to-day, the hur dens which we fear to take up to-moreow, and we place them down at the foot of the cross of Christ. Grant us, O God, the por er to use the moments as they come, conscientionsly as unto Thee, and to bless every oppo tunity as it arrives by meeting it as heroes and Speak to us at this momen ms of God give to us that windom divine, courage and give to us that warann alcene, consign on strength and faith, that we may make the world better because Christ's men, (hrist's friends, are here to labor therein. We ask it for the Muster's sake Imen

.

The Sin of Unbelief

The prevailing sin of this generation is unbelief. So it has always been It may arise from different sources it may arise from different sources, it may manifest itself in different ways. But if men believed in the judgments of God, and the grace of God which brings repentance, they would not so easily become the vic tims of the lust of the flesh, and the lust of the eyes, and the pride of life. If men believed in the fatherhood of God they would not sin so lightheartedly against the brotherhood of man. "God is not in all their thoughts," is the chief count in the indictment which conscience, enlightened by the Holy Spirit, must bring ened by the nois Spirit, must bring against the age. All sins come back to this at last. Absence of faith is like that want of bodily vigor which lets in the forces of disease. Make lets in the forces of disease. the body immune by an indwelling and excluding strength, and there will body be no more infection. True repent-ance, joined with a devout and earnsense of stewardship for God the best prophylactic against luke-warm worldliness. God has trusted us with his own work on earth. If trusted Church were everywhere alive with the enthusiasm of God's pur pose, what space would be left for envying and strife? If social life were leavened by the spirit of Christ. would there be room for neglects of consideration, wastes of energy, and cruelties of pride?-The Congregationalist

A Finished Religion

Dr. R. A. Torrey recently said : "I have a canny Scot for one of my dea-•• I cons This deacon was walking down alongside the railroad track one when an engineer, who he morning. knew had been converted, hailed him. and asked him to come for a ride H. climbed up on to the foot-plate of the engine, and got into a theological dission with him

After they had been talking for some time my deacon said: can see you have a different religion from mine. You have a religion of two letters, while I have a religion of four letters."

'How do you make that out?'' said the engincer

Your religion. replied the deacon, "is Do. You are always talking about what you do! My religion is Done; and I am always talking about what Jesus Christ has done when He bore my sins on the cross

. Sorrow Leading to God

That was a wise old minister who aid he never preached to so-called infidels, because he believed the were no infidels in reality. One wh heard his remark said, "No infidels? there who heard his remark said, "No infidens?" Said the minister, "you would like to be, but you cannot. The first dark shadow of sorrow that you meet will wrench from your lips and from the depths of your heart a cry to God. Your soul will not be defrauded of its right to succor at the source from which it emanated " In this remark which it emanated in this remark there is revealed not only much wis-dom but a suggestion of the value of a great sorrow. In the day of prosperity we are apt to think that there is no need of God. But in the time of sorrow, when there is no help i. man, our souls instinctively cry out for God. Thus it happens that trouble out leads us to God. Then help comes and we are convinced that God hears prayer. It is frequently that young people are skeptical, while the old are inclined to faith The reason for this is found in the fact that the young, have not suffered. How suggestive, then, in the light of this fact, the beatitude : "Blessed ye that mourn, for ye shall are comforted '

The Spirit of Praise

Remember your life is to be a sing-ing life. This world is God's grand ing life. cathedral for you. You are to be one of God's choristers, and there is to be a continua. praise and thanksgiving from your heart, with which Goe shall be continually well pleased. And there should hot be only the olfering of the lips, but the surrender of the life with joy Yes, with joy, result of the surrender of the of the be a continual eucharistic sacrifice of not with joy. Yes, with joy, and not with constraint. Every faculty of our nature should be presented to Him in gladsome service for the Lord Jehovah is my song, as well as my strength.

Afterward

There's never a storm so wild But after it follows a calm :

There's never a hurt so great But somewhere's provided a balm;

There's never a night so dark But after it follows the dawn

There's never a shadow falls But after it follows the light ; There's never a sorrow come But after it comes delight

There's never a sky so gray But after it follows the blue; There's never a false friend found But later you'll find a true.

There's never a heart that breaks But after a while 'twill heal ; There's never a moan of pain But after a laughter peal.

There's never a sin so black

But forgiveness is found at last; There's never a weary day But some time 'twill all be past; There's never a might so dark But after it follows the dawn

THE FARMING WORLD



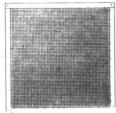
Some Kitchen Helps

An original device for keeping the spoors, kives and forks one uses in a kitchen in a neat and handy place has given satisfaction for six years. The backing is prepared on a broad shell in the painty. On the wall at the right side of this broad shell, a clear was mather wole, one indichtick and twenty inches long. A piece of clastic webbing, black, and about an inchwide, was tacked firmly to one end; it was then pulled tiphly and



stretched a little before being turned in and taked at the other end; between the two ends, takes ane driven at irregular distances, for jwide and narrow knives, and for different sizes of spoons. Even a tiny salt spoon for measuring has its place, and the smallest of paring knives, too. Space being limited, this saves the room of a knife box on the shell. The articles themselves are much more easily taken up to use than they could be from a box and stay in better condition. Each be found in the dark in necessary Silk elastic lasts longer than a cotton quality, paying in the end much more than the difference in cost. Largeheaded tacks were used, of a atrong kind. When the elastic wears and becomes loose it can be drawn up tightly after removing tacks; the tacks are then driven in once

Finding the dish drainers which we bought were not large enough to hold all the dishes which we were obliged to use, we made a dish drainer fike



the accompanying illustration. It consists of a frame of boards the size of the tub or sink, on the under side of which is tacked firmly line wire netting. Place this upon the tub or sink, and after runsing the dishes with hot water place them bottom side up upon the netting. They will soon be dry and there will be no necessity of wiping

Queer how the smallest trille helps, if it is instriph. The cutest instance of this I have seen in a long while is abown by the sketch herewith. A marrow piece is punched out of the upper end. The strip is bent back and curved, so that when the spoon sildes down this curved projection catches the edge of the howl and prevents the spoon from falling in This prevention of the common trouble of losing

spoon, ladle, ets , in pan, howl, o other receptacle, is just too simpl for anything?

Holders for Cooking

A good cook is not likely to use her A good cook is not tikely to use her apron for a holder, but it is often a temptation to do so, unless she has a good supply of holders. Not only should there be enough for present use but some in the pantry drawers to fall back upon. They are made in all fall back upon. They are made in al ways. Some fold half a dozen thick nesses of cloth into a rectangle an and bind the edges. Others make the in-side of any clean material, stocking legs being often put to this use, and have the outside of thick material, such as cloaking, and every piece com ing to the edge, sew over and ove around it, taking coarse quilting stitches through it and finishing with quiltin a loop. We half suspect one reason why the apron is so often put to the indignity of serving for a holder is because it is longer and can be placed on the dish in two places. Why not make longer holders then? When one cup towel is worn past convenient using put it aside until two or three more are in like condition, then, fas-tening these together, you will find the holes in one covered by good the noise in one covered by good places in another, and that you have a holder worth many times its cost in time and patience saved. Try and keep your holders clean. It takes but a few moments to wash them out and a sticky holder makes one nerv nerv and doubles the possibility of 0118 dropping the hot dish

Fall-time Recipes

Crab Apple Pickles.—For six pounds of fruit take lour teacepluis of sugar, three of good cider vinegar, two of water and one heaping teaspoonful of gunger. Let this boil a lew minutes, then add the crab apples which have been stuck with cloves, two or three in each one. Cook slowly till done and seal.

Plum Catsup-Stew small blue plums slowly and strain through a wire survey and strain through a wire survey in the strain low one-hall put of vinegar, twotable-spoonius of cinnamon, one cashof cloves and allspice, one tcaspoon ul of salt, one of white pepper and three pounds of sugar. Boil slowly until thick as desired and bottle.

Canned Pears —Select sound, perfect ones. they should not be over tipe for canning. Baritets are considered the best, but there are other good varieties. Peel, and cut in halves or quarters as you prefer: remove the core and throw into cold water, prepare a syrup allowing about one pound of sugar to four pounds of fruit. Use twice as much water as sugar for the syrup. If the pears are very hard steam them for a lew minutes before putting them in the syrup; if they are mellow, put them in the syrup and cool slowly until tender, lit out carefully and put in glamm jars, fill up with syrup and screw covers on tightly. Onion Soup.--Melt two tablespoon-

Onion Sonp.—Melt two tablespoonfuls of butter in a spider, when it bubbles add four large onions, washed, skinnel and cut in slees, let them simmer without brownine for about hait an hour, then sitr in a slightly hearing tablespoonlul of thour. When it thickness poor in gradually a pitt and a half of beiling milk, season vitronghe, a purper size and return to the fire. While it is getting hot beat together two eggs solds and half a sup of cream, remove from the stove and stir the eggs and cream into it rapidly, poor at once into the tureen and serve

Pressed Chuken—Cook a chicken in as hitte water as possible, until the meat will fall from the hones, season to taste while covking, as soon as it is cold enough to handle, remove the bones and skin, place the meat in a mould (a bowl will do) in small preces, light and dark alternating. Bont full the mould quite fail. Into the water in which the chicken was cooked rthere ought not to be more than a gill put one-half ounce of gelatine, boil until dissolved, and pour over the chicken. Let is stand an hour, and then put a weight on to press it. Serve cold in slices.

press it. Serve coin in succes. Squash Souffle—Try a squash souffle some time: it is not difficult, and it is "delicate feasing." To a pontial of mashed squash, take a tablespoonial of melted butter and enough cream or milk to soften the squash, add sait, pepper and the whites of two eggs, which have been beaten stiff. Bake in a quick oven, in a buttered baking dish, for about half an hour.

Home made Cream Puffs—One cupful of hot water and one half-cupit of butter boiled togethers. While boiling stir in one cupitul of sitted thour. Remove from the fire, and stir until a smooth paste. When cool, add three unbeaten eggs, stirring five minutes. Drop in spoonfulls in buttered tins, and bake in a quick oven for twenty minutes. For the cream fake super one egg, three tablespoonfuls of flour. Cook throughly, and flavor. When the puffs are cold cut open and fill with cream.



September 1, 1903.

AND CANADIAN FARM AND HOME



Food, Water and Air

These are the things out of which blood is made. If the lood is nutritious and properly cooked, if the air is pure and full of oxygen, if the water is clean and iree from impurities, the blood will be rich and red and ighl of vitality.

Barring physical accidents, there is no sickness except that depending ditext of the size of the size of the size of the real size of the size of the size of the size of the nas been trying to subsist on poor food or vitiated air or bad water, one or more

In order to have good food a person ought to have the first eating of it. Food that has been mussed over and left by one person is not fit to be eaten by another.

In order to have good air a person ought to have the first breathing of it. Air that has been breathed by other persons is not fit to breathe again.

Water should be fresh from some spring or well. If hydrant water must be used let it run a bit, as the house pipes are apt to be of lead and not iron like the pipes that convey the water through the city.

The water through the city. Food that is relished, air that cools and invigorates, water that is qualfed with eager thirst—these are the things that make blood. Put fresh air into the lungs, good **[wood and pure water** into the stomach, and nature will do the rest.

Some Uses of Borax

In sudden hoarseness or loss of voice from colds relief may be obtained by dissolving and partially swallowing a lump of borax the size of a pea. Borax may be dusted on a scald or wet burned surface. It is nice for cleaning the teeth and to aweeten the breath, and a little added to hank why provide the little added to have the provide the little added to have a set of the set of t

Baths and other Matters

Various sanitariums and private hospitals are using the "salt rub," and it is becoming so popular that some Turkish bath establishments are advertising it as a special attraction. It is just as good for well people as for sick ones, is the most refreshing of all the haths and rubs ever invented, only excepting a dip in the sea itself, is very strengthening and can be taken at home easily.

be taken at home easily. Put a few pounds of coarse salt the coarsest you can get, sea salt by preference—in an earthen jar, and pour enough water on it to produce a sort of sloks, but not enough to dissolve the salt. This should then be taken up in handfuls and rubbed brickly over the entire person. It is better to have it rubbed on by

It is better to have if rubbed on by another person, but any one in ordinary health can do it for herself of himself very satisfactorily. This heing done, the next thing is a thorough douching of clear water, preferably cold, and a brisk rubbing with a dry towel. The effect of elation, freshness and renewed life is felt immediately, and the satur texture of the skin and increased clearness and brightness of the complexion, swell the testimony in favor of the salt rub.

For young children it is best to drain off the salt, and add two tables spoorfuls of pure hav run to a basin full of this salt water. Apply with a soft flannel, and dry with a soft Turkish towel Care should be taken that there is not too much salt in the water, as it may irritate the tender skins of some children.

How to Cure "Milk Crust "

This is a disease often seen in infauts and young children. It is due to an inflammation of the little sebacrous glands of the skin. It is most often seen on the scalp, and when present the hair should be first softened with warm olive oil, or vaseline may be left on the scalp overnight, then the crusts washed off with warm water and castle scap. An ohtment made of either vaseline or cold cream and 2 per cent of resortin should then be applied. This should be spread on line cap. Every place two means of a thin cap. Every offer off and aroly fresh salve no not use water oftener than once a week.

Some Simple Remedies

A paroxysm of coughing may often be arrested by taking a teaspoonful of glycerin in a little hot milk. For local application to boils and

For local application to boils and carbuncles the best thing is water almost hot enough to scald (applied frequently with a small cloth). It must be hot.

Onions should be extensively used in the diet, as they are excellent for the nerves. They are also useful for couchs, colds, influenza, insomnia, constituation and for stimulating «the appetite

For relieving hoarseness try the following mixture : To the white of an egg add the iuice of one lemon and a teaspoonful of sugar and take a teaspoonful at frequent intervals until the voice is clearer.

the voice is clearer. If you cut your finger, don't tie a raw around it. Let water run on the finger till it feels numb with cold, and then sprinkle a little salt on the place. It will ache for a minute, but the bleeding stors at once, and the pain is only momentary.



The satisfaction of having the washing done early in the day, and well done, belongs to every user of Sunlight Soap. $$_{\rm 10B}$$





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Neatness in Dress at Home

596

The importance of next and tasteful house dressing can not de overestimated. The matrice who suppares before the members of her family in a shahby, solid wrapper, and makes the recurse-di, indeel, she takes the tronble to make one at all "that it is so much more constrained", has little rides of the possible consequences of that her dress is an evil example to her daughters, and one productive of consequences that will reach far heyond her own span of bife that has band and sons cannot fail to draw comparisons between her dress and that of the ladies they meet in other homes, and that these comparisons cannot fail to decrease their respect fore a tention to her personal appearance.

Not even the burden of care and constant employment can furnish safficient excuse for careless personal habits, for few things are more important to the well being of a family there is an odd saving to the effect. that an until worker has disobedient (shiften and while nother parents) while an until work there are the why or present and while nother parents where the same are also been as a same when the same are also been as a same as a same and the same are also been as particular of a mother who takes no pride in the personal appearance.

Hints by May Manton

WOMAN'S YOKE SHIRT WAIST, 4431

Shirt waists made with fancy vokes make one of the novelins of the sasson and can be rendered as elaborate or as simple as one may choose. This very stylish model is shown in white linen with yoke of Mexican drawn work and is unlined, but the design can be utilized for lace, embroidery or any voking material that may be preferred and the lining can be used whenever the material renders it desirable.



Waist or Blouse, 4473 Shirred Water 32 to 40 bust. 32 to 40 bust.

The waist consists of the fitted foundation, the tacked fronts and is fitted by means of shoulder and upder-arm seams. The back is drawn down snugly but the fronts blouge alghity over the balt. The centre box plait is out in one with the front beplait is out in one with the front beones that are tucked above that point. The sleaves applied above that bows. The neck is finished in regulation style.

WOMAN'S SHIRRED WAIST, 4473

Shirrings of all sorts are notable features of the season and of the latest models. This smart waist shows then used in a novel manner and is singularly well adapted to the soft and phable materials in reque The original is made of white silk multi trimmed with crean guipure lace and is charming, but the many thin words and silks are equally sintable as well as the fine linen and cottor fabrics.

as the time inen and corrent horizs. The waist is made over a smoothlyhitted hump that closes at the centre imput. The fronts and the back are show of the the inent and the back are show of the the second second second second the waist line. The folds at the back give a tapering effort to the figure while the front bioloses simplivity over the belt. At the centre front is a shirred vest-like portion that can be made high and finished with the collar, or cut off at the shirring sto fit the arms closely above the elbows but form puffs at the wrists. When elbow length is desired the xan be cut off and gathered into hands.

WOMAN'S BION JACKET, 4474

Eton Jackets are becoming to almost all women and are much in lavor because of that fact. This one includes the fashionable stole with sleeves that are both novel and some factory to the weater. The original



4474 Eton Jacket, 32 to 42 bust. 4430 Misses' Blouse Jacket, 12 to 16 yrs

is made of the Sixilian unohar, sixthed with corticell sik and trummed with fancy braid, and makes part of a costume, but the jacket is equally well suited to other suiting materials and to the odd virap as well as to the coat which matches the skirt. The positilion is optional, can be used or omitted as preferred. The jacket is made with fronts and

The jacket is made with fronts and back and is finished with a belt that passes under the elongated fronts, at the darts, and is closed hereaft them. The sleeves are snug alove the elonows but large enough below to allow of wearing over those of the grown with comfort and easi is shaped to fit over abeliant of the elony of the elony the lower of the elony of the elony of the lower of the elony of the elony of the elony the elony of the elony of the elony of the lower of the elony of the elony of the elony of the lower of the elony of the elony of the elony of the lower of the elony of the elony of the elony of the elony of the lower of the elony of the elony of the elony of the elony of the lower of the elony of the elony of the elony of the elony of the lower of the elony o

MISSES' BLOUSE IACKET, 4430

Blows jackets with tunks, or shirt, are among the smartest of the season's garments and are exceedingly becoming to young guils. This very attractive one includes the stole collar and the new wide sleeves. The original is made of tan colored etamine and makes part of a costume, but the design suits the odd wrap equally well.

The jacket consists of the front, back and under-arm gores of the blouse and the tunic. The back

is plain but the fronts are gathered at the belt and house slightby. The tunic is sumothly fitted and is joined to the lower edge, the seambeing concealed by the belt. The stole collar, which finishes the neck and striched with corticell silk and is atranged over the edges. The sleeves are song at the shoulder but furged in the wrists where they are gathered in the bands under the flaring

WOMAN'S CIRCULAR SKIRT, 4429

Skirts tucked on tapering lines are among the novcitue of the season and are exceedingly graceial and effective. This very charming one suits a host of materials but, in the case of the original, is made of cream canvas veiling with applique of lace and stitched with corticelli silk. Linen, "cotton, silk and a variety of wools are, however, equally appropriate. The skirt is circular and is laid in graduated tucks from the hips to

The skirt is circular and is laid in graduated tucks from the hips to within floance depth of the lower edge. The fulness at the belt is taken up by means of tiny tucks which taper to nothing and are stitched flat. The fulness at the back is laid in inverted platts.

WOMAN'S WALKING SKIRT, 4441

Walking skirts have become so much of a necessity as to be included in every warlrobe. The very stylish one illustrated is adapted to cloth of all grades, to etamines and the like and to the heavy linens now in vogue, but as shown is made of Sicilian mohair in royal blue with stitching in corticelli silk.

The skirt consists of nine gores which are shaped to fit with perfect snugness above the knees and to flare freelv about the leet. The fulness at the back is laid in inverted plaits.



4441 Nine Gored Walking Skirt, 22 to 30 waist.

4429 Circular Skirt, 22 to 38 waist

The price of each of the above patterns post-paid is only 10 cts. Send orders to The Farming World, Morang Building, Toronto, giving size wanted.



In this point, assignsing suggested, beautifully presented, attempts the start of the start of

AND CANADIAN FARM AND HOME September 1, 1903 507 VE OLDE FIRME OF FETABLISHED ESTABLISHED **HEINTZMAN & CO., Limited** TO VEARS TO YEARS Great Sale of A Fraction of Manufacturers' Prices. Used Organs **On Easiest of Terms**. VE call them used organs, because they have been in use to some extent. But they are practically as good as new. Every one has been overhauled UU by a clever expert before being offered for sale. The particular twenty organs described in the list below are the choice of several hundred organs taken in exchange by us when selling our own pianos. We have not room to store them, and a quick turn-over is made by marking them down at a mere fraction of the price you would pay the manufacturer. Just study the list: 1.—Dominion Organ, low back, 5 octaves, 6 stop4, three sets of reeds and knee. Special price..... \$25 2. -Estey Organ, low back, 5 octaves, 6 stops, four sets of reeds and knee swell. Special price..... 51 27 3.—Canada Organ, low back, 5 octaves, 7 stops, five sets of reeds and knee swell. Special price..... 14.—Karn Organ, chapel case, 5 octaves, 13 stops, five sets of reeds and sub-bass set, treble and bass couplers, grand organ and knee swell, mouse-proof 29 4.-Peloubet & Pellon Organ, low back, 5 octaves. 10 stops. five sets of reeds sub bass set, also pedals, etc. This organ is practically new. (Suitable for Sunday School er small Church.) Special price... knee swell. Special 20 53 5.-Bell Organ, high back, 9 stops, 5 octaves, four sets of reeds, grand organ and knee swell. Special 15.-Mason & Hamlin Organ, high back price 30 octaves, 9 stops, 4 sets of reeds, grand organ and knee swell. Special price 55 -Doherty Organ, high back, 5 octaves, treble and bass couplers, grand organ and knee swell. Special a. 37 16.—Masson & Hamlin Organ, high back with mirror, 5 octaves, four sets of reeds, 6 stops and vox-humana stop, also knee swell. This organ is made by one of the best makers in the United States. Special Dominion Organ, high back, 5 octaves, 8 stops, octave coupler, four sets of reeds, grand organ and knee swell. Special. 39 57 knoe swell. Special.
6. — Dominion Organ, high back, 5 octaves, 9 stops, 4 sets or reads and sub-bass set, octave coupler, grand organ and knee swell. Special price.
8. — Thomas Organ, high back, 5 octaves, 9 stops, four sets of red streble and base couplers, grand organ and knee swell. Special. 17.—Uxbridge Organ, high back, 6 octaves, 12 stops, five sets of reeds, treble and bass coupler, grand organ and knee swell. A good bargain at....... 41 59 18. -Dominion Organ, high back, with extension and nicely panelled case, 6 ootaves, 12 stops, seven 43 -aromanation Organ, ngn Dack, with extension and nicely panelled case, 6 ootaves, 12 stops, seven sets of reeds, grand organ and knee swell. A beauti-ful parlor organ. Special at and knee swell. Special...
 Dominion Organ, high back, 5 octaves, four sets of reeds, 13 stops, treble and bass couplers, grand organ and knee swell, also mouse-proof pedal. Special 61 price 45 -Karn Organ, high back with mirror. 5 octaves, 11 stops, four sets of reeds, treble and bass couplers, grand organ and knee swell. Special..... 65 47 20.—Uxbridge Organ, very handsome walnut case, 6 octaves, 13 stops, 5 sets of reeds, treble and bass couplers, grand organ and knee swell, mouse-proof pedals, etc., latest design and practically new 49 87 TERMS OF PAYMENT: We guarantee every instrument just as described, or it may be returned at our expense and money paid will be refunded. Organs under \$50.00, \$4.00 cash and \$3.00 a month; over \$50.00, \$8.00 cash and \$4.00 a month. Discount of 10 per cent. off for

expense and money paid will be refunded. Organs under \$50.00, \$4.00 cash and \$3.00 a month; over \$50.00, \$8.00 cash and \$4.00 a month. Discount of 10 per cent. off for cash. Freight paid to any point in Ontario, and satisfactory arrangements made to other provinces. If monthly arrangements are not convenient, quarterly or half-yearly payments can be arranged to suit. During a business record of fifty years we have never been known to violate a single promise sale.

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THE FARMING WORLD

Fruit and Vegetables

Celery Storage

Although so much is written on the management and storage of celerv, yet it is advisable to occasionally review, that we may omit no necessary detail and may add to it some newly acquired information-the experience of others.

The c-leaver of p is an important one to the gathern, but from lack of knowledge, or wisdom in using it, the most probability are not obpresent over 11 celever is to be present over 11 celever is to be the figure 10 hours of the lead an upright file and be in prime conducting to fing a string at the same upright file and be in prime conducting the same variable with the same upright file and be in prime conducting and more variable up of the same upreal more variable moment it is safer

For the early market, it is safer and more profitable to blanch with boards, especially so if they are on hand from the hot-beds and coldframes

Trames A wide board on each side of the row, held together at the top edge by a cleat or bent wire will, in a couple of weeks of good growing weather, give excellent celery for market.

a creat of here will, in a couple of weeks of good growing weather, give excellent celery for market. Part of the crop can be banked repeatedly and kept in the field till Christmas. This is a valuable way to treat a late crop, which thus acquires its most speedy and succulent growth and can be marketed from the field. The extra labor in banking is offset by the saving of labor in storing and in storage space. But this highlyblanched product will not keep so well in storage.

It is generally conceded that three most important requirements for successful celerv storage are : healthy stock, properly prepared, proper storage conditions; dark, cool, bottom moist, top airy and dry, and subsequent care m ventilation and temperature, depending on the manner of storage:

For home use a lew dozen plants can be neativ kept in a box or a half barrel. The plants are taken up with some roots and carth adhering (the more the better), the poor leaves and stalks trimmed off, and then set in the box in a few inches of soil. If a few holes are made in the side of the box, a few inches from the bottom, some water may be poured in occasionally, and the roots watered without wetting the tops. This box or tub set in a cool, dark part of the cellar will prove very satisateory.

For general storage the celery is banked once or prhaps only induced banked once or prhaps only induced banked once or prhaps only induced there is any freezing weather, although ordinary light frosts do not usually matter. A few furrows are plowed from each side of the row, and the remaining earth carefully knocked away. A sharp spade is then forced hereath the plant a sufficient depth to leave a few inches of solid earth and root to the plant, and a east he plant sufficiently to be taken up. When the useless stalks and leaves are trimmed off, the plants are ready for storing.

The plants are set in an upright position in cellar or pit and soil packed about the roots, but none against the stalks, and moderately close together allowing a circulation of air.

A favorite method in some gardening sections is to dig trenches in well drained land, one foot wide, and deep enough that the celery tops will be level with the surface. A sort of trough, made of two hoards nulled together, is in the pproach of very tracker, the null separation of very tracker, the most serve stopped up, and the whole covered with soil, coarse manyre or hay, to keep out the frost. Wider trenches are also employed, requiring gracter care. The hot-bed pit may be cleaned out and used, and the whole transe covered with shutters and boards, and made frost-proof later on

When storing in wide trenches or cellars, it is necessary, as a support, and also as a convenience in storing and removing, to fasten boards a few leet apart and parallel, the upper edge about level with the tops of the celery, and laths takked across them at intervals of perhaps two leet, the latter being placed as the celery is being packed.

Subsequent care requires that the pits or scillars be kept ventilated to prevent rot, and that the temperature be uniform, about 35 to 40 degrees being about right. Blanching may be hastened and the product better fitted for market by raising the temperature.

The best stored celery I ever saw was some I kept in a cool, dark and well-ventilated cellar. The floor was the solid rock, which was continually wet, the more so after each rain. The celery made a rapid growth of the choicest quality and was sold in prime condition at the highest price.

8

The Fruit Inspectors Busy

Mr. J. J. Philp, Dominion Fruit Inspector at Winnipey, will address meetings at Chatham, Burlington, St. Catharines, Walkerton and other fruit centres regarding the Western market for Eastern fruit. Full instructions will be given regarding the quality of fruit and shape of packages wanted in the West. After the meetings are over Mr. Philp will do inspection work through Ontario and at Montreal. Mr. J. F. Scriver, Montreal Inspector, will take his place at Winnileg.

peg. Inspector Vroom, of Nova Scotia, who has just returned from Great Britain, where he went as a member of the Bisley team, will continue his work in Nova Scotia.

of the Bisley team, will continue his work in Nova Scotia. Mr. A. McNell, Senior Inspector, will have charge of the Fruit Divisions exhibit at the Toronto Industrial, where he will conduct packing demonstrations.

The first shipment of American Duchess apples of this season's growth arrived at Glasgow on Aug. 3rd in good condition. They sold at prices ranging from 12 to 21 shillings.

e:

Ontario Crops

The Ontario crop report, based upon returns received by the Department of Agriculture, under date of Auguat 1, corroberates in a marked degree with the estimate of Farm Waworcoped August ist. Some yields of fail wheat are reported of from 40 to 50 bushels per acre, and a good average yield is assured. The Hessian Flv was reported in several counties, but the damage from this pest was on the whole slight. The average yield of spring wheat will be a larly large one. There was a large acreage of barret will be very large, and the samots will be very large, and the sam-



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September 1, 1903.

September 1, 1903.

pls good. There has been considerable lodging owing to heavy rains during the past week or two. Very little rye is now raised for grain, it being either ext green or plowed under. The crop is uneven both as to yield and quality. Reports show that the latter is again changing from the flat or grass to the common round pea. Though there are irequent complaints in regard to the pea weevil, many report very good crops, and there all outlook for the pea torp is more encouraging than for the past two years. The hay and clover crop has pulled

The hay and clover crop has pulled op wonderfully, and the average yield will be good, especially of timothy. The corn crop is rather uneven. Fodder corns were reported as being in rather better condition than those varieties raised for grain. The bean crop is confined mainly to Kent and adjacent counties. The prospects are for a more than average crop. There is a promise of the best yield of potates Ontario has had for years. The only fear now is loss from rot, should it keep wet. The mangel crop varies very much, some speaking of it as having to be plowed up. Turnips promise a large crop. The sugar beet crop is reported backward and hardly up to the average for the time of the vear.

In the western half of the province apples are not up to the average either in yield or quality, but most of the reports from Toronto East speak favorably of this fruit in both respects. Wuster apples will be relatively scarcer than the earlier sorts. Scab and blight are reported from several sections. Pears are below the average. Plums are an abundant crop. Curculio and rot are reported from several districts. Peaches are yielding well, especially the later varieties. Grapes will be a medium crop. The season has been a favorable one for bees and honey, and an average yield of about 55 pounds per colony is reported for the province.

season has been a favorable one for bees and hower, and an average yield of about 55 pounds per colony is reported for the province. The early part of the season was most unpromising for pastures, but frequent rains later on brought them incok are in correcondinyl peod trim, having suffered from little but the horn fly, which, however, appeared later in the season than usual. The flow of milk has been large, and the output of the dairy is good. Farmers are favoring the cheese factory more than the butter factory. There is every prospect of an abundance of all kinds of fodder for fall and winter keep.

There has been a scarcity of farm help during the rush of work. Harvest wages ranged from \$1.25 to \$2.00 a day, the average rate keing about \$1.50 with board. Monthly wages ran all the way from \$200 to \$40.00 and, in a few cases, as high as \$45.00, theprevailing quotations being from \$25.00 to \$20.00 with board. By interchanging labor and by the use of inverse greatly assisted in their work. In many sections farmers are much behind with their work because of the scarcity of labor, and others have had to let intending building improvements lie over.

.

Live Stock Exports

For the week ending August 23rd last, Robert Bickerdike & Co., Ltd., report a total of 7,460 cattle and 3,593 sheep shipped from the port of Montreal to Great Britain.



The Celluloid Starch package is large but the amount of work it will do makes it seem normous. That's one of the advantages this starch has over all others, it requires a smaller quark by to do more and better work.

Celluloid Starch gives a limber lasting stiffness that will not crack. Ask your grocer for it—if he hasn't got it he can get it,

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bought is any stere for isse than 50c. At 35c yro can cell verty one in isse than an hour. Mise Tho Mann, Thesashon, Ont, writes: "I received my gold watch and an more than pleased with it. It is simply beautiful. I never expected to get such a grand piese for no little work. I a watch any freedo which it is paod and it honge splerid it is never any indication. The work that has the work to a six you it is not a watch in the with the little work to a six you

looks worth \$50,00 no: heper spindlift time. It is a work any person work of the original prior for on the work allahds, Bar, Toronio, writes: "My works is a beauty. All my friends think it is grand and it heper spilerist no, be it tools accelvities and its god weak." It is not a work like with the shifts work we sak you do? Write us to-day and we will made by Fictures postplate. Address-THK COLON IAL ART CO., Dept. 319, TOBRONTO,

September 1, 1903.

New Idea for Fall Fair Managers

As the season of fall fairs draws near directors of agricultural societ-ies everywhere will be on the lookout for new and attractive features to be added to the programme of events. A great deal has been said and written about the decline of the fall fair much of which was doubtless deserv fair. much of which was doubless deserv-ed. Now that a good many societies are making an earnest endeavor to improve their fairs by the introduc-tion of educational features, it will of place to once more not be out draw attention to the exhibition at Whitby, which the Dominion and Pro-vincial Departments of Agriculture

vincial Departments of Agriculture are striving to make a model for others to follow. The Whitby Model Fair will, of course, have the services of expert judges, who will explain the reasons the their designes in the reasons for their decisions in the ring, and give addresses on the best types of horses, cattle, sheep, and swine. In this way the judging is made an eduthis way the judging is made an edu-cational feature instead of being merely an allotment of premiums by men who are often incompetent or biased in their judgment. The advantages of the expert judge system have become so apparent that this year over 150 fairs in Ontario alone are to be supplied with judges by the Pro-

be supplied with judges by the Pro-vincial Department of Agriculture. Another feature of the Whitby Fair which is worthy of adoption by all agricultural societies, but which only some half-dozen have yet taken up, is the series of wilustration plots laid out on the fair grounds. These plots are in excellent condition at Whitby this year, and will form an interest-ing and instructive exhibit of the best varieties of grasses, clovers, millets, sorghums, corn, fodder and pasture crops, turnips, mangels, and sugar beets

the Whitby board will this year at-The Whitey board will this year at-tempt to combine amusement with in-struction by holding a gymkhana, or series of games on horseback. It is a lamentable fact that horseback riding almost unknown in Canada, and 18 is almost unknown in Cancor, and that the saddle is rarely seen on a Ganadian farm. We raise hundreds of good saddle horses, for which there is a good demand at high prices, but these horses are sold by the farmers these horses are sold by the farmers prartically unbroken, and the middle prartically unbroken, and the middle-man finishes them for market and gets the cream of the profit. This is why an attempt is being made to interest our people is the pleasures of the saddle. The events to be put on the beaution which the desire in the gymkhana at Whitby, to dem-onstrate skill in the saddle, are as follows: --Polo pony competition, walking race, obstacle race, potato race, bonnet and skirt race, ginger ale race, bonnet and skirt race, ginger ale race, polo pony scurry, nomination race, and high jumping competition. Good, clean, amateur sport will be encouraged as much as possible in order to attract the young people and get them interested in the fair. Tage to more how the been created here.

of-war have been arranged between teams from the different public schools, the high schools and collegi-ate institutes, and the different schools, the high schools and collegi-ate institutes, and the different townships. Prizes are also olfered for the championship of the county in various athletic events, and in all round athletics. But it is not intended to allow the amusement features to overshadow in

any way the educational part of the programme. Demonstrations of agriprogramme. Demonstrations of agri-cultural processes will be very much in evidence. A model kitchen and dining room will be shown in opera-tion, with exhibitions of cooking dining from will be shown in opera-tion, with exhibitions of cooking simple dishes and addresses on do-mestic economy. Desirable and unde-sirable types of fowls will be shown, with lectures on the fattening and chickens for the British market, exhibitions of killing, plucking, packing for export. Practical de packing for export. Practical dense strations of the proper packing of fruit for export will be given by expert packers, and every effort will be made to minister to the wants of those who are looking for information will prove of practical benefit that

That the children may be instructed as well as amused, prizes will again be offered to the teacher and pupils of be othered to the teacher and pupils of a public school section making the best exhibit of --Cut flowers, grown in the school grounds; grain in the straw; clovers and grasses; roots and vegetables; fruits; wild flowers leaves of trees, pressed and mounted weeds and weed seeds; beneficial and seeds; beneficial and This year prizes are also offered for the best essays on the wild flowers, and weeds, insects, and grains, grasses, weeds, insects, birds of the locality. Every fair board would find it

ad vantageous to put on some of these prizes for school children's exhibits, full particulars of which may be ob tained from Mr. F. W. Hodson, Liv Live Stock Commissioner, Ottawa, who is devoting a great deal of energy to the improvement of Canadian fairs

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Live Stock at St. Louis

The Jersey, Shorthorn, Brown Swiss and French Canadian Associa-Brown Swiss and French Canadian Associa-tions have already entered in the dairy test. Entries will be permitted from individuals on behalf of other breeds if received before December 1. will be awarded to herds and Prizes to individual cows, and entries of from five to twenty-five cows may be made by representatives of any The same cows may compete breed. for herd and individual prizes

The tests will continue 100 days, beginning Monday, May 16, 1904, and will be conducted in four classes, designated as Tests A, B, C, and D Test A is for the demonstration of of the economic production of butteriat and butter: B, of milk for all pur-poses related to dairying; C, of all the products of the cow, and D, for demonstrating the greatest net profit in producing market milk. In Class C the calf will be judged for its beef merits. A cow may be entered in more than one class.

Copies of the rules may be had by applying to F. D. Coburn, Chief of Department of Live Stock, World's Fair, St. Louis, Mo.

No charge will be made for entries stalls or pens in any division of the Exposition live stock shows. This applies as thoroughly to poultry, applies as thoroughly to poultry, pigeons and dogs as to horses, cattle, sheep and swine.

All prizes will be awarded on the ne judge system. Judging will be by comparison throughout

At St. Louis in 1904, \$250,000 will be awarded in cash prizes for live stock, divided as follows : **

	A = Horses,			
	Jennets and	mules \$	93,640	
	B-Cattle		64,030	
Division	C-Sheep and	goats	42,809	
	D-Swine		32,186	
Division	E-Poultry (\$11,786)		
Pigeon	s and pet stor	k (\$4		

214)	 	 	16,000
Division F-			7,500
Prospective			
hibits	 	 	3,835
		-	

Total \$260,000



Borden and the series of the s



this Engine, but write us at once we shall have a letter from you ju Address THE COLONIAL ART CO.

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gold filled, gus he opals are are beautifull rings. re superior quality, solid g for five years and th not imitations, and is style of the most costly opular than the opal. I 'n everyone blence light shines upon it.

the transmitted cohere of the transmits, right, applicits, the injert shares upon it, and when all the onlyst band transmits, the effect is most segatificant and injert port of the segment of the shares of the second segments and the second segment of the second segments and the second segment of the second segments and the second secon

The Sugar Beet World

Devoted to Sugar Beet Culture in Canada

Sugar Beetlets

Four beet sugar factories were built Ontario last year at a cost of \$2.500.000

\$2,500,000. 15,000,000 pounds of granulated su-gar was produced in Ontario last year from beets grown in the province. Over 5,000 farmers are engaged in

raising sugar beets for the factories this year

Ninety per cent. of all the sugar consumed in Canada is manufactured from beets.

The Globe of June 20th, 1903, says The Globe of June 20th, 1903, says: "The Canada Sugar Refining Com-pany has already received one cargo of raw material from Demarara this season, practically the only cargo of raw cane sugar received by them in the last four years. Another cargo is expected to arrive within a few days and a third is on the way. During late years most of the raw material has been imported from Germany." The "Made in Canada" sugar is the equal of any sugar ever sold in this

country. Mere prejudice should not prevent mere prejudice showid not prevent you from patronizing home industry No crop will pay the farmer so well as sugar beets if he is in close prox-imity to a sugar factory.

The crop succeeding a sugar beet crop will be the best ever grown up-on that particular piece of land. excellent

The refuse pulp makes excellent stock food and is fed by the farmers

stock jood and is led by the farmers in Waterloo County very extensively The Dresden Sugar Co. is putting in machinery for drying sugar beet pulp and expect to put the product on the market this winter. Improved machinery is now taking

the place of a great deal of hand work in the cultivation of sugar beets

The secondary advantages of a suar beet crop are almost as great as gar beet cro the primary

Plenty of seed and thorough cultiva tion is the secret of success in sugar raising beet

Plenty of capital is necessary to the successful operation of a beet sugar factory. It should not be less than \$600,000 cash. .

Sugar Beet Crops

From the sugar beet growing sections of the province glowing reports ther has been ideal, just sufficient rain has fallen and the general condi-

tions are such as to make the crop most satisfactory. In the Berlin dismost satisfactory. In the Berlin dis-trict farmers have had no difficulty in handling the crop this year, and find the expense of thinning and weeding the expense of thinning and weeding about one-half of last year, and the crop is fifty per cent. better. The same conditions exist around Wallace-burg and Dresden and other sections where beets have been grown for more than one vear. About 1,500 acres are under cultivation in the vicinity of Whitby, Lindsay and Peterboro, and the farmers are enthusiastic with Whitey, the farmers are enthusiastic with the farmers are enthusiastic Machinery to a large extent is taking the place of hand work, so that the ques-tion of labor is not the great bug-that it has been. The most place of hano-tion of labor is not the g-bear that it has been. The most notable work done by machinery is that of Mr. Jacob B. Shantz, who has invented a machine for bunching and thinning. Mr. Shantz, who has 25 acres under cultivation for The Ontario Sugar Co., has done the 25 acres under cultivation for The Ontario Sugar Co., has done the work of bunching and thinning for 50.00 as against hand work of \$116.00, a saving of \$55.00 on 25 acres. In and around Baden, where beets are being grown the second year, the farmers are much better pleased, with the results and report pleased with the results and report doing the work for less than half the price that it cost them last year. The same reports come in from all other sections, and it has put the venture of growing sugar bects beyond ques-tion. The farmers now are being thoroughly satisfied as to the profits of the business. The crop is "laid up," no further working being neces-

sary until time for harvesting

Sugar Beet Progress and Development

The past year has shown wonderful velopment in the beet sugar indus-yelopment in the beet sugar indus-y. Four factories have been erected a cost of two million and a half of development trv. at dollars, and have run through very successful campaign, producing over 15,000,000 pounds of standard granulated sugar, amounting in value to over \$600,000, besides producing a large quantity of brown sugar which will be converted into white granulated sugar during the next season's lated sugar during the next season's operations. Over 5,000 farmers were engaged last year in the cultivation of sugar beets for factory purposes, operations. of and this year will show a very large increase in the quantity of beets grown. To operate the factories to

their full capacity requires not less than 50,000 tons of beets for each factory. The average amount required being 600 tons of beets per day.

e large amount of money required The large amount of money required for the building and operation of a beet sugar factory will deter many from being erected, although the Do-minion of Canada could sustain at least twenty-five factories had they the entire market for the home-produced article. Unfortunately for the industry the export bounties given by foreign countries has enabled the pro-ducers of foreign sugar to ship their ducers of foreign sugar to snip their product into Canada at less than the cost of production, the producers of the foreign article relying upon the export bounty for their profits. It is of the It is considered, however, that the surtax placed by the Dominion Government upon articles of German manufacture and the action taken at the Brussels Convention to cut off export bounties, will have the effect of stimulating the sugar market in this country and sugar market in this country and make it possible for more beet sugar factories to be erected and successful-ly operated. Nimety per cent. of the money invested in sugar factories in Canada comes from Michigan capitalbeing so has Canada comes from michigan capital-ist. The sugar business being so highly successful in that state has induced these parties to invest their money in Canada, the conditions of soil and climate being so nearly identical, that they are satisfied the busi-ness could be made even more profitable than in Michigan, were the price of sugar about the same. Sugar in Canada at the present time is nearly eighty cents per hundred pounds less than in the United States.

Two new factories are now under Two new lactories are now under construction, one in Alberta, N.W.T., and the other at Peterboro, Ont., the former being built by E. H. Dyer & Co., will be ready for operation for present season's crop. The latter, the under contract with The National Construction Co., will not be ready until the season of 1904. Several until the season of 1904. Several other companies have secured charters, namely,—The Keystone Sugar Co., of Whitby. The Newmarket Sugar Co., and The Walkerton Sugar Co., but no active work is being sone, as they are waiting further development and en-couragement by the factories at present erected.

The farmers growing beets this year The native's growing beets chi syear are much better satisfied with the outlook of the crop, and are satisfied the business is here to stay. They have had less difficulty in working the crop the second year, and it is thought that there will be no further difficulty in the factor is exercised. difficulty in the factories securing all the beets that they require for suc-cessful operation. The towns in



The Ontario Sugar Company's Factory at Berlin, Ont.

which sugar factories have been built are more than satisfied with the pro-position and do not regret the enposition and do not regret the en-couragement by way of a bonus given the different factories, and would cheerbully, if it were necessary, give further encouragement rather than lose the industry.

Skill in Bee Culture

In company with Dr. Shuttleworth, drove through the Township of Waterloo on July 31st, inspecting the sugar beet crop. I was delighted with the appearance of the crop with the appearance of the crop and the care and skill displayed in the management of the many fields. The lirst farmer we called upon (a Mr. Jacob Shantz) near the town of Berlin, has twenty-five acres under culin, has eventy-rive acres under cur-tivation, presenting a luxurious growth, and not a weed to be seen in the whole field, which, I may say, in passing, was the characteristic of all the filds, being a marked contrast to the appearance of the fields at this time last year. Mr. Shantz being amongst his crop as we drove by, we availed ourselves of the opportunity of interviewing him in regard to his mode of cultiva We were informed by him tion. etc. that he is the inventor and patentee. I believe, as well, of a machine blocking the beets, which reduces that part of the work to a minimum. The whole cost of thinning the crop of where cost of thinking the crop of twenty-live acres was \$03.00, or about \$2.25 per acre. We also met several other farmers who had used the machine, and who spoke highly of its merits I understand the machine its merits. I understand the machine will be placed upon the market the following season, and will, no doubt, meet with a ready sale. But in every case where the whole work was done by hand, I found that after last

year's experience, the cost of thinning was very considerably reduced with five or the exception of one patch of six acres, where seed failed to ger-minate for about a month after it was sown, on account of the drought Wallace, James

Waterloo Co.

Better Grain Crops After Beets

The experience of many farmers in Waterloo County is that grain crops do exceedingly well after beets, thus showing that the sugar been not so exhaustive on the beet soil as many believe. Farmers who have been feeding beet pulp to their cows this summer find that the flow of milk is very greatly increased there-by. Both cows and pigs eat it with relish, and thrive well on it.

Village Labor for Thinning Beets

The town of Mitchell in the County of Perth is surrounded by a soil splendidly adapted to the production of sugar beets. It is also a convenient and economical point from which to ship beets to the Berlin sugar factory because it is immediately surrounded by sugar beet land, and it is within the fifty mile distance from Berlin

In March last I spent two days at Mitchell, and among the farmers within a three miles' radius of the of the within a three mines characteristic town. Every farmer had the one complaint of the almost entire ab-sence of farm labor. The Mitchell authorities and leading citizens be-lieved it impossible for the farmers to procure any help on the farms. Therefore, one and all said, "while it might be a very good thing for Mitchell and her farmers to grow sugar beets, the absence of labor makes it impossible

On "April 2nd, following, William

Weir, of St. Mary's, with his ener-getic foreman, R. T. Swales, went there to rent land on which to grow went to grow sugar beets for the Berlin factor believing that Mitchell possessed a cerheving that mitchell possessed a cer-tain amount of labor which could be utilized. He was told at Mitchell that it would be impossible to pro-cure help. Nevertheless, he proceeded to rent land to the extent of sixty acres, which was prepared for beets, acres, which was prepared for beers, and on which sowing began on May 6th, and concluded on June 3rd. When thinning was commenced, May 23rd, he was able to hire 15 men in Mitch-Each day the number offering to 60 hands worked daily, and still more applied for work, but were not needed.

Beside Mr. Weir's acreage, some ten farmers, taking courage, sowed from one to three acres each: yet there were hands enough to clean all the

A Perth County Farmer

Advantages of Trained Help

It pays to secure the same help for eet thinning year after year. After having spent one season at the work the laborer is much more skilled and is able to do the work with greater despatch and neatness. Of course it is not possible always to do this, and new recruits must be worked in every year. Where practicable the same help year, where practicanie the same help should be secured for thinning the crop as had done the work the pre-vious year. There will be a great sav-ing of time and money in doing so.

Abundance of good fruit, eaten at the proper time and in the proper way, is one of the best tonics to be had

Another Prob Knocked From Under Him

OUR "would be competitor," the DeLaval Separator, in his efforts to counteract the fact that the U.S. Separator is the better skimmer, has tried various schemes to prop up his trembling frame and waning popularity.

He used to try the "Churnability" bluff, but this prop was knocked out long ago; then he howled about flushing the bowl with hot water, but the U. S. corrugated cups quieted him on that ; and lately it has been the "cold skimming" dodge whenever he has run up against the U. S., but alas this also has been knocked from under him, so that now about all the prop he has to lean on is that of " bluff."

That readers may fully realize how little ground there is for advocating cold skimming, we give below a portion of an article that appeared in the June 18th issue of The Kansas Farmer, headed "Abuse of a Hand Separator," by Prof. Edw. H. Webster, formerly of the Kansas Agricultural College and now one of the Government Dairy Inspectors :

"Other abuses were in time met with in the tendency of "Other abuses were in time met with in the fendency of agents to follow method that would be condemned anywhere else. One of the principles of separation understood by all creamerymens is that the warrow method with the more complete the separation. Yet agents will run cold milk through just to beat the other fellow. This is wrong for warous reasons : "In the first place, the milk should be skimmed when warm in order to get the beat separation of the cream.

"It should be skimmed when warm in order to give the calves and pigs the warm skim milk, and "It should be skimmed fresh from the cow in order that

the cream may be quickly cooled to prevent the development of bacteria.

"Everything is against cold skimming and in favor of warm skimming, and the tendency of these contests is to give farmers erroneous ideas in regard to the hand separator."

What further evidence is necessary to convince you that the DeLaval has to depend on other things than its merits to sell its goods ?

> The U. S. Separator skims cleaner than any other separator on the market at any temperature from 70 degrees to 156 degrees at proper adjustment. The Official Bulletin No. 123 of Kansas Agricultural College, dated May 26, 1903, states that

The U.S. excelled all others in tests of skimmed milk and in minimum total loss.

The other Separators in the contest were DeLaval, Empire, Sharples' Tubular, Iowa Daisy and National.

The U. S. Separator Holds World's Record for Clean Skimming.

VERMONT FARM MACHINE CO. - - Bellows Falls, Vt.

September 1, 1903.

The Farming World

CANADIAN FARM AND HOME.

I W WHEATON B. A. Editor

- The Parming World is a paper for farmers and stockmen, published on the 1st and 15th of each month, with filustrations. The subscrip-tion price is one dollar a year, payable in ad-

- The motor, wild illustrations. The subscrip-tion. In the second set of the probability of the second set of the second set of the probability of the second and the second second set of the second second second second and fifty cents for postage. Second second

DOMINION PHELPS. LIMITED.

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***** OUESTIONS AND ANSWERS *****

Spletz

A correspondent in Quebec asks for information about speltz.

Speltz is a plant very much resem-bling wheat in its habits of growth, though unlike wheat the chaif adheres to the grain when threshed. For this to the grain when threshed. For this reason it cannot, be used for flour making, but is imitead a food for stock. The straw & shorter and stif-fer than wheat, less liable to lodge and rust, while it yhd(s much, larger. It is sometimes used as a folder plant when cut green and cired, though it thay not have any advantage over any of the cereals for this purpose. Under favorable conditions it will yield from 55 to 60 and over bushels per acre of threshed grain. It weighs about the same as heavy oats. Its feeding value is quite similar to that of oats, the being richer in protein but speltz being richer in protein but lower in fat. It is palatable, and some farmers in Ontario who have grown it praise it highly as a stock food.

. Splints

Kindly tell me how to remove

Kindly tell me how to remove splints. I have a horse two years old that has a splint on each front leg just below the knee —J. F. C. About the best thing to do is to give the horse absolute rest. Apply cold water and wet bandages to the narts. When inflammation scheides When inflammation subsides parts. clip the hair from parts affected and blister with a mixture of one drachm of binidide of mercury in an ounce of banidide of mercury in an ounce of lard. Do not wash it off, but in three days commence rubbing slightly with lard once daily.

. A Stump Sucker

C. 1.0 A

A difficult operation requiring the services of a skilled veterinarian sometimes helps, otherwise very little

can be done. A strap buckled tightly around the neck just back of the ears sometimes helps. It would also be around the neck just back of the cars sometimes helps. It would also be well to keep the mare in a box stall from which exerviting has been re-moved upon which she could set her teeth or chin to practise the habit. She had better not be used for breeding purposes.

Stiff Tail

I have a cow six years old weigh-ing 1.750 lbs that has lost the use of her tail. She can move it a very lit-it, The tail seems thin, and you can see the joints plainly. The cow is in good condition and milks very well—J. M. K. The tail is naralward due to a blow

The tail is paralysed due to a blo The tail is paralysed due to a blow or injury, and for which very little can be done other than giving pow-dered nax vonica in the feed three times daily. Give a half drachm at first and gradually increase the amount until the muscles are seen to twitch involuntarily, at which stage go back to the first dose and repeat, it necessary. if necessary

Thumps in Pigs

I have some pigs about three months old. Two of them have re-cently been attacked with thumps. The pigs are not fat, only in fair condition. Can you give a remedy?— P P

Thumps are due to overfeeding pigs Thumps are due to overleeding pigs weak by reason of hereilty and are preventable, but difficult to cure. Stop all grain food and substitute alop of milk, middlings and dried blood meal in which mix freely lime water. Try a dose of castor oil or epsom sails to move the bowels, and when physic has operated, follow with fifteen drops of tincture of opiwith fifteen drops of tincture of opi-um and digitalis alternately every four hours until symptoms are re-lieved. To prevent thumps look to sanitary conditions. See that the pigs are kept in a drv place with pure air and don't feed too heavily on grain food.



In this column will be answered for In this column will be assured for subscribers, treeo (harge, questions of law. Make your questions brief and to the point. This column is in charge of a completent lawyer, who will, from time to time, pub-lish herein notes on current legal matters of interest to farmers. Address your communications to "Legal Column," The Farming World, Toronio.

SOME POINTS OF LAW TO REMEMBER

The lawyer who is asked to give a priori advice which will guard against all sorts of business difficulpriori ties, and to prescribe courses of con-duct for every contingency arising in daily life, has an impossible task set before him. Nevertheless there are certain species of frauds and impositions perpetrated on farmers which reappear with periodical regularity, and there are certain business transac-tions frequently undertaken by them with reference to which it is not im-possible to lay down some general rules

LINE FENCES

It is probably useless here to add It is probably useless here to add anything to the volumes of literature warning farmers against these silly disputes. We have in our mind at this moment the case of a man who "litigated" himself out of house and home over a useless foot of land, But it is needless to multiply such in-



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position, pract or regression add high phi-represent add high phi-transmittant and the phi-transmittant add the phi-rest add the phi-phi phi-transmittant add the phi-phi phi-phi phi-transmittant add the phi-phi ph

You will profit by mention-ing THE FARMING WORLD when writing advertisers.

stances; in view of all that has been stances, in view of all that has been written and said on this subject we need only repeat here that a farmer threatened with such a difficulty would do well not to approach it in the uncompromising spirit which is so often exhibited, and he should reso often exhibited, and he should re-member that by conceding a little of what he considers his just rights he will, in the great majority of cases, gain more by securing amicable rela-tions with his neighbors than he will here in least lose in land.

REPRESENTATIONS OF AGENTS

It is the business of the agent, by the persuasiveness of his tongue and by his laudation of the article which he has for sale, to induce you to pur chase it even against your prior, un chase it even against your prior, un-alterable (as you thought) deter-mination to have nothing to do with it. But when he has finally persuad-ed you, he produces a printed contract for you to sign, which contract it is your duty to carefully read over, as you should read everything before signing it. In nine cases out of tem you should read everything before signing it. In line cases out of ten you will find therein a statement that the principal will not be bound by any representation made by the agent any representation made by the agen and not contained in the written con tract. If you sign this you wil not afterwards be entitled to will take advantage of any special condition or representation made to you by the agent, and even if the writing does not contain the above provision, the written contract will be taken to the written contract will be taken to be the agreement, and if you wish to escape you will have to show fraud on the part of the agent, which is always a very difficult thing to do.

PAVING AGENTS

In connection with the subject of agency, it may be well to warn the farmers that an agent with authority larmers that an agent with authority to sell has not necessarily authority to receive payment Indeed, the con-trary is quite frequently the case. Accordingly, before paying the agent for what you have purchased, you should be thoroughly satisfied that he has authority from his principal he has authority from his to receive payment, other may have to pay over again otherwise you

FARM CROSSINGS AND RAILROAD FENCES

Q. The railroad runs through my place and is graded up verv high. The grade is so steep that it is very difficult to get over with loads : Can I complet the railway to make a gradual approach? I have purchased a proce of land adjoining my farm, can a competence of a statistical to make a gradual approach? I have purchased a piece of land adjoining my farm, along which the railway company have a barb wirre fence which is in very had shape. There is no board at either the top or hottom, and only tine wires and some of these broken 2. Can I make them fix the fence, and can I make them its the fence, and can I make them erect a fence with-out barb wire? 3. If my stock gets injured on the barb wire fence, is the railway company responsible? 4 Who should I notify to fix the fence or grade the road? A. I. The Act provides that the

A. 1. The Act provides that the crossing shall be convenient and proper for the passage of farmers' carts, etc. A rise of one foot in twenty is prescribed in the case of a highway Probably that would be regarded as Probably that would be regarded as proper for a farm crossing: 2. The fence should be of the height and strength of an ordinary division fence. The company will have to maintain the fence in a proper state of repair. You cannot compel the company to use other than barb wire, 0.5 since that is a kind of fence in ordinsince that is a kind of lence in ordin-ary use amongst farmers. 3. If your cattle are injured owing to the non-repair of the fence you will be en-titled to damages. 4 Send the notice to your local agent.

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If you do, just send us yo ar name and adds and we will mail you postpaid 6 large beautifully and we will mail you postpaid 0 large beautifully coolored piteures, 16 x 90 inches, aamad "The Angel's Whisper," "Simply to the Cross 1 Cling," and "The Family Record." These pictures are all handsomely finished in 12 colors and cannot be bought in any store for less than 500c. You sell them for only 25c. and give a free certificate worth 50c to each pu chaser, return us the money and we will give you

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This buyers increased base dressed to disress pirms area, "Dolly has lowely long golden ringings, resp. checks, beautiful blue very shart op and shap. On that the greet to shap when you by her down and present dress, all times with the blue start and the start of t



chmen Sailors, H e to everybody. A great sou Measures ne at and Instr arly 3 ft them. We sold over 1.76 hed at their chespness. Willia ckville, N.B., writes : "ha well please Mch send me two more Telescopes. I am very m Alva Froom, Hockston, Ont., says: we times what I paid for it if I could not get another ttie Gil Gibson, Chilliwack, his size have formerly se aid. A Grand Barge if. I would not take turbe time was one brings objects miles away very noid at from \$5.00 to \$10.00. Our Special Introductory Press. Don't miss it. Mail Order Supply Co., Dept. 330, Fr.

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The Guelph Sale of Yorkshires

The big sale of Vorkshires held at Guelph on Aug. 20th last was not as well attended as its promoters ex-pected. There was a splendid lot of good breeding stock offered, which should have brought together a much larger gathering of buyers. Ev care had been taken to ensure Every care nau been taken to ensure the purchaser getting the right kind of stuff, and much credit is due the contributors, Messrs. J. E. Brethour, The Glenhodson Co., and G. B. Hood, for their efforts in this direction. Messrs. Geo. Jackson, Port Perry, and Thos. Ingram, Guelph, were the auctioneers.

However, the sale was in failure Though the a no a failure Though the attendance was small, the bidding was brisk, and over seventy hogs were disposed of in a few hours. There was an over supply of boars, and some of these were sacrificed at low figures though several good prices were ceived ceived. The 72 animals sold brought in a total of \$2,138, or an average of In a total of \$2,138, or an average of \$7,77 each. The highest price paid was \$175, by Wm. Jones, Zenda, Ont., for Oak Lodge Queen Bess 41st, larrowed in Oct., 1900, and bred by J. E. Brethour. She is a beautiful sow, of great length and depth, and of the type from which the highest class of bacon hogs are bred. She is a show sow, and was offered in show class of bacon nogs are bred. She is a show sow, and was offered in show condition. Her sire was a successful prize winner, and is a son of Oak Lodge Julia 7th, the sow that sold for \$325 last year. Her dam traces for \$335 last year. Her dam traces to Roval Queen (imp.) which won last at the Royal in England. Her grand size was Oak Lodge Conqueror, an unbeaten boar in the show ring Holywell Hewson (imp. contributed by the Glenhodson Co., did not bring by the Glenhodson Co., did not bring nearly his value. He sold for \$ or J. W. Callbeck, Augustine Cove, P. E.I., who secured a bargain. He has good length and depth, and is of good size. He was bred by Sanders Spen-cer, Holywell Manor, St. Ives, England, and was imported last year Though only one American bu

Though only one American buyer was present, several had sent in bids by letter. Mr. H. D. Morgan, of Mt. by letter. Mr. H. D. Morgan, of att. Morris, Mich., who was present, pur-chased several hogs at good prices, among them being Oak Lodge Pride 60th, hred by J. E. Brethour, for 560. The Willcox Co., of White Bear Lake, Minn., secured several show 560 The Willcox Co., of White Bear Lake, Minn., secured several show pigs, among them being Oak Lodge Charlos Stil, for 581, and Oak Lodge Cavaller 24th, for 57, Several were sold to 0. St. John Gilbert, of San Francisco, tog to Honolulu. W R. Johnston, of Clifford, Ont., was a large buver. J. W. Clarke, of On-ondaga. Ont. secured several. Includ-inw Oak Lodge Clara 34th, for 565. ondaga. Ont., secured several, includ ing Oak Lodge Clara 34th, for \$65 Dak Lodge Clara 39 Lodge Queen (imp.) sold to Currie, Morriston, Ont., for Millgrove, Ont. Oak Chas. Cu D. Chas. Currie, Morriston, Ont., for \$60. D. C. Flatt, Millgrove, Ont., bought several good ones of Brethfor 's breeding. our

our's breeding. From these prices it will be seen that some good figures were paid and that the demand for high-class York-shires is not on the wane. Had the sale been held at some other point than Guelph, the rank and file would have sold better. There have been several Yorkshire sales at Guelph the last few years and farmers in the: few years and farmers in that last last lew years and farmers in that district are well supplied, especially with boars, and do not buy unless they get a bargain, which some of them slid on the 20th. The following is a last of the sales bringing \$25 and upwards

CONTRIBUTED BY J E. BRETHOUR Purchased by H. D. Morgan, Mt. Morris, Mich.-Oak Lodge Pride 60th, farrowed Jan. 21, 1902, \$60: Oak Lodge Prudence (imp.), Jan. 4, 1898 \$50; Oak Lodge Butterfly 29th, \$30 4, 1898, \$50

Oak Lodge Mite 52nd, \$25. By O. St. John Gilbert, Honolulu-Oak Lodge Pride 61st, \$30, Oak By O. St. John Grider, Oak Lodge Pride 61st, Lodge Cinderella 129th, \$30

Lodge Cinderella 129th, \$30 By Owen Hifferden, Mir Lodge Cinderella 125th, \$26 By G. Raikes, Barrie, O Minden- Oak Ont. - Oak

Lodge Cinderella 126th, \$31. By F. J. Barber, Georgetown,

BV F. J. Barber, Georgetown, Ont. ⇒Oak Lodge Cinderella 127th, \$27. Ry D. C. Flatt, Millgrove, Ont.-Oak Lodge Queen Bess 44th, \$30; Oak

Lodge Cinderella 128th, \$30; Lodge Royal Princess 8th, \$25. Oak

Lodge Royal Princess 8th, 525. By W. R. Johnston, Clifford, Ont.-Oak Lodge Minnie 48th, 530; Oak Lodge Royal Princess 6th, 536; Oak Lodge Mite 53rd, 540. By Chas Currie, Morristown, Ont. Oak Lodge Royal Queen (imp.),

\$60

By Ino Hawkins Lavender Ont .--Oak Lodge Queen Bess 40th, \$46. By J. W. Callbeck, Augustine Cove, P.E.I.—Oak Lodge Julius 8th, \$41.

By Hon. Senator Owen, Montreal-Oak Lodge Julius 9th. \$35. Oak Lodge Julius oth \$is By Wm. Jones, Zenda, Ont.-Oak Lodge Mighton 20th, \$31; Oak Lodge Queen Bess stat. \$75; By W. W. Ballantyne, Stratford, Ont.-Oak Lodge Noviet 26th, \$31; Oak Lodge Mighton 21st, \$25; By R E. Cowan, Galt-Oak Lodge Pinh 38th, \$50; Cowan, Galt-Oak Lodge Pinh 38th, \$50; Batter Batter, Banetville, Ont.-Oak Lodge Better[19, 28th \$50;

By M. Metcall, Ennetville, Ont-Oak Lodge Butterflv 28th, 530. Bv Wilcox Co., White Bear Lake, Minn-Oak Lodge Pharos 8th, 581: Oak Lodge Cavalier 24th, 575. By J. W. Clarke, Omondage, Ont-Oak Lodge Metchley 17th, 533. Oak Lodge Clara 34th, 565. Bv J. A. McPherson, Pualinch Ont Bv J. A. McPherson, Pualinch Ont

A. McPherson, Puslinch Ont R. -Oak Lodge Queen Bess 46th \$27

CONTRIBUTED BY GLENHODSON CO

CONTRIBUTED BY GLENHODSON CO BY W. R. Johnston, Clifford—Oak Lodge Cinderella Itoth, \$40 By J. W. Callbeck, P.E.I.—Holy-well Hewson (imp.), \$50 By J. H. Grisdale, Ottawa—Glen-hodson Empress 8th, \$34.

CONTRIBUTED BY G H. HOOD.

By James Irwin, Eden Mills, Ont-Sunnydale No. 11, \$32; Guelph Beau-

ale ro. \$30. John Crosby, Guelph—Guelph ard Ry John

By John Crossby, Gueiph-Gueiph Constance, \$25. By C. C. Cook, Guelph-Guelph Beauty 2nd, \$25. .

Lime as a Fertilizer

One of the best farmers that I am acquainted with took me over farm recently, and pointing to a barn stated that it held 100 tons of hay, and to another that held 75 tons. He said : "I filled them both last year and I know that only for liming the land I would not have had more than 75 tons. Just think of it, 100 tons. 75 tons. Just think of it, iso tons worth \$800, for the lime I used! I had two crops of hay and six tons to an acre." Then he showed me two to an acre." Then he showed me two ten-acre fields, to each of which he gave the same cultivation, with this difference, that he put lime on one field but not on the other. The result was 26 bushels to the acre from the unlimed field, and 46 bushels from the other; zoo bushels of grain for the lime used, and the land left in a state to produce similar crops for four or five years more.

Ten bushels of slacked lime is suffi-cient for an acre. The lime should only be harrowed into the soil, not

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WE MANUFACTURE thirteen styles of Ince-bators and Brooders, and keep all kinds of Poultry supplies. Catalogue free. MORGAN'S INCO-BATOR WORKS, London, Ont.

EGGS, from choicest "utility" and "fancy" strains, Brown Leghorns, Black Minorcas, Barred Rocks, White Wynadottes. Circular giving particulars free JOHN B. PETTIT, Freidland, Ost.

WANTED-Energetic, responsible men to sell first trees, ornamestal trees, etc. Carvassing outfit firse Liberal pay weakly. A transuments made for whele or part times. We also have a special lise of seed potatom never before offered for sale in Canada. For best terms apply NOW. PELHAM NURSERY COMPANY, Toronto, Ott.

HIGH PRICES FOR POULTRY—We are pay-ing ISc. per Ib. for breakers or spring chickreas live or drawed, weighing between US, and 3% Has. each drawed, and the set of the set of the set of the expense and then set for less per pair and a set of give you for them now. Write us at once as the price will soon drop. CANADIAN PRODUCE CO. Toronto.

SOUTH DAKOTA. 160 acre farm for sale in Poter County, South Dakota, 110 acres under culi-vation. Good 7 roomed house. Price \$20 per acre. Would scchange for City property. Write for our list of farms. S. G. READ, Real Estate Broker, Brastford, Ont.

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SHORTHORNS-The beef and butter combina-tion. South collies from imported stock. Write for particulars. H. C. GRAHAM, Ailsa Craig, Ont.

FOR SALE, three extra good, registered Short born bulls, from eight to twelve months, two from the celebrated imported Scotch bull, jay Morning, the bighest priced to Juli imported to America up to 1800 These bulls are from good milking ccws. Any further nformation apply

A. McCLARY, Hillburst, P.Q.

ENSILAGE CUTTER FOR SALE: Will sell a Wilkinson Ensilage Cutter of large size, practically new and in first-class condition at a bargain. JOHN DUFF, Myrile P.O., Ont.



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September 1, 1903

plowed in. For your own experience try at least one acre and compare the result with the unlimed part; then you will know whether to continue its use in future or not W L. Sc Scutt

. Expert Judges at Fall Fairs

Below is given a list of the fall fairs which have joined the circuits to latts which have joined the circuits to be visited by expert judges sent out by the Department of Agriculture un-der the direction of the Supt. of Fairs. There are over one hundred and fifty in this list, or nearly one-half of the fail fairs held in the prov-verse. ince.

No. 1 Judges-Peter Christie, Man (horses); John Campbell e, (Beef cattle and sheep) John Campbell, chester Woodville Hallman, Breslau, (dairy cat tle and swine

The and asvine i Dates—Winchester, Sept. 3; Russell, Sept. 8: Newington, Sept. 9; Alexan-dria. Sept. 10: Vankleek Hill, Sept. 11: and 12: Ottawa, Sept. 14; and 15: Brockville, Sept. 16: Perth, Sept. 17; and 18: Lansdowne, Sept. 22: Almonte, Sept. 23: Renfrew, Sept. 24: Metail, Sept. 23: Renfrew, Sept. 24: Metail, Sept. 23: Renfrew, Sept. 24: Metail, Sept. 24: Metail, Sept. 26: Sept. No. 7; Judges—Alex, McLes, Steven non, Ancaster, (dairy cattel), Garnet Thompson, Henheim, (beef cattle, Sheep and swine).

Thompson, Blen sheep and swine

ford, Sept. 10, 400 String, Sept. 23, Campbelliord, Sept. 26, Shannonvile, Sept. 26, Shannonvile, Sept. 26, Ce Hill, Oct. 7, Castleton, Oct. 6, Warkworth, Oct. 8, Wooler, Oct. 9, Norwood, Oct. 44, No. 6, Judges-J. M. Gardhouse, A. S. Markworth, Sept. 30, Cent. 9, Norwood, Oct. 40, Norwood, Oct. 4

Oct. 9, NOrwood, Oct. 14. No. 31, Judges-J. M. Gardhouse, Weston, (horses); Alex. Smith, Map-le Lodge, (beef cattle and sheep); Wm. Jones, Zenda, (dairy cattle and

Dates-Ayimer, Sept. 10 and 11; Owen Sound, Sept. 17, Orilia, Sept. 19; Bohcaygeon, Sept. 22; Peterboro, Sept. 23 and 24; Cobourg, Sept. 23; Midland, Sept. 39; Barrie, Sept. 30; Dundalk, Oct. 1; Feversham, Oct. 32; Elmvale, Oct. 7; No. 4, Judges-T. H. Mason, Strat-fordville, (dairy cattle, swine and dairy nroutes).

No 4 Judges-1. H. Mason, Strat-fordville, (dairy cattle, swine and dairy products); E. Jeffs, Bond Head, (horses, beef cattle, sheep).

Tead, (norses, beer cattle, sneep). Dates—Rosseau, Sept. 22; Hunts-ille, Sept. 23; Stisted, Sept. 24; racebridge, Sept. 25; Sprucedale, ept. 26; Magnetawan, Sept. 29; Dates ville, Sept. 23. String Bracebridge, Sept. 25. Sprucedate, Sept. 26. Magnetawan, Sept. 29; Burk's Falls, Sept. 30. Gravenhursk, Oct. 1: Uterson, Oct. 30. Oct. 1: Uterson, Oct. 30. Cattle, abcep and cattle, abcep Catt.

Galt, (dairy cattle, sheep and swine): James E. Douglas, Galt, (horses and beel cattle). Dates-Port Carling, Sept. 22; Ems-dale, Sept. 23, Sundridge, Sept. 24;

dale, Sept. 23; Sundridge, Sept. 24, South River, Sept. 25; Bruce Mines, Sept. 30; Richard's Landing, Oct. 1 Sept. 30; Michard's Ländling, Oct. 2; Gore Bay, Oct. 2; Providence Bay, Oct. 5; Manitowaning, Oct. 7; Little Current, Oct. 8; Kagawong, Oct. 9; No. 6.—Judges—J. W. Clark, Onon-daga, (dairy cattle and hogs); Jao. Gibson, Denfield, (horsès, sheep and beef cattle).

beef cattle) Dates-Port Arthur, Sept. 30 and ct. 1; Laird, Oct. 5; Sault Ste.

Oct. 1: Laird, Oct. 5; Sault Ste. Marie, Oct. 6 and 7; Thessalon, Oct.

No. 7. Judges—S. B. Fuller, Wood-stock, (horses): G. B. Hood, Guelph. (beef cattle and swine): M Cum-mings, Guelph, (dairy cattle and sheep

Dates—Tavistock, Sept. 22; Palm-erston, Sept. 23; Wingham, Sept. 25; Tilsonburg, Sept. 30; Dunnville, Oct. 1. Brantford, Oct. 2: Waterdown, Oct. 6: Bowmanville, Oct. 7; Markham. Oct. 9. No. 8. Judges-Dr. H. G. Reed,





September 1, 1903.

Georgebourne (horses); "Andrew Whitelaw, Guelph, (beef cattle and sheep); R. H. Harding, Thorndale, (dairy cattle and swine); Dates-Durham, Sept. 22, Wilkerton Sept. 23 and 24; Harriston, Sept. 30; Wiarton, Sept. 29, Litcovel, Sept. 30; Andrew

wharton, sept. 39, Intower, sept. 39, Lucknow, Oct. 2; Gorrie, Oct. 3; Lion's Head, Oct. 6; Stratførd, Oct. 7; Teeswater, Oct. 8; No. 9, Judges-W. F. Kydd, Sim-coe, (horses); John Gardhouse, Highlield, (beef cattle and sheep); Highfield, (beef cattle and sheep); S. N. Culver, Simcoe, (dairy cattle S and swine)

and swine). Dates-Petrolea, Sept. 23; Wyom-ing, Sept. 25; Essex, Sept. 30 and Oct. 1; Wallacetown, Oct. 2; Florence, Oct. 3; Harrow, Oct. 2; Rodney, Oct. 6 or 10; Wallacetown, Oct. 8; Blen-heim, Oct. 9; Highgate, Oct. 13; Crewed Wallau (Art 4); 23; Wyom

Oct. 4. Harlow, oct. 7. Down, and a series of a series of a series of the series of G. Hanmer, Mt. cattle and sheep) Mt. Pleasant, (dairy

Dates-Whitby, Sept. 16 and 17 : ncaster, Sept. 23: St. Catharines, Dates—whitey, sep. 23 St. Catharines, Ancaster, Sept. 23 St. Catharines, Oct. 35; Cayuga, Sept. 30; Fort Erie, Oct. 3; Beamsville, Oct. 2; Otterville, Oct. 3: Onondaga, Oct. 6; Burlord, Oct. 7: Jarvis, Oct 8: Langton, Oct 10: Binbrook, Oct. 13; Welland, Oct.

Judges-Geo. Grav, New-horses) John Jackson, Ab-(sheep and swine); R. S. No. 11. castle, (horses); ington.

hgton, (sneep and swine), and brooks, Brantford (cattle). Dates-Chatham, Sept 23; Strath-oy, Sept. 24; Meaford, Sept 25; Dates-Chathain, Sept. 23; Btrath roy, Sept. 24; Mealord, Sept. 25; Berlin, Sept. 30; Watford, Oct. 2; Brigden, Oct. 6; Forest, Oct. 7; Al vinston, Oct. 8.

. Meetings at the Fair

The following meetings are to be held in Farmers' Institute Tent, Exhibition grounds :-Board of Control, Fruit Experiment Stations, 11 a.m., Sept. 9; Experiment Stations, 11 a.m., Sept. 9; Experimental Union, 2 p.m., Sept. 9; Turkev Club, 11 a.m., Sept. 10; Board of Directors, Canadian As-sociation of Fairs and Exhibitions, 2 p.m., Sept. 10. .

Live Stock for the Chicago Show

Live Btock for the Chicago Show The Dominion Live Stock Commis-sioner, Mr. F. W. Hodson, has receiv-ed the following special order provid-ing for the importation of Canadian cattle, sheep, and swime for exhibi-tion purposes at the International Live Stock Exposition at a Canadian cattle may be imported into the United States for exhibition purposes

United States for exhibition purposes at the International Live Stock Exat the International Live Stock 'Ex-position, to be held from November 28 to December 5, 1903, at Chicago, 111, without being subjected to the tubercuin test, provided thev are ac companied by a certificate issued by a Canadian official veterinarian stat-ing that such cattle are free from contagious diseases. And provided issued at the state is and the state and at the state is the state of the shall be returned immediately to Canada. Canada

Canada. This Department must be notified of any Canadian cattle that will remain in the United States, and the tuber-culin test will be applied to them by an inspector of this Department be-fore abipment to destination is al-based ed low

lowed. All Canadian cattle, sheep and swine intended for this Exposition must be shipped directly to the Ex-position grounds and not unloaded in any public stock yards. (Signed) Willis L. Moore, Arting Secretary, U.S.

Acting Secretary, U.S. Dept. of Agriculture. Washington, D.C., July 30, 1903.

AND CANADIAN FARM AND HOME



THE FARMING WORLD

September 1, 1903.



September 1, 1903

Our Fortnightly Market Review

The Trend of Markets-Supply and Demand-The Outlook

Toronto, August 31, 1903.

Country traders are ordering liberally for the fall trade, an indication that they have faith in the continued prosperity of the country. Orders from Manitoba and the Territories from Manitoba and the Territories have far surpassed those of the last two falls in volume. Large numbers of desirable immigrants from the old land continue to come to Canada. Remittances continue good. Money seems to be ample for all commercial purposes, but for speculative purposes it is scarce. Call loans are firmer at 5 1-2. Discounts remain at 6 to 7 per cent. as to name and nature of account

Wheat

The wheat situation has not ma terially changed since our last report At all the leading markets prices rule n, and just now the outlook is higher prices for the new crop stern Canada harvest will, it is firm. is for Western estimated, show a decrease of 6,000,estimated, show a decrease of 6,000,-000 bushels in the total yield from that of last year. Some new wheat has been harvested. It graded No. 2 Northern, and sold at the local ship-Northern, and soin at the town snip-ping point at 7:1c. Another report states that some more new Western wheat grading higher sold for 75c. The Westerner, though he may not have so much to sell, will get a have so much to sell, will get a higher price than last year, and thus even things up a bit. The spring wheat crop in the United States is being harvested in good condition, and is showing a nice sample. As shown in the crop report on another page, the Ontario crop will yield well. The local markets rule steady at quotations. There is a little more offering, and the demand is fair for export and local milling. New red and white is quoted at 74 1-2c., goose at 68c., and spring at 74c

Coarse Grains

Usages Grains With a big yield of oats in prospect it is not likely last year's high val-ues will be reached. At this market more are offering. Old No. 1 are quoted at 31c., and new at 39 to 29 1-2c. Oat yields in the Ubited States are reported light, but with good thom is The English market for is steady here at ac for prov. Pres is steady here at 44c. for new. Peas are quiet at quotations. The corn crop of the United States has improved somewhat, but is still reported on the whole to be uneven. In Ontario there will likely be a good crop of fodder corn, though the grain crop may be below the average.

Potatoes and Beans

The potato market continues on the side. The present crop casy is 8 bumper one, and we are not likely to see high prices unless the rot comes along. There ing in beans. There is a little steadier feel-

Eggs and Poultry

At Montreal, the receipts of eggs have ruled larger, though not as large as at this season. The market there rules steady for straight gathered stock at quotations. A few lots have been placed for export, but this trade is rather disappointing. Re-ceipts are large here and, if anything, there is an easier feeling at 14 to 15c

wholesale. Though little has been done in poultry for export so far, a good local business is doing, and dealers can hardly get enough to supply the

demand. Spring chickens are quoted at Ioc., fowls, 8 to Ioc., and young ducks and turkeys, Ioc. per lb. live weight

The Canadian apple crop will be a fair Nova Scotia will have one fair one. Nova Scotta the more than an average crop, Quebec a foir one and Ontario a little less than an average. The United States will probably have a fair average vield, so that this continent will have enough and to spare. But England and the Continent will have a short crop, so that good prices are in pros pect. The first shipments of thi season which have arrived in Eng land sold 16s. 6d. to 25s. per bbl sold 16s. 6d. to 25s. per use are high prices for the early apples are quoted These are high prices for the early fruit. At Montreal, apples are quoted at 90c. to \$2.60 per bbl.; plums 20 to 27 1-20 per basket, and Bartlett pears \$3.90 to \$4.35 per bbl Here more peaches are coming forward, white fieshed selling at 30 to 35c. and vellow fieshed at 40 to 60c. per bas-ket; plums at 17 1-2 to 30c., and pears at 20 to 35c. per basket. Small basat 20 to 35c. per basket. Small bas-kets of grapes sell at 20 to 40c., and large at 40 to 75c. each.

It is reported that the United States will have a large crop of clover seed. At Montreal the market in ver seed. 18 quiet as follows : Alsike, \$13 to \$15: red clover, \$12 to \$14.50 per cwt., and timothy. \$2 to \$14.50 per cwt., and timothy. \$2 to \$3, and flax seed, \$1.70 per bushel.

Hay and Straw

The new hay crop will be a much larger one than expected a month or two back. The market shows little change from our last report other than that more new hay is being offered and quotations are largely for this quality. At Montreal new baled this quality. At montreal new baled hay is quality. At montreal new baled hay is quoted at about \$ to. Here trade is rather quiet, though there is plenty of hay coming forward. Car lots are quoted at \$ so. There is very little doing in straw.

Datry Products

The cheese market continues healthy with a little more active buying. Prices at the local country markets rule at from 10 to 10 1-4c. Regarding the market, the Montreal Trade Bul-letin of last week says :

Regarding the position of the marhas the appearance at present of being in a quiet but fairly healthy position, inasmuch as the increased make this year has been exported very freely, and has gone largely into consumption on the other side. To-day it may safely be said, that the stocks store here are not more than this time last year ; and whilst they have gone forward freely, they have not accumulated to any extent in the Great Britain consuming centres of Great Cheese has undoubtedly been patron ized to a greater extent on the other side owing to its low price, as com-pared with kindred articles of provisions such as fresh meat, poultry hams and bacon. This season there has been a steady demand right along and we are new into the fall make minus the heavy stocks of former vears. This year, although we have Vers. This year, although we have had a larger make, the export demand has also been greater, and leaves us in a good position to deal with the foll make "

The butter situation is slightly better. There has been considerable buying at country points at an ad-vance. Eastern Townships creamery vance. Eastern Townships creamery is quoted at 19.1-2 to 19.3-8c. There seems to be plenty of all kinds com-ing forward here, and trade is on the dull side at quotations. In the ex-port trade, Canadian butter has had to meet very strong competition from Russia, which has lessened the export demand. Prices in the United States have declined enough to permit of ex port, so there is another competitor to hear from. On the whole, the butter situation is not nearly as strong as that of cheese.

Live Stock

The cattle market, though active during the past week or two, does not show any advances. Prices for chimners are interested lower than two weeks shippers are ago. The situation, however, is healthy and the English market firm-er. At Toronto cattle market on

The Canadian Produce Markets at a Glance

The highest quotations of prevailing prices for standard grades of farm produce in the leading markets on the dates named. Poorer stuff lower.

Date		Toronto 31		Montreal 29		St. John 26		Halifax 26		Winnipeg	
										7	
Wheat, per bushel	8 0	74%	80	75	8.		8 .		8 0	87 1	
Oats, per bushel		31		37		43		43		32	
Barley, per bushel		431/2		50		51		51		38%	
Peas, per bushel		63		70	1	73		73	· • •		
Corn, per bushel		52 1/2		59		61		61	·		
Flour, per barrel	3	00	3		5	12	4	90	4	30	
Bran, per ton	16	00	17	00	20	00	20	50	16	00	
Shorts, per ton		00	19	00	22	50	23	00	18	00	
Potatoes, per bag		65		60	1	25	I	25		52	
Beans, per bushel		75	I	60	I	90	1	95			
Hay, per ton		50	9	50		00	13	00	7	00	
Straw, per ton		00	6	50	8	00	8	00			
Eggs, per dosen	-	15		14		16		17		15	
Chickens, per pair, d.w		IC				60		60		50	
Ducks, per pair, d. w		10				65		65			
Turkeys, per pound, d. w		10				14		15			
Geese, per pound, d.w			1.1								
Apples, per barrel		50	2	60	3	75	3	50			
Cheese, per pound		10%		10%	1	10,4		104		10	
Butter, creamery, per pound		20		20		81		19		18 1/2	
Butter, dairy, per pound		16		15		18		18		13	
Cattle, per cwt		60	4	50	3	75	4	75	4	00	
Sheep, per cwt		50	3	50	4	50	4	75	5	00	
Hogs, per owt		50	6	25	6	00	6	00	6	00	
Veal Calves, per ewt		50	6	00	5	50	5	50			

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The second secon

THE FARMING WORLD

Friday last there was a fair run stock. The fat cattle offered were generally not of good quality, only a few good, choice, well-finished lots generally not or given being offered. Prices ruled steady at quotations. The best loads of expering oriered. Fries fulse steady at quotations. The best loads of ex-porters sold at \$4.60, and medium at \$4.30 to \$4.50 per cwt. Export bulls sold at from \$3.30 to \$4.25, and ex-port cows at \$3.60 to \$4.00 per cwt. each, and as to quality. Choice picked lots butchers' cattle, weighing 1,150 to 1,75 cach, and equal in quality to the best exporters, sold at $\$_4$ at to $\$_4$ so good at $\$_3$ to to $\$_4$ zs tair to $\$_2$ of $\$_5$ so and inferior to common, $\$_2$ of to $\$_5$ zs per ewl. Feeding steers, 800 to 1,000 lbs, each, of good quality, so to $\$_5$ to $\$_5$ R6 per weighing 1,150 to quality, sold at \$3,50 to \$3,80 per cwt., and stockers at from \$2,25 to \$3,25 as to quality. Milch cows are worth from \$30 to \$50 each, and calves \$2,00 to \$10 each, or \$4,00 to \$5,50 ner cwt. 50 per cwt.

S5.50 per cwt. There was a big run of sheep, which were easier at \$3,40 to \$3,50 per cwt. for ewes, and \$25,50 to \$2,75 lor bucks. Spring lambs were easier at \$4.00 to per cwt

Dealers complain of too many light Dealers complain of too main right unfinished hogs being marketed, and state that they will reduce prices for these 50 cents per cwt. this week if drovers persist in bringing them. The best select bacon hogs, 160 to 200 lbs, each, sold at \$6.50, and lights and fats at \$6.25 per cwt

Union Steek Yards

The run of live stock at the Toron-to Junction cattle market keeps of well. The total recepts for last week were 105 car loads, as compared with 201 car loads for the city market. From July 28, the day of the opening of the Junction market, till August as compared with 804 car loads, as compared with 804 car loads, received at the city market. The quality of the cattle, both exporters, and butchers, offered at the Junction. market on Friday was fairly good Exporters sold all the way from \$4.30 to \$4.85, and butchers at from \$3.40 to \$4.50 per cwt.

MARITIME MARKETS

Halifax, N.S., Aug. 25, 1903.

Trade continues active, with a good outlook for the coming month. The advance in flour, firmness in the fish market, and improved conditions dairy products, are to be noted Board sales of cheese on P.E. Island Board sales of cheese on 1°F. Island last week were made at 10 3 16 cents for August make, and cach fortinght is now likely to see slight advances. The production of cheese and butter is large, but merchants complain that there is too much "store butter" of inferior quality being marketed There that is a better tone to the butter market than when last reported. Eggs have advanced and are now jobbing here at 17 cents. The last sales reported on the Island were at 15 cents, which means at least 17 cents on this market

Crops promise well, although wet weather interfered somewhat with hay making. Farmers on the Tantramar marshes are asking S12 a ton for baled hay delivered on track at Sackville, but dealers are not inclined to buy at but dealers are not inclined to luv at that figure, and point to the decline in the New York market, which will send East considerable Quebec hav that otherwise would go to the United States. The Nova Scotia far-mer will get a fair price, but it is not well to have too exaggerated ideas regarding values. The provident at has decimated the berds in Pictou and Antigonish Coun-

September 1, 1903



ties has broken out in King's Co., P. E. Island., Dr. Pethick, veterinary expert of the Department of Agricolture, has diagnosed the herds afflicted on the Island, and has found the disease to be identical with that at Pictou, technically known as hepatic cirrhosis. The result of the Government's investigations renders it probable that the disease is due to the cattle eating the weed "Wille;" which infests many farms in the affected localities.

The first of the season's Nova Socia apples are now on the market They are August pippins, and sell teadily at \$\$2,25 to \$2,75 per barrel. The failure of the European apple crops lead orchardists to expect good prices throughout the season for all fruit suitable for the English market.

The Postmaster-General has made a change regarding the payment of Post Office Orders issued in the West Indies which is very pleasing to merchants having business connections in these islands. As the advice notices accompanying the orders had to pass through West Indian and Canadian clearing houses, it was usually about five weeks after a merchant received his Post Office Order before it could' be cashed. On the matter being brought to the notice of the Postmaster-General, he cut the Gordian, or rather, red tape knot by ordering Galdan postmasters to pay West and allow the advice on as presented, and allow the advice on a presented of the order of the Meductic Meat Co. near Woodstock, N. B., and are putting up large buildings with up-to-date machinery for handling meat products.

The Dominion Pork Packing Co., of Charlottetown, has leased a wharf property and warehouse at Sydney, and are establishing a branch there This is a strong company with a million dollars capital.

Canadian Milking Shorthorns Wanted

Waited Mr. H. H. Hinds, Stanton, Mich., who is selecting the Shorthorns for the dairy cow demonstration at the St. Louis Exposition, is desirous of getting in communication with the owners of the best dairy Shorthorn cows in Canada, and for that purpose has written Mr. F. W. Hodson, Live Stock Commissioner, Ottawa, for information regarding the best method of achieving his object. He writes.— 'I am aware that our Canadian furpose. Shorthorn compares of dail purpose short many specimens of dail purpose short and an hopping assistance from our friends arcrache border. At the Columbian World's Fair of 183 we had some very fine cows from Canada, that were selected by a committee of your Shorthorn Breeders' Association, and were brongth out under the augices of the Canadian Government. I am opening correspondence with many of your breeders, and desire your very able cooperation and assistance in secuing a few cows for this demonstration from the Dominion. Of course, should we secure some cows from Canada, the record of their performance would go into the aggregate of the very vert ""

Breeders who have cows of the sort described by "· 'linds, and who are willing to allow their animals to go to St Louis, should at once open correspondence with that gentleman at the address given above. AND CANADIAN FARM AND HOME



Testing a New Binder

A Farming World representative, on August 13th, visited the farm of Mr. J. W. Brakky, near Thornhill, Ont., where the new "Clokey" binder, now being put on the market by the Farmers' Cooperative Harvesting machine Company. Toronto, was in operation. There were in operation in the same held two other binders, one that had been in operation for details of the second second second second perated for were second second and the prain costs) stood up well, all the prain costs) stood up well, all the prain costs) stood up well, but for mey running and light draft the new "Clokey" took the palm. Only two horses were required to draw it, and they did so with the greatest ease. Attached to each of the other macchines wide three horses which ap peared to work harder than did the two attached to the new machine.

we attached to work harder than did the woo attached to the new machine. This new binder bears evidence of kill, intelligence and care in its make up. The inventor, Mr. Clokey, skill make up. has put all his energies into designing a machine that will combine grea strength, light draft and good work and from what we saw at Mr. Brak ev's farm he has succeeded admirably The main feature in the new binder is the centre stem or axle This is made solid steel joining the two wheels of solid steel joining the two wheels, and to this everything else is rigidly bolted. This gives it a strength which it could not otherwise have The draft is below the axle. In all other machines the draft is from the other machines the draft is from the front of the machine, and if there is any twist, the frame of the whole machine is put out of shape. The horses are quite close to their work, and this, with the lightness of the implement 'it weighs from 2-3 to 3-4 of what the average binder does) makes the draft casy. The twime how makes the draft casy. The twine box, the knotter and all the working parts of the machine are within easy reach and plain sight of the driver. The knotter is specially designed for quick and effective work. It is worked by a kind of double semi-circle wheel so djusted that tightness in the twine is secured when required, and when not tieing a sheaf the cord is slack. thus greatly lessening the liability to break the twine By this arrange-ment cheaper twine may be used to The canvass, reels, good advantage belts, etc., are all designed to secure speed and easy running The knife is about 11-2 feet narrower than the ordinary binder canvass. There is a space of about 10 inches between the end end of the knife and the elevator, where the grain is straightened before it enters the elevator to be tied. The elevator canvass is made much slacker than on other machines which al lows more grain to pass through and is at the same time conducive to light draft.

udging from what we saw in safe in stating that the "Clokey" binder has a bright future before it. The Farmers' Company, we understand, is having splendid success placing its stock among farmplacing its stock among farmers. From Dufferin County alone upwards of \$7,000 has been received in cash on stock account. In Amai ship over 100 farmers Amaranth Town have taken stock in the company The success of the venture, therefore, seems to be assured, and in the future we may count the Farmers' Harvesting Comas one of Canada's successful DADY agricultural implement concerns. The company have not put their machine on the market yet, and have rpent company have not put their machine on the market yet, and have spent the present harvest season in putting their binder to a thorough test in the present narvest season in putting their binder to a thorough test in several localities. All defects, if any, will be remedied and everything per-fected for a big trade in 1904.



Imp. Clydesdales and Shorthorns

Messrs. Smith & Richardson COLUMBUS. ONT.

Importers of Clydesdale horses and Shotthorn cattle, are now offering 10 imported stallions, including seas of the renowned Branc's Pride, Prince Thomas, Royal Carrick and Mountain Sentinel; also 10 mares, 6 of them imported and the balance from imported stock. Shotthorn, imported and home-bred, a'l ages. Stations :

Oshawa & Brooklin, G.T.R.; Myrtle, C.P.R.

so mil's east of loronto.

Long-distance Telephone at residence, near Columbus. Telegraph, Brooklin.



The Grimm Mfg. Co., 84 Wellington St., Montreal.

PURE-BRED STOCK

NOTES AND NEWS FROM THE BREEDERS

These columns are set apart exclusively for the use of breaders of pure-bread stack ana positivy. Any information as to importations made, the sale and purchase of stock and the condition of bards and facts has is not in the nature of an advertisement will be evaluated. Our desires is hards and fack: hat is used in the nature of an altertisment will be walcomed. Our desire is to make this the modium for concepting informations at it that tennifies of pure-based animals and the conditions of Non-teck throughout the constry. The co-operation of all breakers is carnerify solicited to making this department as useful and at interesting as possible, - the editor reserves the right to dissing the advection that he may consider better suited to our advectising columns

Messrs. Brown Brothers, of Lyn, nt.. have recently added to their Ont., have recently added to their noted herd of Holsteins an important noted herd of Hoisteins an important importation, the young bull, Beryl Wayne's Paul Concordia, who, as his name indicates, combines the blood of the most popular families. His sire, Beryl Wayne's Paul De Kol, has for dam Beryl Wayne, twenty-seven pounds fourteen ounces, and for sire De Kol 2d's Paul De Kol, out of De Kol 2d, twenty-six pounds 9.2 ounces The dam of Beryl Wayne's Paul Concordia is America Concordia Nethercordia is America Concordia Nether-land, sixteen pounds 7.1 ounces, at three years old; her dam, America 2d's Pauline De Kol, 19.7-8 pounds, won first prize in both the milk and butter contests at the Pan-American Exposition, making 2.4° pounds more horter in meane daws then any other butter in seven days than any other cow in the test. They also selected the bull calf. Sir Mutual Butter Boy out of Pauline Mutual De Kol, and got by De Kol 2d's Butter Boy 3d. Pauline Mutual De Kol made an offithree cial record of twelve pounds ounces in seven davs with first calf. She is by old Paul De Kol, and out of Paul De Kol 2d's Mutual Friend, with an A. R. O. record of over twenty pounds in seven days. The females by Messrs. Brown were two two-year-old heifers, Pauline De Kol Bergsma and Sara Jewel Hengerveld, and washipping. She made a tremendous udder and was giving forty pounds per day. She has all indications of equaling her dam, Sara Jewel, A. R. O. twenty-one pounds 7.9 ounces.

Mr. Geo. Isaac, Bomanton, Ont mr. Geo. Isaac, Bomanton, Ont., has recently imported six well-bred Clydesdale stallions from Aberdeen-shire. He secured two of these from Mr. Charles Lawson, Mains of Cults, and one each from Messrs. Alexander McRobbie, George F. Barron, Jas. Leys, and George Anderson, Fingask. Some of the horses were in the prize list at the Aberdeen Show a fortnight ago, and others of them have taken prizes at local shows.

The last issue of the Scottish Farmer, referring to Graham Bros. recent importation of Clydesdales, recent im Tom Graham, of Graham Bros., Claremont, Ontario, has been in Scotland for some weeks and sails to-day by the Donaldson Line with a superior selection of Clydesdale stallions and mares, purchased from va-rious breeders and owners. He has horse purchased from Mr. John ubbin, Drum, Beeswing, a wellone McGubbin with good quality of bred animal legs, and up to a good size. From Mr. Peter Crawford, Dargavel, Dum-fries, he takes the H and A. S. high-ly commended aged horse Baron Prim-rose, bred by Mr. J. D. Fletcher, of rose, bred by Mr. J. D. Flstcher, of Rosehaugh, and got by his stud horse The MacEkachran, which gained first prize at the Highland and R.A.S.E. as a two-year-old and three-year-old. This is a big, useful horse, well col-ored, with good hard hones, and showing himself well. From Mr. David Loran High Tower Demfrice bowing himself well. From Mr. David Logan, High Tower, Dumfries, he has two fillies got respectively by

the good breeding horse Royal Kyle and Concord, the latter a premium horse, the property of Mesars. A. & From Messrs. A. W. Montgomery. A w Montgomery, Netherhall and s, he takes seven stallions and fillies. Amongst the stallions Banks two are three sons of the champion breeding horse Baron's Pride (9122), one of them being bred by Mr. George Bean, out of his prize mare. The bean, out of his prize mare. The others are out of good breeding mares well known as dams of superior horses in the past. Mr. Graham also has a well-bred stallion from the has a well-bred stallion from the same owners by Woodend Gartly, whose stock, bred in the Stewartry, have turned out very well, and are being named in good company. An-other is by the favorite breeding horse Up-to-Time, which for four years in succession was the Machars years in succession was the Machars of Wigtown premium horse, and this season travels the Stirling district. Another is by the H. and A. S. cham-pion horse Prince Thomas (10262), and yet another by Mr. Wm. Park's and yet another by min win. Farm a well-known prize and premium horse Prince of Brunstane, whose stock have gained numerous first prizes in all the districts in which he has travelled. The two fillies are got travelled. The two fillies are got respectively by the big horse Prince of Roxburgh, a uterine brother to the of ROXDIFG, a uterine brother to the Glasgow premium horse Casabianca, and the H. and A. S. first prize horse Pride of Blacon, which, for three seasons, had the Bute premium, and is sire of Mr. Wm. Clark's third prize yearling horse at the H. and A. S. Show. This is one of the best shipments ever taken to America even by the Messrs. Graham Bros. America, shipments the Messrs. Graham Bros., even by the Messrs. Graham Bros., who, in times past, have exported some of the best Clydesdales that have some to Canada. To a new firm, Messrs. Mowatt & Babe, Shelbourne, Ontario, the Messrs. Montgomery have sold three stallions got respectively onta sold three Prince Baron's by Prince of Roxburgh, Baron's Pride, and Montrave Shah, own brother to the celebrated H. and A. prize horse Montrave Sentinel. T S These horses are big, well-bred animals, whose dams have produced prize winwhose dams have produced prize win-ning animals in previous years. The shipment, under the care of Mr. Tom Graham, is a most valuable one, and we trust it may reach the other side in safety

Messrs. Alfred Mansell & Co. have shipped to Canada, per the Donaldson Liner Alcides, the other day, sixty-seven sheep, seven Shorthorn cattle, and one Berkshire boar, on behalf of Mr. Robert Miller, of Canada. The basen computed some sulendid speci-Mr. Robert Miller, of Canada. The sheep comprised some splendid speci-mens of the various breeds, and in-cluded one of Mr. R. P. Cooper's first cluded one of mr. K. P. Cooper's first prize pen of shearling Shropshire rams at London R.A.S.E.; two first-prize ewe lambs and two rams from Mr. T. S. Minton's flock, sired res-Mr. T. S. Minton's flock, sired res-pectively by Mars, 11154, and Shen-stone Lad; several prize rams, ram lambs, and ewe lambs from the cele-brated flock of Mr. John Harding and bis son, Mr. J. S. Harding and some show ewe lambs and two-year-old ewes, etc., from the flock of Mr. Tanner, these being all of the Shropshire

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Tuttle's American Condition Powders A specific 'A senser block of all disease adds, therefore TUTILES 'A DEALLY ELLER' cures how more than prefax, houses, etc. Kith pals fastaatly Our Bo-page book 'Veernary Upprince' 'BUR'S, Bookon, Massa Dr. S. A. Tutila, 'M Bevority'S, Bookon, Massa Avaid all Distances they offer any insupervise relation's Avaid all Distances they offer any insupervise relation of the LYMAN, KNOX & 000, Agreets, Mentered and Toroste, Canada.





BOCK SALT for borses and cattle, in ton and

THE FARMING WORLD

breed. Southdowns comprised the first prize Royal-winning evess from the Earl of Cadogan, the prize-winning ram and ewe lambs, two-shear ram, and several other good sheep from the Pagham Harbour Co. Oxfords included Mr. Reading's Royalwinning even lambs, Mr. R. Hobbs' show eves, and several splendid specimens of the breed from Mr. J. T. Hobbs. Cotswolds comprised several notable winners and others in store condition from Mr. Garne's noted flock, including several 'Koyal' winbox including several' Koyal' winby some arize good sheep from Mr. Cripps. The shorthorns hailed mostly from Souliand, the breeders represented being Mr. A. Crombie, Mr. R. Copland, Mr. T. F. Jamieson, and Mr. W Craigie. Mr. Lawrence supplied the only pig in his Royal-winning boar, being one of his pen of three at Park Royal-North British Agriculturist.

Dentonia Park Farm.

A visit to the Dentonia Park Farm convinces one that there are few places where that assiduous little butter-maker, the Jersey cow, can be seen to better advantage. The large, airy stables are kept spotlessly clean and well vertilated. There is an abundant supply of pure, fresh water at all times within reach, and a daily food ration that comprises all that experience has found to be best. Here with their coats of golden fawm groomed to a resplendent lustre, live a select company of aristorrats of the Jersev race, the older members of which being individuals who have vindicated their prowess in the company of the best and the younger ones giving fall promise that the glory of the Dentonia Park Farm is not deatined soon to fade.

Individual integrity to type and actual performance in the dairv, as well as faultless pedigree, is characteristic of the members of the Dentonia herd. Among the finest specimens might be mentioned Fanev Maid, the winner of Toronto Sweepstakes last var. Monpleasures Cowslip, winner of second honors: Flying Fox's Brunette, an animal of so choice and fashionable a style, color and type, and of such grand proportion and conformation that an envious competitor made an offer of \$7,000 for her possession. Another fine young animal of splendid promise for the show ring is Dentonia's Idol who shows this year as a year-old in milk.

the station who shows this year as a year-old in milk. The Dentonia will have quite a number of line young animals of the finest breeding and style for sale this year as the herd is fast outgrowing home accommodations. Roamer.

Imported Shile Horses at Auction.

Mr. Walter Harland Smith, proprietor of "The Repository." Toronto, has just returned from a holiday trip to the old land, and is now in shape to give every attention to his cuatomers. During August there has been the usual summer lull in the horse trade. But that the beginning of September will see a change is quite evident from the way dates for sales are filling up. Already a large number of special sales of horses are booked. The announcements of these will appaar in these columns from time to time. Attention is directed to the special sale of imported Shire horses, announced elsewhere in this isauc. September 1, 1903.

PURE BRED STOCK

I have for sais 4 Ayreshire Bulls, 2 Pure Bred Shorthorn Heifers, coming one year old; 1 Shorthorn Bull, two years old; Choice Yorkshire Boar, one year old; Yorkshire Sows and Boars, from four weeks to six months old; these animals are of choicest breeding. Will be wold cheap to quick buyer.

JOHN H. DOUGLAS, Warkworth, Ont.

DUM-NA-GLASS FARM

DORSET HORN SHEEP from the greatest prizewinning flock in America. Shorthorn cattle always on hand for saie, the laster including eight young Shorthorn bulls and a number of young heffers.

JOHN A. MCGILLIVRAY		
xbridge,	Ontario	
Express Co: anadian Express Co. eferences: Bradatreet's your own Bo	Bank: Merchants Bank, Souris, P.E. Mercantile Agency or any other, o ok and Express Co.	
	LE TAMWORTHS	
argest Breeders, Im	VILLE FARM CO. sporters and Shippers of Pure th Swine in America.	
A. MACDONALD, Manager and Proprietor	HERMANVILLE, P.E.	
Tempe	F.B.C.V.S. Principal, rance St., Toronto, Can	
Champion Berk	shire Herd of Canada	
(Headed		
	B MEDAL	
SILVE	by the 1000-lb.)	

prime, at the lase Toronto Kabhkion. The great growth and also for bapes, at the different age, say whom assured ma such air had never been seen before, and it hink I had the HEAVIEST HOGS on the growth of ANY BREAD in almost every dam, and rounz pigg from my been prime source and beam, all for each for service, young cover been do prime bears, and rounz pigg from my been prime source and beam, all for private of the services, the service part of the proof beam of the services. The service of the proof beam work at Toronto. W. H. DUKHAM, York Lodge, East Toronto P.O., Canada.

Maple Lodge Stock Farm

Scotch Shorthorns, Choice Milking Strains, Prize Winning Leicesters, Young Stock for sale-imported and home bred.

A. W. SMITH, Maple Lodge P.O., Out.

Registered Shropshires for Sale

Twenty one ram and ewe lambs, two two-year-old rams, one stock ram. Good blood. Prices low.

J. F. BRUNTON, Tara (Bruce Co.), Ont.

WANTED—An experienced cattle or stock man, must be a single and steady man. Work the year round, with goar wages. Address, E. G. RUST, Saginaw, W. S. Michigan.

Farmers' Sons Wanted with hnowledge of farm to work in an office, see a month with advancement teady employment; must be honest and reliable. Branch offices of the sacciation are being established in each Province. Apply at once giving full particument watermarks for United Hadrook, Landoo, Can-

Loek up The Farming World Prize Essay Competition at the Toronto Industrial Fair, 1903.

AND CANADIAN FARM AND HOME



These horses have been consigned by George MacKaness, Abington Lodge, Northampton, England, and are descended from the choicest blood are descended from the choices blood in England. They are perfectly sound and free from any hereditary disease, are all registered in the Shire Horse Stud Book, and among them are two prize winning stallions. The consignment consists of six stallions and three fillies. Among these may be noted: Norley Baronet, 20768, a two-year-old stallion, by Hendre Baronet, Vient due Orithe Hasing year-old stallion, by Hendre Baronet, 16714, dam Gritta. He is a prize winner and of good breeding and qual-ity. Coleshill Royal Albert, 20367, a two-year-old stallion, black in color, is another prize winner in the old land; sire Moorland Paxton, 1650, dam 714 Stenson Duchesa.

This consignment is specially wor-thy the attention of breeders. The thy the attention of oreceters. The shipment, while not a large one, it is hoped will pave the way for future shipments, and it is with this end in view that the shipments have been made

The Farming World Man on the Wing.

The sale of the large herd of pure Scotch-bred Shorthorns belonging to Mr. John Bright, of Myrtle, Ont., to be held at Whitby, Oct. 14th, inst. will be one of the greatest events in the history of Shorthorns in Canada.

Of the animals to be offered, some eighty in all, every one is an indivi-dual of choice and fashionable breeding The herd comprises six imported animals seventeen choice individuals the Miss Ramsden strain, and the of the aliss Ramsden strain, and the balance show a splendid aggregation of such strains as the "Marr-Missie," "Marr-Stamfords," "Crimson Flow-er," "Duchess of Gloucester," and 'Duchess other fashionable and popular famil-ies seldom met with in any one herd ies seldom met with in any one nera of even the best pure-bred Shorthorns. Universal good breeding, good qual-ity, good condition and good size characterize this entire herd of eighty animals. They are of that low-down, ype, whose depth, thickness blocky type, whose depth, thickness and roundness of body strike the eye

and roundness of body strike the of the visitor at the first glance Among them will be found Vil Bride -51866- with her faul form and quality, her splendid and her nine crosses of Cruicks Village faultle size Cruickshank and her mine crosses of Cruickshank blood, a prize that any breeder might well be proud to add to his herd. Clemency 4th is a fine young animal of grand breeding, splendid propor-tions and fashionable type that ought to bring spirited bidding from the breeders of the best class of animals. Hillhurst Bridesmaid 4th, by the farphen, recently sold for \$1,000 at the polent sold for \$1,000 at the Cohrane sale, will also be offered to the hirlpst hidder. Of the Miss to the highest bidder. Of the Miss Ramsden strain are Spicy Louise and Maud, two exceptionally fine individuals whose grand proportions, fine points and clean-cut outlines do full outlines do full

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points and clean-cut outlines do full credit to their breeding. Mr. Bright has listed in his cata-logue a herd of eighty animals of a class seldom met with in such a num-ber, and his sale should not fail to enlist the attention of all breeders and lovers of Shorthorns, who can possibly make arrangements to visit Whithy on Oct 14th This sale offers an opportunity to become the pos-sessor of animals of the best strains an opportunity to become the pos-sessor of animals of the best strains, such as would be a welcome addition to most herds in Ontario and elsewhere.

Mr. Wm. Smith, of the Glengow Farm, Columbus, Ont., is the possessor of a herd of Shorthorns that are worthy of more than a passing no-tice. Headed by his splendid three-year-old bull, Ben Lomond, a son of Royal Hope, and numbering several year-old bull, Hen Lomond, a son of georal Houge, and numbering several females imported from the best strains across the Atlantic, the herd is well worthy to be classed among the first in the land. Conspicuous among the younger animals is an 11 months bull call by Royal Bruce, a splendidly backed animal of the best quality, with great thickness and depth. Strathallan Hill 3rd, a roan bull call, by Mr. W. Howden's herd bull Ma-dow Lord, is an animal of good bone and quality. Mr. Smith is alago breeding improved Yorkshire pigs in a small way. small way



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THE FARMING WORLD

Of resent importations of Clydes-dale stallions and filles by Mesars. Smith & Richardson, Columbus, Ont., six of each were purchased by Mr., Richform in respleased by Mr., Richform in respleased by Mr., and Clydesdale quality, beer ample tribute to the skill, judgment, as well as the enterprise of the per-son making the selections. Of these, perhaps, the one deserving of first place is the aged horse Locomotion (11091). -9375-. He is a large, nicely turned stallion of a beautiful dappled brown color, good bone, and great substance. He has a fine, clear-cut head, large intelligent eye, beau head, large intelligent eye. int. beautifully arched neck, fine, well-set ears, strong, massive shoulder, well-sprung rib and deep girth, good, well-coupled loin, and is altogether a horse whose appearance would indicate him a appearance would indicate nim a worthy scion of his sire, Prince Pleasing (10259). His dam is the well-known prize winner, Jean Mc-Gregor (13278)

Another seed stallion brought over in this importation is Ruler (10895) -3974-A fine horse of good size, splendi legs and feet two splendid ends and a beautiful head and neck. He is a round, well turned horse with hots of vim and go, and splendid action and style. He is a on of the well-known sire, Baron's Pride, whose get has become so popular recently in Scotland. Campaigner (11646) -3972- is a two-year-old that is worth looking at carefully, weighing nearly, if not quite, 1,300 bs. He combines with this immense size a smoothly turned, strong and well-Another aged stallion brought over smoothly turned, strong and well-coupled body, the best of legs and feet, smart, stylish way of going, and an extraordinary amount of am-bition and spirit. His pedigree shows him to be of the bluest blood that the Clydesdale stud-book knows, his the Clydesdale stud-book knows, his sire being Lord Roberts (11103), by William the Conqueror (9093), he by the old Prince of Wales (673). His dam is Border Panny (1366), by Prince of Wales (673). He will thus Prince of Wales (673). He will thus be seen to have two crosses of Prince of Wales in his pedigree. He is altogether an animal of great promise. Ardlethan Premier - 3971- is a

together an animal of great promise. Ardiethan Premier -3971- is a promising two-year-old of good size, fine, strong clean bone and lots of muscle, style and spirit. He is by Prince Thomas (10362). Prince of Corskie (3970) is a pleasing animal of good bone and substance, strongly coupled and of good style and action. Is forth a sense to take a continue In fact he seems to take a positive delight in showing himself to the best possible advantage in his big, round, bouncing trot up and down the yard. He is by Montrose Sentinel (10004) 10004)

(10094). Mention of the stud would be in-complete without a passing tribute to the fine, young stalling Lawrence (10895) --3974-, imported last year, and who took third honors at the Toronto Spring Show in February. He is a horse of pleasing appearance, whose stock are proving a stur-factor in commending him to the at-tention of local breeders. Invocted and A large number of invocted and

tention of local breeders. A large number of imported and Canadian mares and fillies at the stud embody quality and breeding al-most, if not quite, equal to that of the horses. Salome sth, by Count Cedric --11018-, is a promising filly Madge of Hallroft, by Ornamet --1603-, is a mare of good size and almost faultees form and onality. -10603-, is a mare of good size almost faultless form and quality.

Mr. Ormiston, of Columbus, Wm Mr. Wm. Orrmiston, or coumous, Ont., is still in the ring with quite a number of pure-bred Shorthorns of good beef and dairy types. The win-ner of the First Prize in the dairy September 1, 1901.





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competition at the Eastern Winter Fair at Ottawa was from the stables of Mr. Ormiston

J. McKenic, of Columbus, Ont., is the possessor of a small herd of animals of choice quality and good breeding. His aged cow Susan, whose weight is fully 1,700 Hs. is the dam of some splendid young heifers that are hard to beat anywhere. Her 14 months old heifer call Lillie Arch, by Mr. Develop: "McMunic Archevet" in column 1997. Distances in McMunic Archevet in column 1997. Mr. Dryden's "Collynic Archar, by Mr. Dryden's "Collynic Archar," is a perfect gem of over 900 bs. weight, and a quality that leaves nothing to be desired. Mr. McKenzie is also a breeder of Cotswold sheep. . . .

W. Howels, of Colembus, Ont., owns a herd of choice Shorthorns. Meader 19 of choice Shorthorns. Meader 19 of the herd is of that will the the scales at 2,300 lbs. He has proven himself a great sire, all his young stock being ani-mals of fine size and quality, and, like himself, noted for their thickness and depth of body, and tendency to early maturity. His & months bull, King William, dam Columbus Girl, is a prototype of his sire. A roan heiler, Fashion Power, at 11 months, will tip the scales at 300, and is not loaded with fat either. Her dam is Fashion Power 370 (1937). Fashion Power 3rd (19537) . .

J. Davidson, of Myrtle, Ont., is still to the front with a lot of fine young Shorthorns that will be a facyoung Shorthorns that will be a lac-tor to be reckoned with by the stout-est at the coming fall fairs. His three-year-old bull Wimple Squire heads a herd comprised of splendid individuals of the best Scotch breed-ing. Un head is his head a sit ing. He has in his herd a six-months bull of the Missie strain imported from Murray's. Cheice Archer is a yearling bull of Jenny Lind pedigree. Becret, a yearling Cruickshank heifer, is a young animal of very fine points and quality. Rose Block and quality. Rose Blossom, another of the same age, is a very thick animal of good Cruickshank type. . . .

The stables of Graham Bros., Clare mont, Ont, are at present occupied by fifty head of Clydesdale stallions and mares, mostly imported stock. Their grand old prize winner and sire, "McQueen," is still at the head sire, 'mequeen, is still at the nead of the stud, strong and vigorous in his eighteenth year, and will head prize-winning families of his progeny at the fairs. The young horse, 'Mc-Queen's Best'' (2844) is 'a perfect Queen's Best'' (2844) is a perfect prototype of his sire old McQueen, prototype of his aire old McQueen, and it is a safe prophecy that he will, like him, bring many trophies of the show ring home to the Cairmbrogie Farm Stables. The more recent im-portations of Messers, Graham Bros. are dealt with on another page of this number of The Farming World. In addition, they own some fine, sty-lish Hackneys. The four-year-old stal-lion Saxon(97) is a splendid horse of the most handsome conformation, grood the most handsome conformation, good speed and great action. He has the best of legs and feet, strong loin and quarter, well coupled, round body and quarter, well coupled, round body and well-sprung rib, finc, clean, sloping shoulder, and beautiful head and neck. He is a beautiful brown color and, taken all together, t-is, no wonder that he won the honors of the Chica-go Show Ring, Equipment, a recent importation, is also a fine-looking horse of good points and breeding. .

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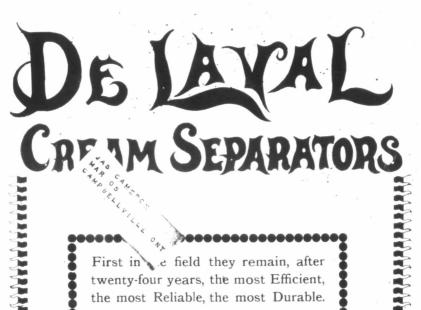
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