January 26, 1916

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REGISTERED IN ACCORDANCE WITH THE COPYRIGHT ACT OF 1875

Vol. XLVI

WINNIPEG, CANADA, FEBRUARY 2, 1910

No. 906

No. 1317 is



You must analyze the

parts of our No. 1317 Tele-

phone Set to fully

appreciate its superiority. For ex-

ample, a farm 'phone

demands an extra loud

gong — you're liable to

be quite a piece away when it rings and it's

posts are mounted directly on the ringer frame so that even the warping of the instrument cannot change the ad-

HAT'S what a telephone says to every mar on whose wall it hangs. It's a good servant—is a telephone — a mighty good servant and always ready and waiting for you the moment you want it. And not only is it there for business, but it stands for pleasure as well. Think what a convenience, -what a deal of comfort - it would be for you in the long, lonesome winter evenings, when the snow is piled mountain-high in every path and road. Or suppose you needed a doctor on one of those evenings—just suppose. Well, if you have a telephone—but you know the story. There's only one way for a story like that to end if your telephone's a good instrument—if it does not get out of order—if it doesn't fail you at the critical moment—in short, if it's a "Northern Electric." of little use unless you always You save a trip to town—a long wait—a neverending journey back—and—perhaps—a life.
Who knows! hear it. The gong we use is made of brass - a big one - and produces fully 50% more noise than any other gong for farm use. The gong



equipped with our new No. 48-A generatora generator whose efficiency is greater and which will ring a greater number of telephones on a longer line than any generator on the narket. Thousands of these generators are operating on lines more than 30 miles long with as many as 40 telephones on the same line. Indeed, in in one case, on a line approximately 75 miles 1 on g, there are 75 sets.
While this is, of course, really too great a load.
it is of interest as indicating the wonderful strength of this generator. Consider this

And Some Its **Principal** Exclusive **Features**

Our Newly Designed No. 1317 Type Telephone Set

is also equipped with our new type No. 38 ringer a very sensitive and efficient ringer operating third to one-fourth current required for other ringers in use on farm phones. The catinet. or wooden part of this telephone is the very finest quality and finish of quartered-sawed oak—in point of mere appearance this instrument is an ornament to any wall. Of course this means nothing, unless the service it gives is of the very best; but. consistent with satisfactory service good appearance is

for Our Free Book The whole story of rural telephones is yours or the asking. Simply tell us that you want it

Ask us to send you ulletin No. 1416, and let it tell you not only all about our telephones for farm use, but also the steps it is necessary to take in the formation of a rural 'phone company. This book tells how simple it is - how very little money is required and places you in a

position where you can go right

ahead yourself in your own community

and organize among your own neighbors. After you get the book, if there is other information you want, all you have to do is to ask for it - tell us what you want, and we will supply you with every detail. Why should you not be the man to promote a telephone company in your own neighborhood? Write us today—re member, the story is yours for the asking

short circuited so as to give it complete pro-tection against damage by lightning. The act of turning the crank, automatically connects the generator to the lineand this circuit is again broken as soon as the crank is released. All magnets are made of a special steel so as to insure their retaining their strength indefinitely. Remember this is a five bar generator and fully fifteen per cent. more efficient than any other generator on the marketspecially adapted for use on long, heavily loaded rural lines.

such as the fact that the armature is normally



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WINNIPEG





always desirable.



International Gasoline Tractors AND QUICK ACTION =

READINESS for work is just one advantage which International gasoline tractors have over steam tractors. There are plenty of others, but readiness for work is worth thinking about. You don't have to wait to get up steam. There's no time wasted in building the fire. There's no coal or wood or water to haul and no need of a tending wagon. It's a "touch-and-go" matter with the International gasoline tractor. It is ready whenever you are; and when you shut off the power you shut off all fuel consumption that same instant.

Consumption that same instant.

The International gasoline tractor is adapted for all work. It can go anywhere and do anything that the steam tractor can. You don't need to be an engineer to run it. You don't need a fireman. It is worth something not to have the flying sparks around. It's light weight, compared with the corresponding steam tractor, is a big point when you consider that you must frequently take your traction engine over insecure bridges and rotten culverts.

That the International gasoline tractor is well adapted to all farm uses is shown by the outcome of the agricultural motor contest at Winnipeg last July, where steam and easoline tractors were in competition.

The Gasoline Tractor That Won the Winnipeg Gold Medals

GOLD MEDAL IN CLASS A GOLD MEDAL IN CLASS B GOLD MEDAL IN SWEEPSTAKES

The traction engine is to play too important a part in the agricultural development of Canada for you to make a mistake in your purchase. You are invited to look into the merits of International tractors. The International local agent will be glad to furnish you with catalogue and particulars—If none in your town, write to the nearest branch house.

Western Canadian Branch Houses .- Brandon, Calgary Edmonton, Regina, Saskatoon, Winnipeg, Yorkton

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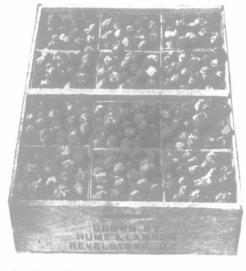
Chicago, U. S. A.

Look for the I. H. C. Trade-Mark. It is a Seal of Excellence and a Guarantee of Quality



In a grand climate within four miles of the city of Revelstoke, B. C. a beautiful 160 acres of land for sale containing 1,800 fruit trees, made up of apple, pear, plum and cherries. The cut gives you a view of the place

There is three-quarters of an acre of strawberries from which the yield of the past season was \$550.



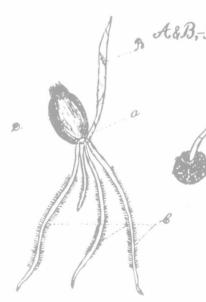
PROFIT NET PER ACRE \$400.00

This is for sale at \$125 per acre, which is a bargain to anyone wanting a fruit farm which produces more to the acre than 10 acres will in grain. Other lately on Arrow Lakes good for fruit.

REVELSTOKE GENERAL AGENCIES Ltd. REVELSTOKE, B.C.

SMUT

and its attack upon grain



A&B, Bints on the young shoot between which the smut usually gains entrena The plant Frain of wheat smut spore.

These drawings represent a gra of wheat and a smut spore germinating; the wheat grain being en larged about 12 diameters; the smut spore about 500. It is about this stage, when 3 or 4 days old, that the smut gains entrance to the young wheat plant, the growth, F, penetrating the wheat sprout between A and B. After it enters the wheat plant the smut plant depends no longer on the spore for nourish

ment, but feeds entirely on the wheat plant. The next drawing will show how the smut grows in the wheat stem.

Formaldehyde KILLS the Smut Spore

WATCH FOR THE NEXT DRAWINGS PAMPH .ET REGARDING SMUT MAILED FREE ON REQUEST TO

The Standard Chemical Co. of Toronto, Limited

Bex 151, Winnineg

Manufacturers

Ticket 17, 18, and 24

1910;

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LEASIN The compa or hay and served quarte particulars a ment, Hudson

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Single Fare

Plus \$2.00 for the Round Trip

From all stations in Ontario, Port Arthur and West, Mani-Saskatchewan and Alberta.

VICTORIA and

Also to OKANAGAN VALLEY and KOOTENAY POINTS

Tickets on sale December 16 17, 18, 1909; January 21, 22, 28 and 24; February 15, 16, 17, 1910; good to return within



SYNOPSIS OF CANADIAN NORTHWEST LAND REGULATIONS

ANY person who is sole head of a family or any male over eighteen years old, may amested a quarter-section of available to lon land in Manitoba, Saskatchewan or Albert. The applicant must appear in person at the Dominion Lands Agency or Sub-agency for the district. Entry by proxy may be made at any agency, on certain conditions, by father, mother, son, daughter, brother or sister of intending homesteader.

agency, on certain conditions, by father, mother, son, daughter, brother or sister of intending homesteader.

Duties. —Six months' residence upon, and cultivation of the land in each of three years. A homesteader may live within nine miles of his homestead on a farm of at least 80 acres solely swned and occupied by him or by his father, mother, son, daughter, brother or sister.

In certain districts a homesteader in good standing may pre-empt a quarter-section along side of his homestead. Price \$3.00 per acre Duties. — Must reside six months in each of six years from date of homestead entry (including the time required to earn homestead entry and cultivate fifty acres extra.

A homesteader who has exhausted his homestead right and cannot obtain a pre-emption may take a purchased homestead in certain districts. Price \$3.00 per acre. Duties. — Must reside six months in each of three years, cultivate lifty acres and erect a house worth \$300.00.

Deputy of the Minister of the Interior.

Deputy of the Minister of the Interior. N. B. — Unauthorized publication of this advertisement will not be paid for.



LEASING OF LANDS

The company is prepared to lease or hay and grazing purposes all reserved quarters or half sections. For particulars apply the Land Department, Hudson's Bay Company, Win-

One Pail, or Two?

Why not make the cows pay better this year than last. You can do it; you can get better returns at the pail and the churn than you've known before in all your dairy experience. Give Dr. Hess Stock Food to the cows twice a day in their grain. No need to increase grain or fodder—it's simply a matter of making the grain and fodder you do give digest more perfectly, and of turning a larger per cent of it into rich, foamy milk.

DR HESS STOCK FOO

will do this-in doing it wherever given, because it makes grain, hay, roughage —whatever the cow cats—at once available to pass into the blood as the basis of a larger milk secretion. This attention to animal digestion, rather than to quantity of ration, is known among stock raisers as "The Dr. Hess Idea" and is practical for all farm animals. Horses work better, steers fat quicker, and sneep and hogs show greate t development when they receive Dr. Hess Stock Food Daily. Fed twice a day in small doses. Sold on a written guarantee.

100 lbs. \$7.00; Smaller quantities at a slight 25 lb. pail \$2.00. Smaller quantities at a slight advance. Duty paid. DR. HESS & CLARK Ashland, Ohlo, U.S.A.

Also manufacturers of Dr. Hess Poultry Pan-a-ce-a and Instant Louse Killer.

Free from the 1st to the 10th of cach month—Dr. Hess (M. D., D. V. S.) will prescribe for your ailing animals. You can have his 96-page Veterinary Book free any time. Send 2c stamp and mention this paper.

DR. HESS POULTRY PAN-A-CE-A must not be confounded with so-called "poultry foods." It is not a food—its sole reason for being is that all fowls need a digestive tonic so that what they eat will make the most in eggs and flesh. Dr. liess Poultry Pan-a-ce-a strengthens the digestive organs of the laying hen and growing chick, and thus there is test lood waste and more production and growth. It also cures Gapes, Roup, Cholera, etc. A penny's worth feeds 30 fowls one day. Sold on a written guarantee.

1½ lbs. 35c.; 5 lbs. 85c.; 12 lbs. \$1.75; 25 lb. pail \$3.50. Duty paid.

Send 2c for Dr. Hess 48-page Poultry Book, free.

INSTANT LOUSE KILLER KILLS LICE



MOVING PICTURES OF DAN PATCH 1:55

ABSOLUTELY FREE POSTAGE PAID

If you are a Farmer, Stockman or Poultry Raiser and correctly answer, in your postal card or letter reply, the specified questions.

THIS IS THE LATEST, SENSATION AND GREATEST TRIUMPH IN THE GREAT MOVING PICTURE ART. It is a New Invention that you can carry in your pocket and show your friends instantly, day or night, either once or a hundred times, and without a machine, curtain or light. It is the first successful moving picture ever taken of a World Champion Horse in his wenderful burst of speed. The original film contains

2400 INSTANTANEOUS PICTURES OF DAN PATCH

2400 INSTANTANEOUS PICTURES OF DAN PATCH
and every picture shows the King of all Horse Creation as plainly as if you stood on the track
and actually saw Dan Patch 1:55 In one of his thrilling speed exhibitions for a full mile, 2400
distinct moving pictures taken of Dan in one minute and fifty-five seconds means twenty-one
pictures taken every second all of the way around the entire mile track from the back seat of
watch every movement of his legs as he flies through the air with his tremendous stride of 29 feet. You can see his thrilling finish as he
strains every nerve to reach the wire, you can see his driver dismount and look at his watch while thousands of people crowd around, you
can see his caretaker force his way through the crowd and throw a beautiful woolen bi-inket over Dan to prevent his catching celd and
then you can follow him up the track before the madly cheering multidudes. As a study of horse motion it is better than the actual speed
mile because you can see Dan right before you for every foot of the entire mile. When first shown to the public this marvellous pleture
caused people to stand up all over the theatre calling "Come on Dan."

This remarkable moving picture is the most realistic and the most thrilling ever presented to the public.

We have taken a part of these 240 wonderful and sensational pictures and male them into a Newly Isoented Moving Picture that
you can carry in your pocket and show to your friends at any time, day or night. It does not need a might. It is allready to show instantly either once or a hundred times and creates a sensation wherever shown.

THIS MOVING PICTURE WILL BE MAILED TO YOU ABSOLUTELY FREE, WITH POSTAGE PREPAID, IF YOU ARB A
PARMER, STOCKMAN OR POULTRY RAISER, AND CORRECTLY ANSWER THE THREE QUESTIONS.

YOU MIST ANSWER THESE 3 OUESTIONS IF YOU WANT THE MOVING PICTURES FREE

YOU MUST ANSWER THESE 3 QUESTIONS IF YOU WANT THE MOVING PICTURES FREE Ist. In what paper did you see my Moving Picture Offer? 2nd. How many head each of Horses, Cattle, Sheep, Hogs and Poultry de you own? 3rd. How many acres of land do you own or how many acres of land do you rent?

I will not mail this wonderful moving picture of Dan Patch 1:55 free unless you are a Farmer, Stockowner or Poultry Raiser and unless you correctly and honestly answer the three questions.

IF YOU ARE NOT A STOCKOWNER AND WANT THE MOVING PICTURES SEND ME 25 CENTS.

In silver or stamps to pay postage, etc., on Moving Pictures, I will mail this wonderful Moving Picture of Dan Patch 1:55, the fastest harness horse the world has ever seen.—to you if you send me Twenty-five Cents in silver or stamps even if you do not own any stock or land. It costs about \$2700.00 cash to have one of the original pictures taken and reproduced. [47] Write me to-day so that you will be sure to secure one before my supply is exhausted. one before my supply is exhausted. E. B. SAVAGE, Proprietor of Address

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British Columbia NELSON Capital of KOOTENAY

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In a Pail or Tub made of

FIBREWARE

Each one is a Solid, Hardened, Lasting Mass without a Hoop or Seam. Positively Persist in getting EDDY'S

Always Everywhere in Canada Ask for EDDY'S MATCHES

New Amberol Records by

Leo Slezak, the great tenor, now sings for you in the Edison Phonograph the same famous arias from the Grand Operas that the New York audiences pay \$5.00 a seat to hear. Just how great a singer Slezak is, is told in the following remark, quoted from the New York World the morning after a recent appearance of Slezak at the Metropolitan Opera House: "Caruso now has a rival."

Slezak has made ten records for the Edison, comprising the principal tenor songs from the more prominent roles of his repertoire -so that, while the New York opera goer pays \$5.00 a seat to hear Slezak in one opera, with the Edison Phonograph and Amberol Records you get Slezak at his best in his ten best roles, including Otello, Lohengrin, Tannhauser, Rhadames in Aida and Rodolfo in La Boheme.

Only on Amberol Records can you get a full length rendering of these great arias—and only on the Edison Phonograph do you get Amberol Records. Hear these great Slezak Records at any Edison dealer's today.

Edison Phonographs \$16.50 to \$240.00 Edison Amberol Records (play twice as long) \$.65 Edison Standard Records - . .40 Edison Grand Opera Records - . .85 and 1.25

There are Edison dealers everywhere. Go to the nearest and hear the Edison Phonograph play both Edison Standard and Amberol Records. Get complete catalogs from your

National Phonograph Co., 100 Lakeside Avenue, Orange, N. J., U. S. A.

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MANITOBA GYPSUM CO., Limited WINNIPEG, MAN.



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"Galt" Galvanized Steel Roofing and Siding are the best Fire Insurance Policy ever issued. A prevention is better than a cure—don't forget that.

The new "Galt" Shingle with its patented Gale-proof Closedend Side-look and continuous interlocking and over-lapping bottom look, absolutely defies wind, rain or snow to penetrate or injure it.

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The handsome Gothic Tile pattern warrants their use on the best buildings.

"Galt" Corrugated Steel Sheets are the best made. Straight, true, close-fitting corrugations make a weather-tight roof—fire and lightning proof at the cost of a wood roof.

All "Galt" Galvanged products are made from the Best British Galvanged Sheet Sheets which will last a lifetime.

Don't accept inferior goods—the "Galt Kind" cost no more than the others.

Our free Catalog "B-3" tells about these grads.

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THE SHEET METAL AGE.

THE GALT ART METAL CO., LIMITED, GALT, ONT. Sales and Distributing Agents: Dunn Bres., Winnipeg and Regins.

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ROBINHOOD DIFFERENT

IMPRESS UPON YOUR MIND THESE TWO SPECIAL FACTS

Robin Hood Flour must satisfy you in two fair trials or you can have your money back—it is the guaranteed flour.

Robin Hood Flour absorbs more moisture than other flours-therefore add more water when you use it and get a larger, whiter loaf.

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More of them sold than all other Felts combined. Manufactured by The Berlin Felt Boot Co. Limited, Berlin, Ontario.

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Farmer's Advocate

and Home Journal

REGISTERED IN ACCORDANCE WITH THE COPYRIGHT ACT OF 1875

Vol. XLVI.

Winnipeg, Canada, February 2, 1910

No. 906

FARMER'S ADVOCATE HOME JOURNAL

ESTABLISHED 1866

Canada's Foremost Agricultural Journal Published Every Wednesday.

SUBSCRIPTION PRICE

Canada and Great Britain, per annum, in advance.\$1.50
"(if in arrears) .. 2.00
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In accordance with the law, the FARMER'S ADVOCATE is sent to all subscribers until an explicit order is received for its discontinuance, accompanied by payment of all British Agency, W. W. Chapman, Mowbray House Norfelk St., London W. C., England.

Specimen copies mailed free. Agents wanted. Address all communications to the firm, not to any in

FARMER'S ADVOCATE OF WINNIPEG, LIMITED,

EDITORIAL

Husbanding vs. Restoring

The letter in this issue written by Geo. H. Bradshaw should be studied carefully by every man in Western Canada who is interested in the future of farming on the prairies. No man should consider that he is doing his duty when he sows seed and reaps a harvest in such manner as gives an annual crop with minimum labor. The old claim that prairie soil is an inexhaustible storehouse of plant food suitable for cereal production has long since been exploded. Our soil is rich, but a continual drain without returning anything will in time deplete the richest soil.

this point in all agricultural lands.

these pests from getting a foothold?

enable him to speak with authority.

The Home Beautiful

The thought of spring should engender in every farmer's heart the desire to do something that will make his home surroundings more attractive. The chief essentials are trees and shrubs, flowers and vegetables. No longer does the intelligent westerner believe that climatic conditions will not permit the growing of a reasonable variety of horticultural products.

however, it is well to exercise good judgment in prophecy not excepted. the purchase of ornamental and fruit trees and bushes. Southern growers who establish a local agency, as a rule, supply stock that is worthless. It seldom survives one winter. entire satisfaction.

is made one that city folk envy.

Works, Not Prophecy, Required

soil by judicious cropping and reasonable been," so far as beef production is concerned the virgin condition—but to maintain the one and one-half times as much as the United in a quarter of a century if we do not. maximum crop producing power it is necessary States produced last year. Both probably to return the important elements and humus may be prognosticating aright, or probably within a very few years from the time it is they may be both wrong. We find it necessary

under which the cattle raiser now labors will be removed. After all it is not the farmer's fault that live stock raising is not progressing as Mr. Burns and his friends and business competitors would like to see it progress. The average farmer doesn't object to stock raising, but he has serious objections to certain phases of the conditions under which live stock are at present marketed. Probably attention from the right quarter towards the improvement of these would stimulate interest In order to guard against disappointment, in live stock more quickly than anything else,

Conserving Our Resources

Canada's conservation of national resources Nurserymen who are established in the north commission met last week at Ottawa and spent have made such selection that the general rule some time discussing the conservation of is for a very high percentage of stock to give forests, mines, fisheries, soil fertility and a few other things. Incidentally they recom-Of course, methods of planting frequently mended that legislation be enacted, holding result in the loss of good stock. It is essential railways responsible for forest fires started by that the soil be thoroughly prepared, and that locomotives or by careless employees along the reasonable care be taken in the setting out as railways' right of way. Action in other matwell as in attention until the roots have de- ters was deferred, the members of the comveloped sufficiently to feed the part above mission deeming it expedient to first gather ground and produce increase in stem and leaf. as much information as possible on the various The effort is well worth while. The net re- questions that are due to be dealt with by the sult is an improvement in the home. When commission. Canada's national resources have a well kept vegetable and small fruit garden not all been squandered yet, politicians of both accompanies trees and shrubs the farm home parties to the contrary notwithstanding. We have some good sized belts of timber standing still; we have some rich fishing waters, some mineral lands yet unexploited, and the largest known area of unoccupied agricultural land in Pat Burns, meat packer, Calgary, in an the world. But there is need for conserving unpublished interview, is said to have voiced all of them, our agricultural resources not the This being granted why not act on Mr. the prophecy that Manitoba in a few years least. It is worth this country's while to Bradshaw's suggestion? It is much more will be buying much of her beef in Ontario, support generously the efforts of the commission satisfactory to husband the resources of the and that the West ere long will be a "has for the conservation of resources. We are starting this work here in good time, not too return of plant food than to restore fertility Sydney Fisher, minister of agriculture, Ot- early, but in good time as compared with the to a worn-out soil. Thorough cultivation and tawa, in a speech in that city sketched for his United States, and we need to stay with it. frequent summer fallowing will ensure good audience a West that in a few years will be Our resources are sufficient for all time if we yields for a number of years—depending on producing a billion bushels of wheat a year, look after them, or they may be squandered

Showing it to the Packers

first cropped. Experience has demonstrated now to buy a good deal of our mutton and The United Farmers of Alberta and the lamb in Ontario and Australia; sometimes we government of the province seem to have Furthermore the newer districts of the bring in hogs from the East when our hog reached an understanding in regard to the prairie provinces should profit by the ex-raisers are out of business temporarily, and establishment by the government of pork packperiences of pioneers. Weeds are recognized it may be that we shall find it convenient ing plants. For some time this question has as a serious menace to crops. They cannot some time to buy our beef in the same quarter, been 'hanging fire. The United Farmers' be eradicated except by persistent, expensive but we cannot see it that way just yet. Live Association, as representing the agriculturists and intelligent cultural methods. Then why stock raising is not developing with us as of the province, desired the government to not adopt measures designed to prevent rapidly as grain growing, for the reason that undertake pork curing, to erect factories and grain growing offers the larger money making look after the sale of the products, but the Mr. Bradshaw's letter is worthy of serious possibilities. But it is holding its own. The government, fearing probably that farmers consideration. His operations on what former- cattle we exported last season would beef even with government owned packing plants, ly was a weedy farm in one of Manitoba's oldest quite an army of grain growers, and probably and all the advantages which the existence of districts and his observations during 1909 by the time we are consuming at home all the such are supposed to imply — could not be cattle we produce, some of the disadvantages depended on for a supply of hogs sufficient to keep the plant running. So they r equired that before plants were erected and public money sunk in the enterprise that the farmers guarantee certain deliveries, that they sell to no who having spent almost a score of years in other packing house other than the government Manitoba and engaged in agricultural pursuits ewned establishment they have contracted during that time, and who had therefore witnessed with, and that if they do sell to another factory gone by, and who having had occasion to spend a settled districts of Manitoba where the result they shall forfeit a certain fine for each hog couple of onths travelling in Saskatchewan so sold.

This plan is a modification of the system in operation in Denmark, a system which is always tion was the newness of the villages and the numfavorably spoken of whenever one essays to talk ber of elevators at every little place, taking me co-operation, and which seems to have built back at once to conditions as they were on my up the bacon industry in Denmark to its present mark here that development is going on at a pace generous dimensions. Whether it will be in Saskatchewan that I never witnessed in Maniequally successful in Alberta remains to be seen.

The farmers have shown their willingness to in fifteen years. Railways are being built with give government controlled co-operation an a celerity that we never saw in Manitoba. There honest test, and seem ready to do their share. are at least three great systems of railways, all building lines and all eager to get their lines The croakers say it can't be done; that the through the best territory. It would seem, Alberta farmer and the Danish are different therefore, that Saskatchewan will very soon be individuals; that the conditions that have completely grid-ironed with railways. stimulated this demand in Alberta for govern- of the chief factors in the marvellous rate at which ment pork curing plants are different from settlement has gone on during the past few years those that started the Danes to building co- and which, if all signs do not fail, will go on at a operative factories; that there are a thousand lands of Saskatchewan are occupied. Another and one reasons why the scheme will never be factor which has contributed largely to the develsuccessful. But wait. Alberta farmers are opment of the province is the fine class of settlers serious on this hog question. They have had sprinkling of Americans who have come across the their fill of hold up methods of selling hogs, and line equipped generally with the means of making when you get men in that mood they're liable a good start, and, what is of still greater importo stick. The Alberta experiment is more tance, equipped with a knowledge of Western life and Western conditions. There are also many likely to turn out successful than any scheme settlers from Manitoba who went there with all designed for the same end yet tried in the the experience they had gained in their pioneering Dominion, for it starts with most of the factors days in that province. Undoubtedly Saskatche- That is probably correct. For many years there wan has a high average class of settlers and I am were worse markets in Manitoba than there are necessary for success provided for.

Barley for Export

Malting barley is quoted in British markets at present at from around 75 cents per bushel get all the land he can broken up for the production in railway construction now going on for grain of average malting quality to as high majority of the farmers in Saskatchewan are development of all the resources of the country as \$1.10 per bushel for the superior grades. falling into the same mistake the settlers in In Manitoba many farmers in the old settled dis-It averages 90 cents per bushel or better. Manitoba made in the early years of its settle- tricts are working along the lines of restoring Barley is quoted on the Winnipeg market at thought the stores of fertility in their soil would many farmers are engaged in depleting their lands.

48 cents. The transportation cost to Britain 48 cents. The transportation cost to Britain not be affected in their life time, and refused to of fertility. Let me say, speaking from expervaries, but is rarely over 20 cents and seldom keep stock or to put manure on the land, or in ience, that it is very much easier and vastly more under 10 cents per bushel. It would average settlers in Saskatchewan hold the same view and and the same observation may be made with equal about 16 cents per bushel. At this difference follow the same practice. It proved an improvi- force to weeds. It is easier to keep land clean a profitable export business in barley should be dent system in Manitoba. It will prove equally than to eradicate weeds after they are established. possible, but for this reason: we are not raising the type of barley calculated to sell to British themselves in the strongest terms against anythe type of barley calculated to sell to British thing but grain growing. I even heard a man of out of tree plantations. One can travel great buyers at the highest prices. We are producing more than ordinary intelligence declare that the distances over the prairie sections of Saskatche-

At these prices it should undoubtedly pay lessening of yield and a farmer would simply be sheller for his buildings and wasting his opportunities if he engaged in any- very readily be grown from seeds, cuttings and wasting his opportunities if he engaged in anyas well as growing wheat for export. If the thing else but growing grain. grain were worth from 60 cents to 80 cents per bushel at the head of the lakes, as it would be were we able to market malting barley in were we able to market malting barley in continuous cropping. There are some men fol- would be many times recompensed in increased England, at average yields as compared with lowing such a system from the first, but the great value to the farm, besides the advantages of wheat there would be a balance of profit in favor of this cereal. This question is worth playing groups as they possibly can from one years of the settler I know are busy years. favor of this cereal. This question is worth plowing, generally discing the land and seeding it are so many things to do, prairie to be broken. thinking about. Brewers in Western Canada again. I observe in such cases the land is getting wells to be dug, fences and buildings to be built, and, in fact, that is the inevitable result of but just as soon as it is possible to do so time profess to be willing to pay a premium on such a system. The summer fallow system gen- spent in setting out shelter belts will prove to be malting barley; exporters could handle barley erally keeps the land clean, and for that reason, time exceedingly well spent. as readily as they do wheat, if we had enough of conservation of moisture, is to be commended, with Saskatchewan, its vast extent, its great it to make an export trade worth while; and I am inclined to think that thorough fallowing stretches of wonderfully fertile soil, its capacity of the staple farm owing to climatic conditions, will be regarded as a ities for producing most of the staple farm from all accounts we can produce a superior permanent factor in successful farming in most products, and the excellent quality of those proquality of malting barley in this country if we Portions of Saskatchewan. set about doing it. It may take some little is not going to measure up to the requirements imagination to picture Saskatchewan in the years time to develop an export trade, but these of a permanently successful agriculture. Rich to come as the home of a prosperous and consuming speed to warrant that returns all the soil is in many portions of the province tented people, a province of vast and varied prices seem to warrant that returns should it is certain in due time to come under the same resources and producing wealth in totals that make it worth while.

Sound Advice for Saskatchewan Farmers

Possibly the impressions formed by one, many changes in conditions as the years have recently, may be of some interest to your readers of exclusive and continuous grain growing are in that province.

About the first thing that attracted my attenfirst acquaintance with Manitoba. I might re-

This development of the railway system is one satisfied that though adverse conditions may at in Saskatchewan today. Markets must be develtimes be encountered, the average settler "having oped and will be developed. It seems to me once put his hand to the plow will never turn markets will open up much more rapidly in back

tion of grain, and herein it seems to me the These railway systems will be interested in the fact do anything but grow grain. Many of the profitable to husband fertility than to restore it feed barley almost entirely and the prices man who talked stock raising, or, in fact, any-thing but growing grain in Saskatchewan was simply "batty." He contended that by a system have a grove of trees 5 or 10 acres in extent in a simply "batty." He contended that by a system have a grove of trees 5 or 10 acres in extent in a simply "batty." Would it pay to grow barley for export? of thorough summer fallowing there would be no few years time, that would afford him excellent these prices it should undoubtedly pay lessening of yield and a farmer would simply be shelter for his buildings and stock. Trees can

and for another very important reason, namely,

general laws of sound agricultural practice as will make present figures look small in comparison. other and older countries. The point I wish to Morden District.

make here is that the wise farmer will not practice the continuous grain growing system until he has reached the point where reduced yields and poor samples compel him to do so. Rather he will start in before that stage is reached and work into the different branches of live stock raising and a system of crop rotation suitable to his farm and locality. He may take warning from the condisettled districts of Manitoba, where the results plainly to be seen in weedy fields and dwindling yields of grain. Where this destructive system has been practiced too long the farmers find them. selves in a most unfortunate position. They al. lowed the time when their land was producing good yields of grain and when they were in a good position financially, to pass by without getting their farms equipped with fences and suitable buildings. The time has come when their very existence depends on being able to keep stock and they find the production of their farms has fallen off so seriously that no surplus revenue remains to put up fences and buildings and to buy stock to engage in a system of farming changed conditions imperatively demand Twenty years ago in parts of the Red River Valley one could drive for miles through fields of beautiful clean grain where today one sees weeds in evidence everywhere and their stands of grain, except on such farms as have been worked on stock and rotation lines.

The summer fallow system will endure for a time but as the years go by the farmers of Saskatchewan will find, unless I greatly err, that their fields will work into a fine powdery soil that will grow great crops of straw but will not yield their old time bushels to the acre, nor their old time plumpness of grain. Good work on the land, good seed and the other requisites to successful grain growing will all help to defer the change, but, I am satisfied, it is bound to come.

I know it will be said that there are no satisfactory markets for other produce than grain. Saskatchewan than they did in Manitoba, if for Naturally almost every settler is striving to no other reason because of the great develop-

young stock, and planted in a well worked piece

Altogether I was very favorably impressed ducts. If her farmers but pursue an intelligent But the following system alone, I am satisfied, system of farming it would not be drawing on the

G. H. BRADSHAW.

EDITOR Mr. Fa feted abo

February

has any 1 to the fa two of t Mr. Farn That is a advice. dispose business is where take what commodit Mr. Store. conduct t business business li Mr. Farme Then ag the manuf

ery, etc. Because M whereby co price of hi permit and do without than machi There is

way lies thi The latter, cessfully fo lies failure becomes a means in hi association. time, howe fighting for not to inter. doing we are the farmer s Sask.

Winning

The table awards at th published in t differ, so far that with whi past few year with a deal i the total nur prizes, the nu ber of prize a jority. Most duce have alre prize winners, aged stallion a the first-prize Northern, whe she was preferi most notable. comes second, noted represer mares, Minnew ready referred outstanding re handsome tw (14826), which the Spring Stal horse all the t Renwick's be Royal Review, Highland and Edinburgh, in the Strathmore had Royal Rev

Third place Baron of Buchi more rapid adva stallion than he fairly outdistan Pride, and he noted sires in Cl ners as Bonnie B fect Motion, Th mont, White Si credit, it is obvious in the Clydesda Revelanta (1187 nded 1866

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Aids to Produce Disposal

EDITOR FARMER'S ADVOCATE:

Mr. Farmer knows that to his cost.

Because Mr. Manufacturer is protected by a tariff, already referred to. whereby competition is nullified. He raises the price of his goods as high as the tariff-wall will permit and Mr. Farmer has to pay that price or do without. This applies to manufacturers other

than machinery. There is a remedy for these grievances, and the way lies through the Grain Growers' Associations. The latter, in my opinion, can and will fight successfully for the farmers' rights if - and herein lies failure or success - if, I say, every farmer becomes a member and uses every honorable means in his power to further the interests of this association. Therein lies success. At the same time, however, it is well to remember that in fighting for our own rights we should endeavor not to interfere with the rights of others. By so doing we are sure of public support, a power which

the farmer should not overlook. Sask. JAMES BARRIE.

HORSE

Winning Clydesdale Sires in 1909

past few years. Baron's Pride (9122) still leads and King's Plate made for the breed. the first-prize three-year-old mare at the Royal last summer and fall. Northern, where, to the surprise of most people, she was preferred to Boquhan Lady Peggy most notable. Mr. Pollock's Hiawatha (10067) comes second, with a capital record. His most noted representatives were undoubtedly the two mares, Minnewawa and Boquhan Lady Peggy, already referred to. Amongst stallions, his most outstanding representative was Mr. Leckie's very handsome two-year-old horse, Royal Salute (14826), which was first at Ayr, and second at the Spring Stallion Show. This is a gentleman's horse all the time. He is own brother to Wm. Renwick's beautifully-moulded two-year-old, Royal Review, which won supreme honors at the Highland and Agricultural Society's show, at Edinburgh, in 1907, and he was hired at Ayr by the Strathmore Horse-breeding Association, who had Royal Review under engagement when he

Third place on the list is worthily filled by Baron of Buchlyvie (11263). No horse made a more rapid advance in public esteem as a breeding stallion than he. By the results of 1909 he has fairly outdistanced all the other sons of Baron's Pride, and he promises to be one of the most noted sires in Clydesdale history. With such winners as Bonnie Buchlyvie, Dunure Footprint, Perfort M. fect Motion, The Right Honorable, Baron Belmont, White Silk, Brenda of Montrave, to his credit, it is obvious that his must be a high place in the Clydesdale honor list. His half-brother, Revelanta (11876), a former Cawdor Cup winner,

follows in forth place; and then the Sir Everard grade of results with nine prizes won by six anisuccession is broken by the appearance of Peter mals; while Veronique and Squire Ronald com-Dewar's splendid breeding horse, Royal Favorite bine with two others to give Montrave Ronald Mr. Farmer has been so long kicked and buf- (10630), fifth. The most notable of his nine ex- (11121) a strong lead among the sevens. Count feted about that he has almost forgotten that he hibits was Purdie Somerville's grand big horse, Victor (12108) takes first place among the fives has any rights, but I think he is at last awakening Scotland Yet (14829), which stood first at Kil- and promises to be perhaps the best breeding to the fact that he has. I might mention one or marnock, third at Ayr, and first at the Highland, horse among the sons of Hiawatha. His best two of the farmer's grievances: For instance, in the three-year old class. This horse created representative was, of course, Alex. Simpson's fine Mr. Farmer is told to farm along business lines. quite a sensation on all his appearances. At the big colt, High Degree (14703), which was first at That is all right so far as it goes — it is sound Highland he was an outstanding winner in his the Spring Stallion Show, and second at the advice. The difficulty comes when he tries to class. The best of the female produce was J. E. Glasgow Summer Show and the Highland. He dispose of his produce. He wants to sell on Kerr's Ferelith, the daughter of the celebrated also won other prizes locally, and bids fair to be business lines but, unfortunately for him, this Pyrene, which was first at Ayr, and H. B. one of the best and biggest stallions of his age. is where the shoe pinches. Mr. Farmer has to Marshall's yearling from Rachan, which was first The fours are pretty evenly balanced; perhaps take what price is offered or take the marketable at Edinburgh. She was subsequently exported at Royal Edward (11485) may be awarded the commodity home again. He has no redress a big price. Mr. Kilpatrick's young champion premier place. Of the threes, Up-to-Time Mr. Storekeeper and Mr. Manufacturer do not horse, Oyama (13118), takes a strong position as (10475) clearly has it with his representative conduct the producing part of their business on sixth is such a list, with twenty-one prizes won British time; and Rozelle's (10638) pre-eminence business lines and then sell their goods on un- by seven of the produce got by him when a three- is equally assured among the twos. The place business lines as Mr. Farmer does. Not he, and year-old. This, we suspect, is an unprecedented of pre-eminence among the sires which had each feat, and promises very well for the future of this one representative at these eight shows is quite Then again, Mr. Farmer is under the thumb of celebrated horse. Everlasting (11331) comes well plainly that of Sir Humphrey (11942), whose the manufacturers in the purchasing of machin-up with a return of eighteen prizes won by ten honor is safe in the record of St. Clair (14347). ery, etc. Why is machinery so high priced? animals, and of these, one had a championship, The following tables speak for themselves, of the first fifteen sires, and every pains has been taken Mr. Taylor's Sir Hugo (10924) brings in a new to make them correct:

11		Total		Sec-		Cham'n-	
Γ	Name of Sire. Baron's Pride (9122)	Prizes.	Firsts.	onds.	Thirds.	ships.	Animals. 25
е	Hiawatha (10067)	48	11	12	7	1	22 19
S.	Baron of Buchlyvie (11263)	23	1	3	2	2	14
n	Royal Favorite (10630) Oyama (13118)	21 21	4 2	2 7	3 4		7
e	Everlasting (11331) Sir Hugo (10924)	18	1	4	7	1	10 6
is e	Montrave Ronald (11121)	7	2	1	1	2	4
n	Marcellus (11110)	7	1	1	1		5
0	Count Victor (12108) Royal Chattan (11489)	5	1	2		1	3 4
h	Benedict (10315)	5		4	2		3
	Royal Edward (11495)	4		1			0

Thoroughbreds, Racing and Gambling

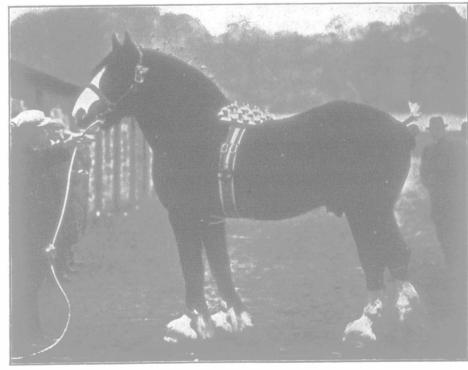
EDITOR FARMER'S ADVOCATE:

House of Commons, at Ottawa, has revealed the lessening thereby the stamina and courage. differ, so far as the first two are concerned. from oughbred and such classic races as the Derby, St. nuisance and deformity).

prizes, the number of championships, or the num- in to the racing of the Thoroughbred in America. injuriously the gate receipts. ber of prize animals, he leads with an easy ma- These evils are : (a) the tendency to make races

Aside from the damage done to the breed by some of pedigree-crazed adherents, it is apparent from the above, that many professed friends of The discussion which has arisen over the anti- the blood horse have by means of the sprint gambling bill presented by H. H. Miller, to the races done the breed incalculable injury, by House of Commons, at Ottawa, has revealed the lessening thereby the stamina and courage. The opinions of some prominent men on the influences sprint tends to the retention of horses of inferior of racing and race track betting on the breeding conformation, to the production of horses quicker The table of winning sires, as decided by the of horses, more especially the Thoroughbred. to start and more unmanageable at the post, awards at the eight principal British shows, as From the King down all people of British origin more nervous or highly strung (a quality now published in the Scottish Farmer Album, does not or extraction take a lively interest in the Thor- developed to the limit even to shading on a The protracted race that with which we have been familiar during the Leger, The Guineas, Gold Cup, Caesarwitch meetings (6) have turned a sport and recreation into a business, with the inevitable tendency to with a deal in hand. Whether the standard be Further, all true well wishers of this equine develop chicanery and crooked work up to the the total number of prizes, the number of first patrician decry two great evils which have crept limit the public will stand for, without affecting

Racing is, however, if honestly conducted, jority. Most of the most successful of his pro-short sprints, as they are termed, and (b) the essential to the production of the highest type duce have already been named. Of other first- series of protracted race meetings, engineered of Thoroughbred, but the races must be of such prize winners, Gartly Pride (12997), the first-prize solely for the sake of the betting fraternity, length and under such conditions as to develop aged stallion at the Highland, and Lady Dukina, meetings similar to those pulled off at the coast not only speed but endurance, and docility as well as quality, stamina and courage. As much



MEMENTO, A FINE TYPE OF HEAVY DRAFT FOR BREEDING PURPOSES.

people believe gambling essential to the improve-temperature of man. I presume that everyone plication. But if the fall is steady and regular, ment of the Thoroughbred, people bet nowadays knows that ordinary heat is due to a gas known as while every morning it is lower than the evening on stocks, cereals and produce, but no one will oxygen and that the amount of heat given out before, we may feel that it is a good sign and that claim that the effect is beneficial either to pro- bears a direct proportion to the amount of oxygen our patient will soon be convalescent. ducer or consumer. If betting on races is to be consumed. legitimatized by governments, why not let the Birds breathe very quickly, thus consuming tracting a contagious disease it will show an owners influenced to pull their horses? A system these points. In fact, the average temperatures in vogue, I believe, in France and Australia, of our domestic animals may be taken to be known as 'the pair mutuel," might with profit be Horse, 99½ to 101; dog, 100½ to 101½; ox, 101 made to take the place of the bookmaker and to 102; pig, 103 to 104; sheep, 104 to 105. betting as now carried on. Under the pair mut- But these vary with a number of things, for uel system a percentage is taken on all money example, climate, exposure, age, organs from bet and used to assist agricultural societies and which the temperature is taken, time of day, kindred organizations in the improvement of state of health, whether medicine has been given

live stock up, is very valuable when judiciously used, al- and so on. though readers doubtless know cases of very poor stuff from the loins of blood stallions; and has CLIMATE.—During winter time breathing is given stamina, courage and quality, yet withal it more rapid, more heat is required, therefore more is extremely doubtless if these attributes warrant oxygen is consumed, and the temperature, registhe legitimatizing by parliament of methods, tered by the thermometer, is higher than in the which in plain English can only be dubbed summer. (Please do not confound the higher crooked, schemes to pluck and rob the unsophis- temperature inside the body, with the greater ticated and incentives to filch an employer's cash. cold outside.) Again, in winter, one horse out-

STOCKWELL.

The Thermometer in Health and Disease

Dr. J. FIELDING COTTRILL.

instrument, which, in some peculiar way, tells than the average is registered. Again, in the waste the doctor all kinds of wonderful and curious very old, it may be as much below the average. things about the inside. What it tells they do not exactly know. How it tells they do not generally use, because it is easy of access, and The elevator is a cheap home made affair that know. In fact it is to them the most mysterious there is no danger of breaking our instruments, answers the purpose in every respect. The grain thing we have. If the horse is sick the ther- as there would be if the mouth were used. Prob- that is fed is mixed with the chopped feed and mometer is used. If it has the colic again the ably this is the main reason why we select this everything is eaten up clean. Every farmer thermometer is used. If there is a bad wound organ the thermometer tells the doctor something about it. If the horse will not eat, again the thermom- temperature of the heart and liver is from two seasons. Horses will pick the best of the sheaves eter is used. So it is, if the horse eats too much. It does not appear to make much difference The left side of the heart contains the purified or and a feed of oats or chop mixed with it, every lungs, the body, or the limbs, because in every right side which contains the impure or venous quantity of sheaves only will be required. case, and in every place, the thermometer blood. An organ when at work is higher in tem- With regard to the question of whether the appears equally at home and ready at all times perature than when at rest. All this, though in- refuse left, when used for litter will improve the to divulge the innermost secrets. Such are probably the thoughts of the average stableman.

Many will not hesitate for a moment to ask me questions about drugs or medicines, but few will ask me about the thermometer. If, however, one fille dwith the courage of a Bayard, or some other low temperature, but in the evening after eating, mentioning. hero, should ask me what is the normal tempera-digestion, physical and mental accivity, and the ture of a horse, the rest in the stable will listen thousand and one things, which effect us and our with bated breath, and, as I unhesitatingly reply, animals, the temperature will be higher than in will give a sigh of satisfaction, as though to say, "Oh! that's good! That's something worth daily or diurnal variation. knowing!" It therefore appeared to me that I might tell a few of the secrets concerning this instrument, and lift up the curtain just a little to show some of the wonderful things it betrays

or quicksilver, about ½ inch long and roughly expect the animal to die. speaking about ½ inch in diameter. From this runs a narrow tube from four to six inches long in the middle of a somewhat triangularly shaped to assist us in finding if our animals are diseased glass rod. These triangularly shaped ones are so made that they may magnify the narrow tube to assist us in inding it our animals are diseased. In the extreme. Perhaps if done by an experienced hand death might be quicker. But Precently: Prec inside. In the one before me now that internal recently: Pneumonia, 105, 106, 107; influenza, how often is it done by men who are not expert tube has an apparent diameter of about onesixteenth of an inch, but in reality it would barely similar to preceding open joints, varied, but half an hour until caught, and then stabbed. admit a hair. In fact it is termed a capillary, or hair-like, tube.

There are many kinds of thermometers, but the one we use is known as the clinical ther- non-contagious disease; a temperature of 102 to the long bladed knife. This was repeated about mometer, and differs from the rest, in that the 104 would tell us that the fever was severe. If a dozen times, before death relieved the poor mercury will readily rise when heat is applied, this was still rising there would be great danger, beast from its inhuman tormentors. The animal but will not fall when the heat is withdrawn, and if it went to 105 or 106 we might expect died from disgraceful abuse, rather than loss of otherwise it would be of comparatively little death. But even then if the temperature fell blood. use to us.

closely at a clinical thermometer and you will see would be justified in saying the animal was Before commencing to kill we make a fire; over just above the bulb a contraction. This is the decidedly worse. cause. The mercury below this will sink, but We can readily imagine that an elevation of chain to the lug on each side. Then over a that above will retain its place, because it cannot temperature is due to some disease process, and, cross stick which passes over and above the pot squeeze through the narrowed tube until we therefore, should regard it with suspicion. If and fire and supported at each end by a couple

Most of these instruments are marked from some complications setting in. 94 to 110 and each degree is again divided into
If the morning temperature is higher than the feet long and the bottom 18 inches wide tapering

cannot be said for betting. I do not believe sane pointing to 98 3-5, which is regarded as the average fall, we may expect either death or some com-

system be made to yield a tax, and be so conduct- much oxygen, and their temperature lies between increased temperature before he shows any exed that races cannot be affected or jockeys or 106 and 110. No others of our live stock reach ternal signs. recently, etc. Exercise will increase it. At form the quarantine regulations authorized by The blood of the Thoroughbred, if not too close meal times it first goes down, and then is raised,

Now let us consider some of these things

side in the cold will register higher than one in the stable. This may puzzle some readers unless they think. I am referring to the heat inside the body. Still this difference is of little prac- to cut hay, sheaves or straw for winter feed, if tical value in a general way, because it is usually the power is available to drive the cutting machine much less than one degree.

To most people the thermometer is a mysterious temperature; in some cases quite a degree higher is more palatable, and there is practically no

ORGANS TESTED.—The rectum is the organ we his feed. The power is a steam traction engine.

to two and a half degrees higher than the rectum. and leave the rest, whereas if the sheaves are cut whether the disease is in the head, the eye, the arterial blood and is a degree higher than the thing will be cleaned up and about one-half the teresting, does not concern us to any great extent, quality of the manure, it certainly would cause since we always use the same organ.

part to us. Early in the morning and when every the fodder is fed in the way suggested above, organ has been at rest during the night we find a don't think there will be any refuse left worth the morning, and this variation is known as the

Here is the important point. Whenever this variation keeps within certain limits, no matter doing his work, nor yet his way of killing pigs, how sick the animal may be, there is comparatively little danger. But when these variations are All thermometers are not the same in appearance. Our kind consists of a tube of mercury ance. Our kind consists of a tube of mercury, about 1 inch long and reach the may expect the worst; or in plain words, which the pig is stuck before being stunned, or anicksilver, about 1 inch long and reaches allowing the poor

to assist us in finding if our animals are diseased. reneves it. This is certainly disputation at random in the extreme. Perhaps if done by an ex-104; laminitis, 103, 104, 106; Punctured wounds

between evening and morning, the veterinarian The first question which naturally arises is: would not give up hope. If, however, the tem"Why should the mercury keep up?" Well, look perature rose between evening and morning he
"Why should the mercury keep up?" Well, look perature rose between evening and morning he
This method has proved highly satisfactory.

it remains high there is a constant danger of of boxes, we scald the pigs in a trough. This

You will find, too, that when an animal is con-

STOCK

The Health of Animals branch of the Dominion Department of Agriculture have issued in bulletin the government November 30, 1909. The regulations published cover the importation of all classes of animals into Canada. the terms of inspection, the testing of suspected animals and the retention of such in quarantine. Anvone interested in importing and exporting live-stock should procure a copy of these regulations for his guidance.

Pays to Cut Feed

EDITOR FARMER'S ADVOCATE :

I am of opinion that it pays most decidedly and necessary conveniences handy for elevating the cut fodder into the loft for feeding down into AGE.—The younger the animal the higher the the stable. I believe the cut feed goes further,

A neighbor of mine makes a practice of cutting knows there is considerable waste in feeding It has been proved experimentally that the oat sheaves, especially at seeding and other busy

the manure to rot more quickly than long straw TIME OF DAY.—This is the most important manure. The manure would settle closer, but if

F. H. PHILLIPS.

Details of Pig Killing

EDITOR FARMER'S ADVOCATE

I do not care to criticize any man's method of but on the majority of Canadian farms at pig killing time cruelty appears to be no object, and otherwise rendered senseless, allowing the poor peast to welter and scream in its own blood for five or ten minutes, oftimes longer, before death relieves it. This is certainly disgusting and cruel at the job? I have seen pigs chased around for always a rise; kidney disease, often lower than Then they were allowed to go again, but as very little bleeding followed this stab the pig was Suppose now, we have a horse sick from some again caught and received another thrust from

this we hang our 40 gallon pot by attaching a The trough is seven fifths (or tenths) and usually there is an arrow evening, the danger is great. If there is a sudden to 2 feet at the top, and 16 inches deep. It is Februar

made (boiling form 1

for larg There go to t starved throw a first pig inches a pig on it about 3 in the r perfect a little do Let the There is

and frig done qui We pl water to rope 10 trough a ropes are water. I trough, po is half fu ropes are by simply the heavie After scal pot to be now scrap with warr

We nex between th the bone. the middle bone cut d take the ar legs. This around here the belly 1 from the k at the top fully—sever ever neces: cut it awa the breast b a knife and ing down the When all ar carcass is le In cutting

bone from t saw down tl parts. It is around the k out the rib under the ri lifting up th completely u hip joint. T away entirely smooth. The trimmed nice cool before sa

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inches above level of the eyes. Then we roll the every six days, and more salt is put on. pig on its back, and push the knife into the neck is no danger of getting them too salty. in the middle of the neck. Keep the knife in require about two and a half weeks.

ropes are used to move the pig in the boiling Man. water. Place the pig feet downward in the trough, pouring on boiling water until the trough is half full. At the same time two men at the Editor Farmer's Advocate: pot to be ready for the next pig. The pig is the coarsest may be eaten. now scraped clean, hung up and washed down

with warm water. When all are removed, the head is cut off and the easily and surely be given.

ool before salting.

made of inch boards and watertight. Near the We have always used the dry method of salting, boiling pot and trough we provide a small plat- doing our curing in the cellar. We place a door form 16 inches high on which to scrape the pigs. upon the cellar floor and over it is spread about We use a 22 rifle to kill the smaller pigs and half an inch of salt. About five hams or shoulders for large hogs with thick skulls, a shot gun. are now laid in a square. Salt is rubbed well There is no bustle or excitement. We simply into the skin end of the leg bones, and over the go to the pig house where the pigs have been lot is laid about one inch of salt. Another layer starved for 24 hours, quietly open the door, of hams and shoulders are now placed on top throw a little feed into the trough, and take the and treated in the same way until all are done. always are obtained from men engaged in actual first pig that presents itself in good position by The flicks are piled by themselves, as they do not farm work The Farmer's Advocate has adopted aiming at the center of the forehead about four require so much salt. The meat is turned about the "Topics for Discussion" column in order that about 3 inches in front of breast bone and square and shoulders are left in salt four weeks. Flicks as to practices that are worth adopting and warn

perfect line with the body, inclining the point After this the salt is all rubbed off, and the Not only do we wish our readers to discuss the alittle downwards, pushing it in about eight inches. meat is hung up in a cool dry place for a week. topics announced for the various issues but also Let the pig roll on its side, and the job is done. Then it is ready to smoke. We have a building we desire that they suggest practical subjects on There is no chasing or tearing around, catching 8 x 14 feet. In this a small box stove is placed which it would be well to have discussion.

There is no chasing or tearing around, catching 8 x 14 feet. In this a small box stove is placed which it would be well to have discussion.

This notice appears under the "Farm" depart-done quietly and humanely.

This notice appears under the "Farm" depart-done quietly and humanely.

EDW. HENDERSON.

Thinks Cutting Does not Pay

After scalding, the water is again put into the necessary to cut straw and fodder so that even under which you have had experience.

different. Comparatively few have large barns for this purpose from your best stock? We next remove the insides, by commencing and dairying is not, as yet, at all general. Straw, you ever used a trap nest? If so, with what rebetween the hind legs with knife cutting down to also, we regard as more of a nuisance than a sults? Do you know of any other method of sethe bone. Now run the knife lightly down the valuable feed. Therefore, individual conditions lection that is just as good and simpler? the middle of the belly. On coming to the breast will decide whether or not cutting feed pays. February 23.—What do you consider to be bone cut deep right out to the head. Then we Unless one had a bank barn it could scarcely be the most satisfactory crop rotation? Discuss take the axe and cut the bone between the hind done at all, for if outside the wind would play briefly the nature of your soil and make special This exposes the bowels. Cut carefully havor with the cut feed. Then feeding would mention of means adopted to enrich your fields. around here and remove the bladder. Then open require more labor, for it would take more time to March 2.—What type of seed drill would you the belly right down, protecting the intestines gather up a basketful of cut straw, mix bran and advise a farmer purchasing? In what conditions from the knife with two fingers. Commencing cut roots, etc., than it does to throw in an oat would the hoe drill, the shoe drill, or disc drill at the top again we pull the insides out care- sheaf (as most of us do), not to mention the cost work most satisfactorily? What considerations fully—severing attachments with the knife when- and labor of the cutting. The cutting process would influence your choice of a drill? What ever necessary. After reaching the stomach also breaks up the leaves into dust, which is are the "strong points" of a satisfactory seeder? cut it away from the liver. We next cut injurious to animals and especially horses. Of the breast bone open with the axe and then take course, there are advantages. Less feed will be a knife and cut around the liver and lungs, follow- thrown out by the animals and by mixing with ing down the wind pipe until the tongue is reached. bran and roots a balanced ration can be more



Topics for Discussion

In recognition of the fact that valuable hints There our readers may see an open channel through Hams which they may inform their brother farmers them against methods that prove unprofitable.

We place scalding trough near the boiling as high in the building as possible. For making branches of the farming industry. Letters should water to be handy. Take two pieces of 3-4 inch smoke we use elm and poplar, and smoke five not exceed 600 words and should reach this office rope 10 feet long, and place them across the days. Then the meat is hung in a cool dry place, 10 days previous to the date of issue. They are trough a foot and a half from each end. These and in three weeks is ready for the table.

read carefully and a first prize of \$3.00 and a read carefully and a first prize of \$3.00 and a second prize of \$2.00 awarded each week. Other letters used will be paid for at regular rates to contributors.

February 9.—What do you consider the easiest ropes are moving the pig to any position desired. In the Eastern provinces, where there are large and most thorough method of clearing "scrub" by simply both lifting together. In this way bank barns, frost proof root houses, silos, large land? Discuss different systems for various the heaviest pig can be easily and quickly moved. herds and expensive feeds, it is absolutely tree growths, or particularize for the conditions

> February 16.—What method do you follow in se-In the West, however, conditions are very lecting eggs for hatching to ensure getting eggs

The Question of Barley

In the discussion on two-rowed and six-rowed barleys, published herewith, some interesting carcass is left to stiffen before being cut down. The advantage of cutting depends then upon information is offered on the question as to In cutting down we start at the back of the the kind of buildings and the kind of stock the which type of barley is most profitable for the pig and cut right through the flesh to the back- farmer keeps. If near a suitable market and he Western farm. As a rule, six-rowed varieties bone from top to bottom; with a hand-saw we has a high class of dairy cattle he can make it are grown, but there is no reason why we should saw down the backbone and the pig is in two pay, but as long as mill feeds at local points are not grow in this climate a superior quality of parts. It is now removed to a table and the fat so high and rough feeds so plentiful, labor so malting barley, barley that could be exported or around the kidneys taken out. We always take scarce and beef cattle so cheap, I do not think it used for malting purposes by brewers in this out the ribs and backbone, by commencing will pay the average farmer to cut his rough feed. country. At present no export barley trade exunder the ribs near the shoulder, cutting and With regard the manure, however, the cut feed ists, and Western maltsters state that they relifting up the ribs as we go backwards, getting has a decided advantage. The short particles quire to import from the East a large part of the completely under the backbone on reaching the will make a much better absorbent and can be barley used. There may be some all-important hip joint. The ribs and backbone are pulled more easily and evenly spread than can long reason why we should not produce a high-class away entirely, leaving the whole side of the pig straw. This would lessen the danger of manure, malting barley in this country, or why an export smooth. The hams and shoulders are cut off, when plowed under, stopping the capillary action trade should not be established, but we have not trimmed nicely of all ragged pieces, and left to and thus causing the ground to quickly dry out. been shown it yet. This barley question is worth

In the competition the prizes are awarded in the order in which the contributions appear.

Five Years' Experience with Tworowed Barley

EDITOR FARMER'S ADVOCATE:

It seems to me that the growing of barley in the West, either two-rowed or six-rowed, does not receive the attention it deserves, and although there are many farmers who know that barley is a good thing to grow and to have, the majority of them never give it a chance. "Any old land" and "any old seed" is good enough for the barley patch. Naturally, the results at threshing time of such methods of cultivation do not tend to draw any special attention to its possibilities.

But to return to the subject for discussion, "Two-rowed barley as a crop." I have been growing two-rowed barley for the past five years with very fair success, and each year I like it better, so my opinion is very decidedly in its favor. The advantages I find in its favor are: A longer and stronger straw, that stands up against almost any weather; a larger and plumper berry and a very much heavier yield, and from what experience I have had it resists drought better than the six-rowed type. This latter assertion I quote only from my own observations,



MERRIMENT HEREFORD COW, FIRST AT ROYAL SHOW 1909.

but which are not sufficient to warrant that this as to the medium or lighter soils. Further I bad malt. If farmers grew two-sowed in car ordinary six-rowed, and the difference of a week a fair chance. or ten days is easily avoided by a little earlier seeding if the time of ripening is required to be a

I am not a brewer, and therefore am hardly qualified to make a definite statement that the EDITOR FARMER'S ADVOCATE: malting quality of Western barley is A1, but I think I can get around the question in a very satisfactory way by answering the query "What constitutes a good malting barley? Itisthis: Asound, plump berry, with its germinating power totally unimpaired and of a bright color. Well, Mr. Editor, we can grow barley in the West with all these properties; perhaps not quite 100 per cent. perfect, but very near it.

But it must be understood that to grow such barley for yield and quality, there must be the proper conditions-thorough cultivation and good, clean land. Barley requires soil that has been thoroughly pulverized and a good seedbed, in order that the fibres of the roots which are very tender and minute may readily penetrate the soil in search of the necessary nourishment. Barley on this sort of ground is, I think, the surest crop we can grow, when drought is a question of consideration. Given a fair start at seeding, with the seed properly placed to moisture time, barley will, if the soil was well prepared. give a very fair crop, even in the dry

There is another point to consider. Even though the quality of the barley may not merit its qualifying as a good malting commodity, and it is the point unto which all the farmers look first, viz., the dollars and cents. As far as I can ascertain the English and European markets would be the best at the present time. ing the English market for an example, the prices, I understand, range from 75c. to \$1.00 per bushel for such barley as we can grow. Freight rates, quoting from Winnipeg to Liverpool, run according to season from 7c. to 20c. per bushel, making an average of 14 cents per bushel. To owed barley, such as the Standwell or Malster and other varieties suitable to our soil and climate will run in yield from 45 to 70 bushels per acre, weight ranging with the season. This is not a very hard matter to figure out, and if this price can be realized it looks to me to be as good a proposition as Red Fyfe. Of course, a market has got to be established and a trade developed before it would be safe for us to branch out into the business on a large scale. But I happen to know that such a business and trade is being pushed and sought for, with a fair outlook and there is no doubt our respective govern- EDITOR FARMER'S ADVOCATE: ments, together with the Dominion Government. will forward and assist any such trade by the Government lecturing before a large body that is likely to benefit Western agriculture.

of place. Color is the brewer's one hard mark "It is no use putting it on peas, it won't do them couch grass on my farm. It is spreading over in barley, and color we have to make for top a bit of good." A man in the hall spoke up and the valley very fast and no one seems to know prices. I don't think there is any better counsaid: "It's no use your coming here and telling what to do to prevent its spreading. try than ours for color. The only trouble is to us that, gov'nor; we've tried it and we knows. Keep it. My idea of obtaining the best color is to two rowed barleys from England so ought to cut the barley just when the heads begin to droop two rowed barleys from England so ought to eradicated it will soon take ways before the berries are hard. Remember was Webb's Chevalier, secured from the firm be plowed lightly about the latter end of June, this is a malting proposition, not for seed. Cap that are seedsmen to King Edward. I got it well harrowed, and then cross plowed during this is a malting proposition, not for seed. Cap the shocks, which must not be too large, and with other barley direct from them. Chevalier July. This will bring a large number of the roots. stack or thresh as soon as the grain is hard. This has taken the Brewers' Prize, London, England, to the surface, where they can be drawn to the is essential for color, and if one has a market for open to all the world 8 or 9 years in succession. surface with the ordinary spike-tooth harrow. malting barley. Don't leave the barley threshing All I got did well here, but they all take from or, better still, with a spring-tooth harrow, and malting barley. Don't leave the barley threshing till last, as is generally done, for each rain leaves two to three weeks longer to ripen than Mensury then raked up and burned. its mark. Thresh the barley first, and remember or other six-rowed barleys grown here. This that your other grains will not lose a grade in does away with the object of many in planting only be carried out successfully during a hot, better

and there seems to be a great idea that color is barley is cut. One year I should have sent to all necessary to the brew. Again, I am not a Brewer's exhibition but for expense, brewer and will not argue the point, but I don't I hear brewers or makers of malt will not buy think I am very wide of the mark in stating these barleys because they can buy them only the soil must not be allowed to get dry before the soil must not be allowed t perience with two-rowed barley has been on a barleys with native varieties as they would not Cultivation during damp weather, or when the medium loam. I cannot say what it will do on germinate together; so that if one was just right soil is wet, only helps to spread the roots and in-

is always the case. But at the same time I think that the question of growing malting lots brewers or maltsters may buy. You could fancy that this will prove the rule. The only barley is one that the Western farmers should grow many more bushels of barley to the acre disadvantage that I can see is that it is in general look into. Let them get together and solve the than wheat, and if you could get a good price a little longer ripening than the majority of the question of market. We can grow the barley for it, it may pay well to plant it in place of a six-rowed types. But there are several types of as well as other countries. Let those that wheat crop, instead of a catch crop or a weed two-rowed that are just about as early as the doubt it try a few bushels of good seed and give it killing crop as stated above. I should plant it

R. H. CARTER.

Tow-Rowed Malting Barley

During my five years of farming in the West Editor Farmer's Advocate: and in this district only I have raised two-rowed barley with more or less success, and, taking the purposes, I think if you will refer back to the five years crops as a whole I say good success. years 1890, 1891 and 1892 you will find that The best features of the business are that I have the farmers west of Brandon, more especially sown a good deal of barley after wheat seeding, around Alexander and Griswold, raised quite a and when sown the fore part of May I have been lot of two-rowed barley known as Carter's Prize able to fall fallow the barley ground. The best Prolific, and it was a splendid malting variety and and heaviest (forty bushels to the acre) crop I a very heavy cropper, but appeared to have a have had was sown on the tenth of June. My soft straw and lodged very badly, as the head two-rowed 1908 crop sown May 28, won first seemed too heavy for the straw to carry it. J and sweepstakes for the southern division of counted 92 grains of barley in one head, and Saskatchewan at the Regina Seed Fair. It eleven heads from one grain. This was in a was taken out of the general crop without five acre field of C. E. Hall, a prominent farmer any special preparation of seed or land, or fore- of the Alexander district. I had the pleasure of thought as to exhibiting.

vantages over six-rowed or any other rowed off that five acres, and I am satisfied that nearly barley, and simply consider it the best barley to a third of the crop was left on the ground, as it raise in this part of the West. I have had little was lodged so badly. I know Mr. Hall offered a experience as to the malting merits of any barley. man he had hired, with his three horses, \$1.00 per Many years ago the wheat production of Eastern acre to cut that barley and find the binder, and Ontario fizzled out and farmers had to turn their he would not do it at that price, but cut it by the attention to other farm products, amongst which day. was the raising of barley fit for the Eastern States I know this as a good malting barley, as much malting market.

rowed barley, all things considered, was the most lighter soils, where it would not grow such rank satisfactory and profitable to produce. It was straw. evener and plumper in kernel, being taller and I may mention this five acres of C. E. Hall's more erect was easier to harvest, was less liable was in a field he had had fenced off for three to rust and color with dampness and dews and years for a pasture for the cow he kept for the commanded higher prices than the multi-rowed use of the house. varieties.

From my western experience in barley raising, barley for malting. It has to be the right color. were I to pander to the malting market, I cer- I find a heavy dew or a misty day or two will tainly would stand by the two-rowed varieties change the color of barley. Certainly anyone of barley. I understand from maltsters that they who wants to grow barley for malting will have desire and look for a clean, smooth, even, plump, to make small stocks and cap the stocks, and be heavy, and, above all, a bright grained barley, sure your cap sheaves are kept on. I therefore consider the malting quality of tworowed barley of sufficient merit to warrant barley, is the fact that it takes too long to grow farmers in many sections of the West undertaking and ripen. I find growing the six-rowed barley the production of this cereal.

J. E. FRITH.

Satisfied with Two-Rowed

I remember in England a gentleman appointed of market gardeners on the uses of artificial Editor Farmer's Advocate: A word or so regarding color may not be out manures. Speaking of nitrate of soda he said: A Kenville reader writes:

I have tried farm.

so easily is barley germinated or discolored.

One often hears discussions on barley color, to catch a lot more before fully matured when line harrow it once and sow about three bushels.

One often hears discussions on barley color, to catch a lot more before fully matured when line harrow it once and sow about three bushels.

think I am very wide of the mark in stating that the color as called for, by the brewer, is in small lots at the present time, and I know to the soil must not be allowed to get dry below that the color as called for, by the brewer, is in small lots at the present time, and I know to the seed is sown otherwise the couch grass will more for a safeguard and surety; that the germin- mix them with native barley such as Mensury, and the seed is sown, otherwise the co-ating qualifies are not destroyed. either by you would make very inferior malt. I have treating or growth, either of which renders had a good deal of experience in malting in barley absolutely useless for malting purposes. England. You want even there to class your the land rough so as to expose the roots to the winter fronts of them. In conclusion let it be understood that my ex- barley for each wetting, and not to mix these winter frosts often destroys many of them. the heavier clays, but I am of the opinion that to go on for drying the other would not be far crease the pest. neither kind of barley is as well suited to clay enough advanced. The consequence would be M. A. C.

the last week in May or not later than the first week in June.

JOHN C. WALKER Man.

Old Country Grower's Experience

In regard to two-rowed barley for malting busheling this crop when it was threshed, as we I find that two-rowed barley has many ad-used the bushels then. I busheled 335 bushels

of it is grown in Gloucestershire, where I came It was soon found from experience, that two- from, and I believe it could be grown here on the

There is another question about growing

The great drawback in growing two-rowed is one of the best methods of clearing a farm of wild oats, and the two-rowed variety is no good at all for that purpose, as all oats shell out before the two-rowed barley is ripe enough to cut.

I. BENNETT.

To Combat Couch Grass

During a dry summer the land may

June; harrow it once, and sow about three bushels of barley per acre. If the land is moist, the

S. A. BEDFORD.

K'At wha farmers to and how plowed ? Ans. generally be plowed time to pu The pro ditions. is possible over. Thi backsetting summer fal fairly deep the soil and M. A. C

February

EDITOR FA The plac under an ol and I find it we can use. as it is gene about 16 in out, but las myself made in town and in one day rough ice fo The way out all the o and put a some length as it will so

away freely.

and the ice co

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wall and pac and fill up all I start again in four layer Then I get a will pack in b chaffy as poss around the can't get ano fill up the ch boards and it take it out the I would lik Mrs. Brown's the hot spell pails and fill chairs near t draught was

> Man. Ice Su

nice and cool a

EDITOR FARMI When a boy stream in Easte ance and conopened up an o and 8 feet deer poles to prever about two feet sawed out blo three feet wide vith a chain. hole with crow ice closely toge straw to the de



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Depth of Plowing

L'At what season of the year do you recommend farmers to plow land in the Red River Valley, and how deep would you advise such land to be plowed?

Ans. — The soil of the Red River Valley is generally a stiff clay loam, and such soils should be plowed in the fall; the winter frosts then have side.

time to pulverize and mellow it. The proper depth depends on several conditions. New breaking should be as shallow as it

is possible to plow, providing all the sod is turned over. This depth should be increased when backsetting and also at each fall plowing and summer fallow, until five or six inches is reached; fairly deep plowing or stiff loam helps to pulverize the soil and admits both air and rain. S. A. Bedford. M. A. C.

Ice Stored in Cellar

Editor Farmer's Advocate:

under an old frame house that I use as a granary and I find it keeps very well, as I always have all we can use. I put it up about the first of January as it is generally about the right thickness then, about 16 inches. For several years I sawed it out, but last year several of my neighbors and myself made arrangements with the livery man in town and borrowed his ice plow and took out in one day all we wanted to store and enough rough ice for soft water to last till spring

The way I store it is this: In the fall I clean out all the old straw and rubbish from the cellar and put a layer of poles, some crossways and some lengthways, in the bottom to give drainage, as it will soon melt if the drippings cannot get away freely. I have a chute from the outside and the ice comes down in a hurry. I start on the far side from the chute about two feet from the wall and pack it in solid about eight feet square I start again on the far side as before, and I put in four layers, that is, about five or six loads. Then I get a load of straw, oat straw is best, as it will pack in better than wheat straw, and get it as chaffy as possible, and tramp it in as solid as I can around the stack of ice and over the top, till I can't get another forkful in the cellar. Then I fill up the chute and cover it over with some boards and it is there ready for the summer. I take it out through the old trap door in the floor.

I would like to tell you about a scheme of Mrs. Brown's to keep the bedrooms cool during the hot spell in August. She would take candy pails and fill them with cracked ice and put on chairs near the windows or doors where the draught was coming in and the house would be

nice and cool all night. OLIVER BROWN. Man.

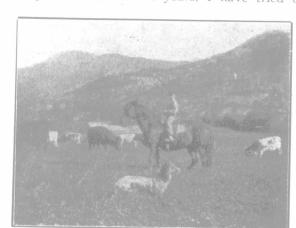
Ice Supply Easily Provided

EDITOR FARMER'S ADVOCATE:

poles to prevent caving in. When the ice was kind to prevent their breaking. about two feet thick he went on the river and From my boyhood experience I ice closely together. Then he covered it with very well on seven feet square. straw to the depth of about two feet and put a

slanting board roof of two thickness above. The air circulated all through between the straw and cover. We had ice all the season for all farm purposes.

On coming to Manitoba we felt the need of ice This well was on a hillside, sloping a little should such a house cost? ward and was shaded with trees. This I northward and was shaded with trees. boarded up with rough lumber and packed tightly my winter's wood, about four inches deep.



and fill up all the cracks with pounded ice. Then SANDY, "BILLY" AND "LASSIE" HERDING COWS NEAR LYTTON, B. C., IN THIRD GROWTH OF ALFALFA LAST SEASON.

throw out quite a quantity of old ice which remained after my summer's use. I generally fill it three or four depths of ice and like the ice about 15 or 18 inches thick to put in.

I know of an ice house made on the same principle, seven feet square, on level ground (shaded) that gives equally good satisfaction.

My dairy is from 8 to 12 cows, and if rain water is scarce we use from the ice for soft water for cream separator.

As to cost the only expense would be for lumber and 400 feet at most would be an abundance.

As to filling, two men with a good small crosscut saw and ice tongs can cut and take out a suffi-

MANITOBA PIONEER.

Building a Small House

What is the best way to build a small house 20 x 20 and 8 feet high? How many ply of On coming to Manitoba we felt the need of ice boards would you put outside and inside to have for dairy purposes. I enlarged an old well it warm? I want a square roof. What material (which had gone dry) to the size of eight feet is advisable for foundation - cement, stone or square and about eight feet deep on the highest brick? I want the wall 6 feet high. How much

ALLAN SUBSCRIBER.

The details at hand are too meagre and the with ice cut in blocks about twenty inches square, cost of material on the ground would go a good more or less, according to the thickness, and cov- way toward increasing or reducing the cost of ered with the sawdust I had saved from sawing such a building; also what work or attendance the owner would be prepared to give. As to the I then put a double board slightly sloping roof basement I might suggest that six feet high is too just above ground with a trap door to get out and low. It should be at least seven and one-half in and for future filling. This hole had no drain feet high and if stone can be got handy it is all from it and only the bare earth to put the ice on right and as cheap as any. Cement is all right, in the first place, but afterward four or five inches too, but good gravel or sand would have to be got of sawdust in the bottom. I clean it out and near by. I would also suggest putting the beams level the bottom each fall before it freezes, and or collar ties about two feet up on the rafters, The place that I store my ice in is a cellar always, but once in 15 years, I have tried to so as to allow a higher ceiling and instead of running the roof to a peak I would make a square frame about 4 or 6 feet and nail the rafters to it and have a small flat top.

In this country a house must be warm and it is a good plan to leave the foundation out far enough so that if ever you wish you can veneer it with brick. It will require two courses of lumber on the outside and one on the inside with heavy building paper, both inside and out, and stripped and lathed and plastered. I think perhaps both the material and work can be had cheaper in Saskatchewan than in Winnipeg, as there are generally small sawmills around and so you have not to contend with the combines in

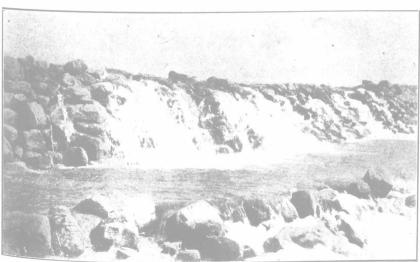
lumber or labor.	
Below is an approximate cost, with	out the
basement or painting or partitions:	
Shiplap, 3200 feet, at \$25 per M	\$ 80.00
Siding, flooring and finish, lumber	,
1500 feet, \$40	60.00
Scantling and joists, 1500 feet at \$20	00.00
per M	30.00
Lath, plaster and work, 115 yds. at 35c.	30.00
per yd	40.00
Doors and windows	15.00
Hardware	10.00
Paper	8.00
Carpenter Work	60.00
	00.00

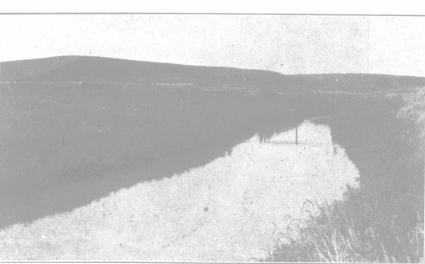
\$303.00

The cost of the foundation will depend on the washing, etc. Mrs. R. does not think she could material used. If stone, sand and gravel can be do without the ice, even though we have a good secured near by the cost will be small. A local supply of good water at hand, and also use the contractor or mason would give close figures on that part of the work.

GEORGE KERR.

Speaking at the Ottawa Canadian Club the cient supply in one day, and in another day saw other day Sydney Fisher, Minister of Agriculture, When a boy I was raised on the banks of a long distance to go. Last year two of us sawed a billion bushels of grain a year. He said that ten stream in Eastern Ontario, where ice was in abund- and hauled out enough in one day to fill two ice years ago the three western provinces raised only ance and convenient for storage. My father houses of this size; but, of course, there is a 23,000,000 bushels of wheat. Last year they opened up an old root house, about 12 feet square knack in being used to it. It is best to let the raised 147,000,000, and there has been a proand 8 feet deep. This he cribbed up with cedar blocks of ice down in with a windlass of some portionate increase in other grains. His estimate that there is available in the Canadian west probfeel satisfied ably about seven times as much sawed out blocks about two and one-half to that ice could be kept as described by covering under cultivation last year, and if Canadians are three feet wide and as long as a team could draw with chaff, say a foot thick if you have not able to keep up the average of production, with a chain. These he drew up and slid into the the sawdust, but I have never tried it in this Manitoba, Saskatchewan and Alberta will some hole with crowbars and packed three depths of country. About four barrels of sawdust will do time in future produce one billion bushels of wheat or about one and a half times the production of the United States.





IRRIGATION DAM AND 200 FEET OF FLUME NEAR BATTLE CREEK, SASK.

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Flax on New Breaking

What is your opinion re sowing wheat or flax on scrub land, spring breaking? I intend to break 50 acres of new land, while putting in the other crop. Do you think flax would be the best? In seeding to wheat we seem to get too much straw and very often get it touched with frost. Give me all the information possible; whether best results are to be had by sowing flax with a nurse crop of oats or flax by it- of scales you like. If you have all your milk self. I intend to break this land with an engine, then surface cultivate with a disk and harrows. Would advise packing this land after it is sown, and about what depth should I sow? Is it possible to cut with a binder when flax is weight of the pail must be mentally subtracted present year. These meetings will be held unsown by itself? How much seed per acre each time. should I sow for best results?

CARNEGIE READER.

Ans.—Scrub land well broken should give a good crop of flax the first year, and would not likely give any trouble from over rankness. Have the breaking done as early as possible. each year from late sowing. Sow the flax alone, using about forty pounds of seed per acre and harrow well. Use a drill, if possible, but do not sub-surface packer before sowing. If packed es. after seeding there is danger from the seed being a lighter task at the end of the month. driven too deeply into the soil, Flax seed being small will not germinate if planted too deep.

Flax can be cut with a binder. The usual plan is to let the binder run without twine, and make the bunches as large as possible. When cured they are drawn directly to the separator hung by a string, to insure that it will not be lost. without stooking or stacking. If flax is bound, the sheaves are often tangled together making

endless trouble in handling.

A large proportion of the flaxseed offered for sale is badly mixed with noxious weeds and great fat. Each cow should be allotted a bottle, one cultural Society. care should be taken in selecting a pure sample. The following weed seeds commonly are found in may be procured for 5 or 10 cents. A small, western flax: Ball mustard, hare's-ear mustard, false flax, Russian thistle, worm seed mustard should make for 10 cents, serves to take the samand yellow mustard. M. A. C.

S. A. Bedford.

"Down-To-The-Minute."

"I wish to express my appreciation of the FARMER'S ADVOCATE. I am glad we have such a fearless, clean "down-to-the-minute" farm paper in motion, in order to insure a fair sample. This in the great West." - Alex. Lochore, British will give six dipperfuls per month for each cow, Shorthorn cows is engaging the attention and Columbia.

of your very fine Christmas number, the best yet." the bottle a rotary motion. The bottles should eligible for Coates' Herdbook. This has had - M. Tallant, Saskatchewan.

VOCATE and look forward to its coming every tested by some creameryman, or by some neigh- pedigree dairy Shorthorn. This association, callweek."—J. R. Wallace, Saskatchewan.

farm paper. I wish you every success. Chas. Attwood, Manitoba.

DAIRY

How to Keep Cow Records

1. Hang up in the stable, or better, in an adjoining milk-room, a spring balance, a small set of steelyards, or, failing that, use almost any kind pails of a weight, the spring balance may be adjusted to register zero when bearing an empty pail; then, when a pail is hung on it, the total weight recorded will be of milk. Otherwise, the

a ruled blank for a month's records, with three speaker will be provided by the college, and in columns for each cow, and her name or number at addition free discussion and the asking of questhe head of the column. At the left-hand side of tions will be encouraged, and local talent made the sheet will be the figures indicating the day of use of as largely as possible. the month, with lines running from it across the A large proportion of western flax is injured sheet. The first of each cow's three perpendicular subjects as mixed farming and dairying; cowcolumns is for recording the morning's mess, the testing associations and the testing of milk and second for the evening's, and the third for the cream; building up the dairy herd; care and feedtotal day's mess. This latter may be dispensed ing of dairy cows; dairy stables; care of milk and sow as deep as you do wheat. If the land is with, but the daily totals are more interesting for cream; home dairy and creamery butter making very light and loose I would advise the use of the comparison than the records of the separate mess- cheese making, etc., etc. Besides, if one adds from day to day, he has

3. In the house have a book in which the the subjects taken up. The following series monthly totals per cow may be entered from of meetings have already been arranged for month to month, a fresh sheet being tacked up in

the stable.

first, the tenth and the twentieth, samples should Thursday, January 27th, under the auspices of be taken from both morning and evening milkings for testing to ascertain the percentage of butterwith a screw metal cap and a rubber washer, which conical sampling dipper, which any tinsmith and cheese instructor for the province. ple. A package of 500 preservative tablets, in connection with the Otterburne and Dessul costing 75 cents, will keep the composite samples nier cheese factories. Rioux—Wednesday, Janin good condition. At the beginning of the month wary 26th, in connection with the Rioux cheese put one tablet in each bottle, and on the morning factory. and evening of each day that samples are to be taken pour each cow's milk from one pail to another, and take out the small dipperful while still

representative of six average milkings. prevent evaporation. Mix the milk in the test Society ten years ago decided to give liberal "Accept my congratulations on the production bottle each time that more is added, by giving prizes at leading shows for dairy Shorthoms be kept in a locked cupboard or box, out of reach the effect of exciting interest in the matter, and of children, and marked poison, as the preser- arising out of this movement a separate associavative tablets are deadly poisonous. At the tion has been formed of breeders interested in the "I am well pleased with The FARMER'S AD- end of the month have the composite samples propagation of superior milking qualities in the bor, or else do it yourself. A Babcock tester is in- ed the Dairy Shorthorn (Coates' Herdbook), is expensive, and very valuable. Having ascertain- gradually developing the objects for which it ed the percentage of fat in the sample, you can was founded, and it has obtained permission "THE FARMER'S ADVOCATE is an excellent multiply it by the cow's yield of milk, and thus from the Royal Agricultural Society to establish find the estimated total yield of butter-fat for the a separate class for bulls bred from milking

estimated yield of butter. Reckon the value of the butter at ruling prices, add the estimated value of the skim milk, and you have the worth of the cow's total product for the month.

Printed blanks and sheets for keeping track of the feed may be obtained free on application to H. Grisdale, Central Experimental Farm, Ottawa, if one does not fancy preparing home made record sheets.

Manitoba Dairy Meetings

Professor Mitchell of the Manitoba Agricultural College is planning to hold as large a number of dairy meetings as possible during the der the auspices of local farmers' organizations Tack up on a planed board beside the scales wherever possible. In all cases at least one

The speakers will be prepared to discuss such

Local conditions and the wishes of those in attendance at the meetings will largely determine SERIES 1.—Speaker, Prof. W. J. Mitchell.

Russell-Tuesday, Jan. 25th, under the au-Beside the blank in the stable, have a pencil spices of the Grain Growers' Association. Foxwarren-Wednesday, January 26th, in connec-Regularly, on certain days every month, say the tion with the Foxwarren Creamery. Birtlethe Farmers' Institute. Shoal Lake-Friday, January 28th, under the auspices of the Agri-

Series 2.—Speaker, I. Villoneuve, instructor in cheese making, Manitoba Agricultural College,

Ste. Pierre; North-Tuesday, January 25th

Dairy Shorthorns in England

The development of the milking propensity in effort of breeders in England—the home of the Screw the cap well on the bottle each time to breed-in an increasing degree. The Shorthom month. Add one-sixth to this, and you have the pedigree cows that have won prizes in classes specially designed for them. The condition ing in these classes are to be entered and shown are that they must be milked out the night before at a stated hour, and milked next morning in the presence of the judge. The amount of milk necessary to qualify for competition is, in the case of cows that have calved within three months, 25 lbs., and those having calved over three months must produce 20 lbs. of milk. Heifers are required to give not less than 20 lbs. if calved within three months, and 15 lbs. if over

In a paper recently read before a Chamber of Agriculture, by G. Taylor, an experienced breed-

er of dairy Shorthorns, he said in part: "When establishing a herd of pedigree milking Shorthorns, one must naturally look to the cow with dairy characteristics. I would place first and foremost a kindly hand and shapely bag, with well-placed teats. Constitution must not be neglected, and I place great importance upon the selection of bulls if you intend to breed a milking herd. I think whatever the extra cost may be it is money well laid out if anyone before buying a bull will go to the herd where he is bred and see his dam; and, if possible, his sire also. The influence of the dam is specially pronounced in milking pedigree Shorthorns, and



Dress

EDITOR FAR! Permit me some, if no nowadays. pure food law how is it that allowed on t say nothing not fowl be I it will invari poultry does prices, then i or so per pou proper shape. that this mat Man.

One of the dealers and c keep better varies in diffe and removing the internal si tains micro-or position; but, membered th rapidly than o in are likely t course, in rem ness should be a badly drawn hinder infection few years ago two or three In the case of contain more terial. The li



EXCELLENT TYPE OF MILKING SHORTHORN

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this policy I know is followed by many of the through the walls of the intestines, etc., and it than even the character of the sire.

that milk and beef are very difficult to get right may be injured.

throughout the herd—that is to say, one natthroughout the herd—that is to say, one nat-

to the importance of keeping private records of what reduced. the production of not only particular single cows. but of all in the herd, and attention is called to the elaborate series of milk tests conducted by south of Scotland.

"When I first started to keep milk records." cow that does not yield 700 gallons per annum."

Selling Short-Weight Butter

happen accidentally. Butter shrinks some in weight after it is packed into prints but scarcely to this extent. To put the matter plainly these were cases of deliberate fraud. No butter maker who values his reputation or expects to stay long in business is guilty of it. But it looks like easy money to some, this putting of 12 ounces of butter in a print and selling it for a pound.

POULTRY

Dressing Poultry for Market

EDITOR FARMER'S ADVOCATE:

it will invariably do if the offal is left in? If sanitary conditions must be looked after. poultry does not pay to properly dress at present In this case the trouble is due probably to in- the four or five days of the convention. that this matter was given some attention.

position; but, on the other hand, it must be remembered that the viscera decompose more hinder infection. In experiments reported a Manitoba. few years ago properly drawn birds kept sweet two or three days longer than undrawn ones. terial. The liquid in such matter can pass Manitoba.

best breeders of horses, who consider it of greater is thus possible that dissolved bodies of unimportance to study the character of the dam pleasant flavor can find their way into the adjacent flesh and that the flavor of undrawn My experience leads me to the conclusion poultry which is kept for any considerable time

urally expects in a herd which is devoted solely of marketing poultry without removing the the Shorthorn is the Shorthorn we must neces- so long as the public prefer to buy the entrails, Glenbow the Shorthorn is the Shorthorn we must neces- so long as the public prefer to buy the entrails, Okotoks. sarily cultivate both qualities; but he would in- head, feet and wings, everything, in fact, but

Spiced Food for Poultry

Only under very exceptional conditions am I the Highland and Agricultural Society in the an advocate of spices or condiments for poultry. Many things used in this way are positively injurious. Recently, it has been brought to my (a trifle over 8,000 pounds), and I rarely keep a been laying) a liberal daily dosing of cayenne \$30, \$20, ribbon. pepper in their mash, as they put it "just to Recently the civic officials at Winnipeg have sense; and what is still of more importance, it is which can be sent to the secretary at Calgary. of farmers who are in the habit of making pound derangements of the internal organs, and is prints several ounces less than sixteen is expected, calculated to retard rather than increase egg-Jobbers and wholesale buyers state that the production. If the birds are properly and suitpractice is altogether too general. The other ably fed, provided with the usual necessaries, day an inspector weighed a delivery of butter such as grit and plenty of green stuff, and kept being made by a farmer and found it 20 per cent. exercised by scattering their hard grain amongst

Hens Subject to Colds

seem disposed to take cold easily. Hen house is warm, and the fowls not exposed to the weather. To what is this trouble due? I am feeding these states have grievances in regard to marketing these states have grievances in regard to marketing them in the regular way, giving mash once a day and grain at other times. Do you think the

If a flock of poultry show symptoms of some disease of the respiratory organs, the ventilaallowed on the market with the entrails in, to to produce diseases of the respiratory organs as

prices, then it is better to raise the price a cent sufficient ventilation. See reply to W. J. C., To Investigate Cause of High Prices or so per pound, and put it on the market in page 84, of the issue of the Farmer's Advoproper shape. In my opinion it is high time CATE for January 19. Advice was given there Hon. Sydney Fisher, minister of agriculture, in-

course, in removing them great care and cleanli- and also something good every time it comes profits. ness should be observed. Washing the inside of along, and, as a farmer, take much interest. A similar investigation into the cost of living, with

FIELD NOTES

New Coach Horse Association

A Canadian French Coach Horse Association was to producing animals of a beef type to find them viscera, the reason given by dealers being that organized recently at Calgary, Alberta, with the more perfect there than in a herd whose chief duty undrawn poultry keep better and have a better following officers: President, G. E. Goddard, Cochis to fill the pail, and vice versa. I should not say appearance than poultry that have been com-altogether that the pursuit of milk and beef in pletely dressed. There are objections to the one animal is altogether illusory, for so long as practice, as this correspondent points out, but the Shorthorn is the Shorthorn we must neces- so long as the public prefer to buy the entrails,

By-laws and constitutions have been adopted and deed be a fortunate man who could find all the blood and feathers, it is difficult to do anything forwarded to Ottawa for incorporation under the best qualities of the dual type combined in one in the matter. A serious objection to poultry Act regulating the Live Stock Record Associations. herd, as we occasionally find them in individual with the viscera removed is that this work is As soon as the association is incorporated pedigrees frequently done carelessly, and the value of the of Canadian French Coach horses will be recorded Reference is also made in Mr. Taylor's paper bird, from the middleman's viewpoint, some- at Ottawa in connection with the national live stock

> The association has already interested itself in the French coach classes at the Alberta Provincial Horse Show to be held at Calgary from the 5th to 8th of April next. A donation of \$100 has been received and will be offered in the following classes at the Spring Horse Show

Grade carriage gelding or mare 15.2 and over shown says Mr. Taylor, "my herd average was not notice that a party giving their laying stock (or, in harness, sired by a registered French coach stallion; 600 gallons annually; now it exceeds 800 gallons to be more precise, the stock that should have name of stallion and certificate of breeder required,

Grade saddle mare or gelding, 15.1 and over, shown warm them up a bit on account of the cold under saedle, conditions as above. \$30, \$20, ribbon. weather and because they were not laying well." Such a practice which is not uncommon well." Such a practice which is not uncommon time of entry. No entry fee necessary from members Frequent complaint is made by butter buyers is strongly to be deprecated. It is a great mis- of the Canadian French Coach Horse Breeders' that the pound prints, in which form a good deal take to imagine that because cayenne causes a Association, but entry must be made in regular way. of dairy butter is marketed, are under weight. burning sensation it is warming in the proper. The membership to the association is \$2 a year,

This been inquiring into the question and prosecutions very liable to cause disease of the liver and other will entitle the member to register pedigree at a reduced rate.

North Dakota Grain Growers

The farmers and stockmen of North and South Dakota and Minnesota, held their annual convention fast week at Fargo, N. D. A number of different organizations combine to make the convention, the short. At another house 60 pound prints were plenty of dry litter where they will have to work meetings being in the nature of a short agricultural weighed and found to contain only 40 pounds. for it, strong spices and condiments will be uncollege course, a grain growers convention, livestock it is impossible to assume that these things necessary and much better avoided. on. A good many of the questions are similar to those discussed at grain growers conventions in this country, the only difference being that the meetings Have frequent trouble with my hens. They are dominated by the agricultural college, and contem disposed to take cold easily. Hen house sequently are more given to educational work along the line of production.

It is interesting to note that the grain growers of grain much as we have ourselves. The grievances, however, are somewhat different. There is some house is at fault? I have been told that a hen agitation for federal inspection of grain, and measures house needs to be well ventilated. How is this to inaugurate such system of inspection have been to be done and a proper degree of warmth maindefeated in the federal house by reason of the intained? Man.

P. W. H. fluence brought to bear upon congress by those influence brought to bear upon congress by those interests most to be benefited by the continuation of the present inspection system. Another thing that tion, whether sufficient, or whether in such a way that the fowls are in a direct draught, whether on the roost or along the floor where Permit me to express my opinion about the way whether on the roost or along the floor where cussions carried on largely by senators, congressmen, some, if not all, poultry reaches the market they sit during the day, must be looked after; college professors, presidents of this, that or the next nowadays. In view of the fact that we have also whether their quarters are not damp and thing, while the farmer delegates present sit tight, pure food laws, and government meat inspectors, filthy and whether the hen house is properly soak in the information rayed out and then go home how is it that the poultry has been overlooked and heated. An overheated henhouse is fully as bad allowed on the market with the entrails in, to to produce diseases of the respiratory organs as orations occasionally indulged at Can-Why could it is for fowls to be out and exposed to inclement adian farmers' conventions, and the threshing out not fowl be properly dressed and cleaned so that weather. In those diseases where there is a gener- ever, the annual gatherings at Fargo are valuable it would not taint and discolor the meat, such as all outbreak of some infectious nature the general from the educational standpoint, those in charge seeming to cram in a large amount of work during

re ventilation of a poultry house that was over timated in a speech at Ottawa the other day that A. K. warm, damp and predisposed the fowls to colds. officials of the department would begin an investi-One of the debated questions among poultry You will find that less warmth and more fresh gation into the abnormal increase in the cost to the dealers and consumers is whether or not birds air will probably remove this trouble completely. consumer of farm products and other commodities. keep better when marketed drawn. Practice An erroneous impression exists among some He stated that farm products were now considerable varies in different localities. Opening the body poultry raisers that hens have to be kept warm dearer in Canada than they were some years ago, and removing the viscera undoubtedly exposes in winter. This is a mistake and to the practice and comparatively higher here than in England, the internal surface to the air, which always con- of closing the house up tightly is due much of the while it does not appear that the farmer is deriving tains micro-organisms, and thus invites decom- respiratory trouble amongst fowls in winter. any considerable share of these enhanced prices. It will be the business of the investigating committee "I have been a reader of The Farmer's AD- to find whether the increased cost of living is due to rapidly than other parts of the body, and if left vocate for seven years and find it a welcome the operation of combines, or whether the retailer in are likely to infect the rest of the bird. Of visitor every week. I find in it something new and middlemen are extracting too large a share as

a badly drawn bird with salt and water is said to in its pages of information."—Wm. E. Mabley, view to getting comparative figures as to wholesale and retail prices, wages, cost of raw material and of the finished product on a large line of commodities "I notice my subscription has run out and I in daily use, has also been undertaken by the minister In the case of undrawn birds the digestive organs must renew at once as I like your paper very of labor, and is now well under way. The governcontain more or less moist, partly digested ma- much. Enclosed please find \$1.50."—John Kerr, ment of Ontario, as intimated in the Lieut.-governor's opening address at the present session, will give some

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attention to the problem of high food prices; in fact, 128,000; prices, which were even better than those this is the most important work foreshadowed for of the previous year, ranged from \$35 to \$50 per head. Sanction the raising of \$850,000,000 for next year's the legislature in the speech from the throne. Similarly, in the United States the federal department of at least 17,500 head were sold within the province. agriculture have named a commission to inquire into the whole question of food prices and find, if possible, the reason for the large increased in the but the increase in the north will at least make up lowing resolutions before the House of Commons' cost of living during the past few years. The United for this decrease. About 25,000 were sold for States commission will address itself not only to inquiry at home, but is given authority to prosecute enquiries abroad, to determne whether or not the American consumer is paying more for farm products produced at his door than European consumers pay for the same products when they are exported R. line from Macleod to Calgary. The number remounts "as in Strathcona Horse regiment" can be abroad.

The investigation of the question of food prices ranged from six cents to nine cents per pound. will be followed with a good deal of interest. It is expected that considerable light will be thrown on the influence of combines; in fact, action against certain combinations said to be unduly enhancing the consumers' price of a number of food products being K. M. Landis, he who inflicted the twenty- the dairy produce of the province of at least \$903,000. nine million dollar fine on the Standard Oil Company.

James J. Hill, in a recent speech on the question of the high cost of living has this to say and this solution to offer:

"If as a nation we could stop our rush for a few days and give ourselves over to solid thinking, to casting about us to see what is going on, the problem would soon solve itself. There is extravagance in government, in industry, in speech, and in promise. We are wasting our heritage more shamelessly than any people in the history of the world. It has been and manager of the local agricultural fair board. come easy and go easy with us for so long a time that we don't know how else to lie. In a word, our best thinkers everywhere must turn their thoughts to the problem of increasing the productiveness of the soil before we can arrive at the solution. Manufacturin,, mining, industry and transportation have been absorbing too much thought of the world's leaders for half a century. We have those subjects in hand now; there is not much more to be learned in any of them. And so let's turn and solve the farm problem. It is simpler than any of the others, but it is harder to make practical use of the solution. We know how to make two blades of grass grow where only one grew before, but we haven't the men and women out on the farms to do the work. So the chief feature of the problem is how to get the people back to the soil. They have got to come to it if we survive. The sooner the better. The movement from the city back to the country will start before long and we shall immediately feel its effects. Until that movement sets in I have no remedy to suggest for the present high cost of living—I should have said the present cost of high living

Agricultural Progress in Alberta

culture for Alberta for 1909 was issued recently. features of the season and their bearing upon agricul-

pensate for the loss by drouth and winter-killing, metals equal to steel, its use increasing very rapidly. which amounted to at least 50 per cent. throughout the province. The greater part of the acreage that suffered was reseeded to spring wheat, oats and barley. Frost and hail did some damage during the growing season, but on the whole the province reaped a very bountiful harvest. The sample of grain was almost uniformly good. The official

the acreage and yield as follows:

		Est.	Est. bush.
	Acres.	yield.	
Wheat (spring)	250,000	6,250,000	25
Wheat (winter)	80,000	2,000,000	25
Oats	500,000	20,000,000	40
Barley	100,000	2,500,000	25
Rye	1,000	18,000	18
Flax	9,700	82,450	81
Speltz	500	11,500	23
	-		

941,200 30,861,950

last four in 1908-9, with the result that the spring part of the confederated Dominion, certain rights found the stock in good condition, the only excep- which the original white settlers were conceded to tion being in the case of sheep and hogs, where there hold would be respected by the Dominion governfound the stock in good condition, the only excepwas some loss of the increase owing to the cold, wet ment. These rights, it is claimed, have not been spring. The subsequent season was exceptionally respected in the sense that was understood. The suitable for live stock. The range in the southern original settlers and their descendants claim in this portion of the province has been disappearing by petition that while their claims were prior to and reason of the encroachment of the homesteader, other that could be advanced, other individuals any but the number of small owners on farms is at the corporations have been dealt with by the government same time so rapidly increasing that there will be with a lavish hand, and the original settlers given only more cattle and horses for market than ever before. such rights as were granted to ordinary settlers. It It may be true that the quality for a time will rank is proposed, therefore, that the whole question be a little lower, but this will soon be readjusted by brought up in Parliament as a non-partisan subject

Prices of horses were well maintained at high figures;

It is now estimated that there are probably 100,000 budget rejected by the Lords. sheep in Alberta, 60,000 being south of the C. P. R main line. The flocks in the south are decreasing, mutton at an average of \$6, and the wool clip was 400,-000 pounds, selling at an average price of ten cents. The number of swine shows a substantial increase. The growth in numbers is most rapid in the central and northern portions of the province, yet there is a marketed is estimated at 80,000, and prices have obtained for the imperial army.

The dairy commissioner in his report estimates the aggregate selling value of the output of the cheese factories at \$28,000, and the butter from the creameries of the province at \$600,000 for the year ending was \$72,527,465, an increase of \$12,250,534 over October 31. In addition, butter from the private December, 1809. The exports of domestic products dairies has probably been sold in the same period has been started in Chicago, the presiding judge to the value of \$275,000, making a grand total from about \$9,000,000, are credited to agriculture, reflect-

Events of the Week

It is stated that Earl Carrington will succeed Earl Grey as governor-general of Canada when the latter's term of office expires this year.

Hugh McKellar, publicity commissioner for Moose Jaw, has resigned to accept the position of secretary

Admiralty in one year. Four super dreadnoughts will be laid down, together with a number of other vessels of large size and a large list of destroyers and

The railways are planning to make splendid exhibits at the coming Brussels International Exposition. The Grand Trunk Pacific are making preparations to run a continuous motion picture theatre in which the building of the line will be shown from the steamshovel to the complete line.

The meat boycott, which was started two weeks ago in certain American cities is spreading rapidly, and those in the United States who are now going without meat in order to bring prices down, are numbering into the hundreds of thousands. In several Canadian guarded, and for the establishment of a sample cities "meat strikes" have been organized.

J. Pierpont Morgan, promoter of billion dollar ment taking over the terminal elevators so as to corporations, multi-millionaire and collector of works guard against the lowering of the standard of grain, The annual report of the department of agri- or art and antiques, is behind a gigantic merger in In copper which will be the second largest individual would be delivered to the consumer in the condition the combination in the world. Practically all the lead-that it is disposed of by the grower. Under the it the deputy minister of agriculture sums up the combination in the world. Practically all the leading copper mine owners of the United States are in ture. He says, in part:

The acreage seeded to winter wheat was much being one billion dollars. Copper is expected in the next few years to assume an importance among

What cables describe as the most appalling calamity in the history of Paris, France, occurred last week. A tremendous downpour of rain followed by snow in the provinces drained by the Seine raised that usually placid stream to unrecorded violence. The water rose high above high water estimate places the total at more than 130,000 acres. violence. The water rose high above high water The tabulated estimates of the department gives mark. Bridges of historic associations were dynamited to give the waters free channel but nearly all the French capitol was inundated. Thirty thousand people are reported homeless; the damage is figured at \$200,000,000. Food prices have soared and fever has broken out among the inhabitants. The flood is the worst ever recorded at Paris and it will be some time before the city recovers from the watery ontime before the Seine.

The original white settlers of Rupert's Land and the Northwest Territories at a meeting in Winnipeg on January 13 adopted a resolution dealing with the rights and privileges guaranteed them when these territories entered confederation, which re-"There were about 2,400 acres of sugar beets under solution was presented last week by James H. Ash-cultivation; the estimated yield was eight tons per down, ex-mayor of Winnipeg, to the Dominion authorities at Ottawa. The petitioners assert that "Stockmen had the most favorable winter of the when the western territories consented to become a the introduction of pure-bred sires. The number and the matter gone thoroughly into. No reply h of cattle marketed during the year is estimated at yet been received by the pioneers to their request.

Lloyd-George is expected to ask parliament to public expenditure, one of the largest ever introduced This sum will be raised in the manner proposed in the

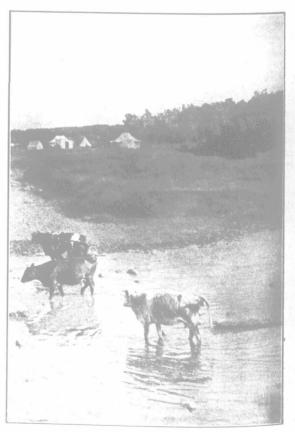
The Western Fair Association presented the folcommittee on the Miller anti-gambling bill: that racing is necessary to the development of the Thoroughbred; that its results aids the farmers in obtaining good stock to cross with his own; that racing cannot continue without the betting privilege; that the prairie provinces are the only part of Canada

Dominion trade returns for December show a record volume of business done. The total trade totalled \$30,774,900. The increase in exports. ing the results of the record harvest of last year. For the nine months of the fiscal year the total trade has been \$512,486,678, a comparative increase of \$83,288,506. The imports have totalled \$267,041.935 an increase of \$58,381,762. The exports of domestic products have totalled \$221,116,813, an increase of \$26,533,626. During the nine months the agricultural exports increased \$23,000,000, and the exports of the forest have increased by \$7,000,000.

Grain Growers to Federal Government.

line British naval program for 1910 includes the A delegation representing the grain growers' largest item in building ever undertaken by the and milling interests of the Dominion met the min-Admiralty in one year. Four super dreadnoughts ister of trade and commerce last week and will be laid down, together with a number of the superior of trade and commerce last week and the minthe request that the government take over the terminal elevators at Port Arthur and Fort William. The delegation consisted of R. Mackenzie and R. C. Henders, secretary and vice-president of the Manitoba Grain Growers' Association; Messrs. Watts, Shaw and Rice of the Dominion Millers' Association, and Mr. Ewing, M.L.A., representing the Dominion Grange. R. C. Henders, speaking for the Grain Growers', presented the resolutions adopted at the association's annual meeting in December. R. McKenzie along the arms line pointed out that the McKenzie, along the same line, pointed out that the elevator situation had materially changed since the delegation approached the government a year ago. He urged the taking over of the terminals by the federal government as a necessary step to ensure of the grain growers' interests being adequately market at Winnipeg.

G. B. Watts, secretary of the Canadian Milling Association, emphasized the necessity of the governsuggesting that conditions ought to be such that grain present conditions the grain is tampered with in transit and neither grower nor the manufacturer of flour gets full benefit. Mr. Watts pointed out that Ontario millers give a preference to grain shipped from C. P. R. terminals over grain shipped from the privately owned elevators.



THE COWS ENJOY A STREAM.

parliament to for next year's ver introduced. proposed in the

sented the foling bill: that mers in obtainn; that racing part of Canada purposes and giment" can be

ember show a he total trade 2,250,534 over nestic products in exports, culture, reflectt of last year. the total trade ve increase of d \$267,041,935 rts of domestic an increase of ths the agri-000, and the \$7,000,000.

vernment.

rain growers' met the minc and renewed ake over the Fort William. tenzie and R. sident of the Messrs. Watts, Association, the Dominion or the Grain lopted at the ecember. 1 out that the ged since the t a year ago.
minals by the tep to ensure g adequately of a sample

adian Milling of the governors so as to lard of grain, ich that grain the condition

Under the ered with in nufacturer of ited out that grain shipped ped from the

SASKATCHEWAN'S BIG CONVENTION

The outcome of the convention of agricultural 1, Smith and Rackham, Lloydminster, 98½; 2, R. A. societies and provincial grain show at Regina last week indicated that realization is better than anticipation. All had looked forward to an excellent treat and instructive sessions. However, few had counted on such uniformly practical and educational sessions as characterized the week's proceedings. Recognized authorities introduced live topics and good judgment in the presentation of facts with a sample that scored 90½.

The financial statement showed that the societies were liberally supported. The 72 societies received annually \$40,000, while in Ontario over 300 societies view, 92; 3, A. R. Partridge, Lumsden, 91½; 4, R. Parsons, 91. C. G. Hayward, Fort Qu'Appelle, had a sample that scored 90½. used good judgment in the presentation of facts with a sample that scored 90½.

which farmers wish to become acquainted. Moreover interesting and intelligent discussion followed almost every address. Not the least interesting feature was the great display of high grade grains. It was the greatest grain show ever held in Saskatchewan, if not in Canada. With ninety-two samples of wheat, sixty-seven of oats, twenty of barley, seven of flax, in the province, 79 of these under the auspices of agricultural societies.

John Mitchell, of Grenfell, and W. R. Abbott, of Maple Creek, congratulated those in charge on the good work done, and made suggestions for special work in the future.

The season's seed fairs and standing field competitions were claimed by F. H. Reed, representing the seed branch, entered under the Canadian Seed Growers' Associates.

Oats, any good milling variety, northern district—

John Mitchell, of Grenfell, and W. R. Abbott, of Maple Creek, congratulated those in charge on the good work done, and made suggestions for special work in the future.

The season's seed fairs and standing field competitions were claimed by F. H. Reed, representing the seed branch, sixty-seven of oats, twenty of barley, seven of flax, Lipton; F. W. Fast, Rosthern; C. G. Haywood, in addition to grass seeds and a fine display of seeds Lipton; John Alston, Prince Albert; Alex. Weir, entered under the Canadian Seed Growers' Association rules and regulations, delegates were given an den, and D. McIntyre, Togo. excellent chance to scrutinize superior seed and Oats, any good milling variety, southern district—ascertain what quality should be demanded in the 1, H. R. Hayward, Ft. Qu'Appelle, score 97; 2, R. H. seed sown on prairie farms. Special show cases Carter, Ft. Qu'Appelle, score 96\frac{3}{4}; 3, Jos. Dundas,

preached the merits of this crop as a soil renovator

and fodder for stock. Considerable discussion developed over the quality of wheats from the milling standpoint and the ad- score 841. visability of growing coarse grains. The consensus the top and that the growing of many other sorts ley, score 88; 3, Chas. Binnie, Lumsden, score 83.

24 lots of Red Fife wheat, 16 of wheat of other varie- Coffey, Alameda. ties, 30 of oats and 7 of barley; while the southern ties, 30 of oats and 7 of barley; while the southern district supplied 43 bags of Red Fife, 10 of other fell; Smith & Rackham, Lloydminster; W. G. Andervarieties of wheat, 32 of oats and four of barley, son, Arcola; Jas. Caswell, Saskatoon. In addition there were sixteen entries for the Garton

Cup in oats, 9 for two-rowed barley and 7 for flax.

Awards were made by James Murray, superintendent of the Experimental Farm at Brandon; F. H.

Reed, representative of the seed branch at Regina, and J. Albert Hand, editor of The FARMER'S ADVO-CATE. The closeness of the score best tells the prize winners were: story of the uniformly high quality of many samples. Red Fife—1, F. J. Dash, Hillesden; 2, W. M. With the control of the uniformly high quality of many samples. With wheat weighing 64 to 66 pounds or over to the measured bushel and oats running 47 to 50½ pounds Hand selected pand scores totalling 94 to 98 out of a possible 100, 1, F. Coles, Moffa Saskathanna for the saskathanna for th Saskatchewan farmers have every reason to boast of the grain producing powers of their broad acres.

In wheat the sweepstakes prize of \$50 and the \$100

Barley, any six-rowed variety—1, R. H. Carter, silver cup was taken by John Howden, of South Qu'.

Appelle, with a score of 96. John A. Mooney, of Regina, and F. D. Cherry, of Prince Albert, each had samples that scored 95½. Mr. Cherry won the Purity

Flour Cup for the best Red Fife wheat in the northern district. Smith, and Real-like wheat in the northern and the properties of the wheat in the northern and the properties of the street secured the sweepstakes prize of \$20 for wheat of Coles, Moffat. variety other than Red Fife.

In oats the sweepstakes prize of \$25 went to J. Lanigan, of Wadena, on a sample of Abundance that weighed 50½ pounds to the bushel and scored 98 points. The competition was very keen. The Gar-

ton Cup was won by Joseph Dundas, of Francis. Two-rowed barley presented a display that for size and general appearance merits special mention. The score cards showed a percentage of 97\frac{3}{4} points. Color and quality are for the street general and quality were of such calibre as to attract general

The scoring of the judges resulted in the following

Red Fife wheat, northern district-1, F. D. Cherry, Prince Albert, score 95½; 2, W. A. Pain, Vonda, 95½; 3, Geo. L. Smith, Saskatoon, 95; 4, D. Lang, Stockholm, 93½. Others who scored 90 or higher were: W. Lang, Stockholm; Jos. Caswell, Saskatoon W. Barratt. W. Lang, Stockholm; Jos. Caswell, Saskatoon, W. Barnett, Elfros; W. Chappell, Watson; John Telfer, Melfort; Max Schmitter, Saskatoon; P. Trowell, Saltcoats; W. T. White, Lipton, and D. McInter.

Trowell, Saltcoats; W. 1. McIntyre, Togo.

Red Fife, southern district—1, John Howden,
South Qu'Appelle, total score, 96; 2, J. A. Mooney,
Regina, 95½: 3, Fisher Bros., Windthorst, 95; 4, F.
W. Wienshall, Lumsden, 94¾. Others scoring 90
or higher were Lames Scott, Wolseley; P. M. Five societies had held successful plowing matches.

Mosse Law: Good farming competitions also had been instituted.

displayed the samples to advantage.

One of the main features of the week's meetings was the direction of special attention to the growing of alfalfa. This important question was introduced by delegates from Grenfell society. Philip Leech suggested that the government offer a prize of \$1000 for first and others in proportion for the best field of this legume in the province four years hence. W. R. Abbott proposed that the delegates subscribe to a fund to provide a liberal cash prize. Several delegates preached the merits of this crop as a soil renovator.

Carter, Ft. Qu'Appelle, score 96; 4, J. B. McGougan, Kronan, score 96; 4, J. B

Barley, six-rowed, southern district-1, D. of opinion was that Red Fife continued to stand at Chalmers, Grand Coulee, score 89; 2, F. Coles, Wolsethe top and that the growing of many other sorts claimed to be earlier had a tendency to depreciate the value of Western Canadian wheat. Practically agreed, also, that in districts where the season was found to be too short for Red Fife to mature it was well to consider carefully the advisability of growing oats or barley rather than softer grades of wheat. The provincial grain show brought together over two hundred entries of grains and grasses. The northern district, including that part of the province lying north of Qu'Appelle Valley, Lost Mountain Lake and the western end of the G. T. P. railway sent in 24 lots of Red Fife wheat, 16 of wheat of other varie-

CANADIAN SEED GROWERS

The exhibit by members of the Canadian Seed Growers' Association consisted of sheaves of 500 hand-selected stalks, five complete plants and bags of "registered seed" wheat, oats and barley. The

Hand selected plants, any other variety of wheat-Coles, Moffat.

Fife wheat grown

PRACTICAL QUESTIONS DISCUSSED

Timely and practical topics were discussed by the notable speakers and enthusiastic delegates from all corners of the province showed their appreciation of the sessions by careful attention and intelligent discussion. Moderation and a strong desire to improve conditions for the farmer in general characterized the various meetings. A most pleasing feature was the keen interest manifested by Hon. W. R. Motherwell, commissioner of agriculture, who not only acted as chairman at many of the sessions, but also delivered weighty addresses and answered important questions relating to agricul-

The range of subjects included soil tillage, crop growing and grain judging, dairying, poultry raising, horticulture, home beautification, hints to engineers agricultural society management and fairs management. Not the least important were the suggestions offered by Grenfell and Moose Jaw societies on

or higher were: James Scott, Wolseley; P. M. Five societies had held successful plowing matches. Bredt & Sons, Edenwold; James Suli, Moose Jaw; Good farming competitions also had been instituted B. Green, Moose Jaw, and R. H. Carter, Fort Qu'- by some societies and the field grain competitions no doubt would be extended to include all branches

to be important factors in crop improvement and agricultural education. Last season 48 seed fairs were held. Field competitions during the summer numbered 49, comprising 578 fields of 10 acres each, 450 being wheat and 128 oats. This was an increase of 85 in wheat and 98 in oats over 1908. Changes for

Barley, six-rowed, northern district—1, J. Al- 150, and 75 per cent. of these must be farmers. A mond, Lloydminster, score 90½; 2, Geo. Neilson, lively discussion followed, in which some delegates Prince Albert, score 87; 3, F. Beaumont, Lashburn, opined that young societies would be handicapped, ut the verdict in general supported the changes.

FUNCTIONS OF A SOCIETY In discussing the functions of an agricultural society James Murray, B. S. A., Superintendent of Brandon Experimental Farm, took the Agricultural Societies Act and pointed out the opportunities for useful work. In referring to the fact that the agricultural society representatives had urged on the government the advisability of establishing an agricultural college until such was granted he impressed upon them the need for earnest work in other lines. All could not be left to the college. Now while the province is developing is the time for the societies to do good work. Nothing could be of greater benefit than demonstrations in the growing of crops or the feeding of stock or by testing systems of farming in certain localities. If agricultural societies undertook such work a farm of 25 to 40 acres would suffice. Plowing matches, good farming competitions and farmers' club meetings were recommended. In addition something special should be done to add variety to the weekly routine of the farmer's wife. Perhaps something along the line of farmers' clubs would fill the bill.

Presidents, secretaries and directors of societies discussed means whereby a greater enthusiasm could be aroused in society work and gave valuable hints for the guidance of the various officials. Among those who took part in this feature of the program were: H. Kerr, of Watson; H. Dorrell, of Moose Jaw; W. L. Ramsay, of Bladworth; R. M. Crow, of Wind-Oats, any white variety—1, R. H. Carter, Fort thorst; John Mitchell, of Grenfell, and A. G. Hawkes, of Broadview. of Broadview.

Duncan Anderson, of Orillia, Ont., pointed out some needed improvements in the management of agricultural exhibitions. He deplored the multiplicity of breeds in the live stock classes and denounced general purpose horses in breeding classes. The

professional horse race also was condemned. Essentials in the management of an agric ment of an agricultural show were outlined by W. I. Smale, of Carberry, recently appointed manager of Brandon's Summer Fair. Thorough and judicious advertising was the first point dealt with. On the prize list he recommended giving prominence to features that would prove popular in the district. The prize offering in that line should be extended in that class by adding specials.

Competent young men of the district as clerks to the judges in the various classes were recommended. None others should be allowed to enter the ring. He advised that the judge be required to give reasons for his placing and asserted that in this age the man who could not do so was not wanted. It is only by full explanation that the maximum education results.

TUESDAY EVENING SESSION.

At the evening session of the opening day Mayor Williams extended civic greetings. This courteous welcome was responded to by W. A. Munro, superintendent of the Experimental Farm at Rosthern.

Hon. W. R. Motherwell gave echoes of the Dry Farming Congress held last fall at Billings. Mont., and told of the great interest taken in this special line of farming in many of the Western States. The system, however, was much the same as that urged by Angus MacKay of Indian Head, for many years, and if followed throughout the Western provinces would result in greatly enhanced yields.

RURAL EDUCATION Ppelle.

no doubt would be extended to include all branches

In dealing with the question of education for
Wheat, any other variety, northern district— of farm work. In demonstration work, 529 tests rural life, President W. C. Murray, of the provincia university at Saskatoon, pointed out that educa- accidents if the engine was kept clean and in good tion that tended to produce better farmers, or to repair. increase their capacity as wealth producers, was secondary to education that served as an agency in making happier homes and more congenial conditions on the farm. Arrangements were being made at Saskatoon to have short courses along intensely practical lines. When the college of agriculture opened the main course would consist of two or three terms running from fall to spring so that students could leave the farm after plowing and threshing operations were completed and return in time for seeding. Later a more elaborate course would be put on to equip experts for doing special work and insist in moulding opinion along proper lines. In addition the program outlined included courses of two or three weeks in engineering, stock judging, grain judging, dairy practice, and such

Five members have been appointed to the staff of the college of agriculture. Professor W. J. Rutherford was selected as dean. John Bracken, B.S.A., was professor of field husbandry. A. R. Greig, B. A., Sc., formerly of Manitoba Agricultural College, would be professor of agricultural engineering. W. T. Willing would have charge of botany, and F. Hedley And of extractory work. Hedley Auld of extension work

representing the farmers, two appointed by the Ont. Lieutenant-governor-in-council and one by the soil fertility it was necessary to return something univeristy governors, would supervise the college of to the fields. Dairying offered best chances for agriculture. Present indications were that buildings maximum return. Ontario fed most of the grain and equipment when the property of most departments by November. Dr. Murray result that her yields per acre were larger than ever. pleaded for something that would afford enjoyment. There was no reason why Saskatchewan oats should to the boys and girls and to the women of the home.

QUALITY WANTED IN GRAINS.

The production of mixed varieties it was claimed by John A. Mooney, of Regina, threatened to lower principles of breeding, feeding, housing and marketing the milling value of Western Canadian wheat. Millers that meant profit. Pure-bred birds of utility type wanted this cereal of one kind. The tendency of the had made more rapid gains than common scrubs in farmer to look for high yield and earliness had re-sulted in grain of poor milling quality. None of In fact, scrub birds were not found to be satisfactory them satisfied the trade as well as the standard Red

This statement was supported by Superintendent Murray, who wanted farmers not to grow varieties of wheat that were recognized as being soft and inferior. He suggested that those in districts where Red Fife would not ripen early enough to escape frost damage consider carefully the advisability of growing oats or barley. In reply to a question regarding a variety called Marquis, Mr. Murray said it was a cross between Red Fife and an East Indian wheat. Results had been good so far, and the milling quality seemed almost equal to Red Fife. However, it had not yet been sufficiently tested to

warrant general recommendation.

Several of the delegates deplored the production of so much wheat of softer grade. W. R. Abbott and others supported the suggestion that only Red and others supported the suggestion that only ked Fife should be grown and that prizes be not offered for other varieties. Sergt. Major Coles, a large grower of Preston wheat, stated that he would give up his favorite sort if sound evidence were submitted to show that the market price of the product was being feet high.

A shelter beit, enclosing live of six acres, was set out. Vegetable, small fruit and flower gardens are separated by neat hedges. In 1902 a windbreak was set out on the east and seeds of ash, maple and Caragana sown. These are now developed to trees 15 to 20 show that the market price of the product was being feet high.

Contrary to recommendations of many authorities classification of horses and cattle at the various should

of others and the results of tests on packed and un- to allow persons to walk and enjoy the shade.

packed areas to show the advantage in their use. It
Careful planning and thorough preparation of the was pointed out that Saskatchewan's fields receive an average of 2000 tons of water to the acre, or about keynotes to Mr. Harvey's success.

17 inches of precipitation every year. The farmer's On Thursday night M. N. Ross, chief of the tree aim should be to control this moisture for crop production. Moisture was lost by being pumped out duction. Moisture was lost by being pumped out lecture on improving the rural home. Lantern singles of the soil by weeds, by percolating through the showed small dwellings on the bald prairie and subsoil and by being sucked up by the sun or wind others in the neighborhood well sheltered by windand lost by evaporation. He showed that the last breaks. It was shown that by intelligent planting and lost by evaporation. He showed that the last breaks. It was shown that by intelligent planting reasonably good protection was afforded in four to the department be asked to frame a regulation having in view the prohibiting of speeding contests of Whether it was wise to use the sub- eight years. surface packer, the surface packer or the ordinary land roller must be decided by the individual farmer. Generally speaking the sub-surface packer was Friday after advisable immediately after plowing. The surface the week.

summer and in that case a packer was not needed, as the June rains caused sufficient settling of the soil. For fall or spring plowing, however, packing was ough summer fallowing in conjunction with barley advisable. It was not safe to advise the purchase either of sub-surface packers because of the high price. Both were good implements for those who and F. J. Dash, of Hillesden, were read by J. Albert

ACCIDENTS WITH ENGINES.

EXTENSION WORK IN AGRICULTURE.

The proposed college extension work, whereby farmers in all parts of the province were to be given an opportunity to become well versed in the general principles underlying agricultural operations, was outlined by F. Hedley Auld. An effort would be made to make the instruction beneficial to women on the farm also. He hoped to see a club formed in each of the 2,000 school districts. Congenial and social intercourse was the aim. Boys and girls would also become interested.

JUDGING HEAVY HORSES.

On Wednesday afternoon a demonstration in horse judging was given by Dr. A. G. Hopkins, chief inspector of the Health of Animals branch. Five inspector of the Health of Animals branch. Five dealt with by J. H. Fraser, of Qu'Appelle. He urged specimens owned by Robt. Sinton were used and the various characteristics of a good horse carefully adopted by successful farmers in all sections. outlined and discussed in such way as to give all a fair idea about the selection of good specimens. Dr. Hopkins stated that Western Canada was capable of producing horses with superior hone and feet

DAIRYING, HORTICULTURE AND POULTRY

The wheat grower's interest in dairying was dealt An advisory committee comprising two members, with vigorously by Wm. Newman, of Lorneville, It was pointed out that in order to maintain to stock and made good use of manure, with the to a discussion of farming operations in Saskatchewan result that her yields per acre were larger than ever. from prior to 1890 down to 1910, by F. C. Tate, There was no reason why Saskatchewan oats should M.L.A., of Regina, and Hon. W. R. Motherwell, be bought by Ontario farmers to be fed to dairy herds while Duncan Anderson took a glance into the future and the butter made sent back to the west.

W. A. Wilson outlined the work done in Sas-

katchewan by the fattening stations and referred to that meant profit. on the market. Purebreds were ready for market at four months.

Horticulture in Western Canada was discussed by Manitoba's apple king, A. P. Stevenson, of Dunston. Special reference was made to the various kinds of fruit that have succeeded in the Canadian prairies of Broadview (chairman); F. W. Adams, of North and outlined the care that was necessary in supplying perfect windbreak and in thoroughly preparing the soil.

Battleford (secretary); H. Kerr, of Watson; W. R. Abbott, of Maple Creek; W. L. Ramsay, of Bladworth, and F. C. Washington, of Weyburn.

BEAUTIFYING THE HOME.

What can be done by the farmers of the West in in making their homes more attractive was carefully outlined by G. C. Harvey, of Indian Head, who has one of the most beautiful farm homes in Canada. A well drawn plan showing the location of buildings, shelter belt, hedges, gardens, etc., was used. In 1899 a start was made by planting hedges. In 1901 shelter belt, enclosing five or six acres, was set out.

Contrary to recommendations of many authorities The place of the soil packer in grain growing was taken up by A. F. Mantle, who cited the experiences from the inner rows of the shelter belt high enough

soil with constant attention after planting are the

planting division at Indian Head, gave an illustrated

SEED GROWERS' SESSION

The Canadian Seed Growers' Association session on Friday afternoon was one of the most interesting of the week. The address by T. N. Willing, of Regina, advisable immediately after plowing. The surface the week. The address by T. N. Willing, of Regina, packer did best work following a drill on spring in which the relationship between municipalities and povious weeds act was discussed, preceded discussion noxious weeds act was discussed, preceded discussion In the discussion Angus MacKay said he always on wild oats and their eradication. Many effective advocated plowing the summer fallow early in the means were submitted, but the general opinion was that the method adopted would have to be regulated according to conditions. Seeding to grasses and thor-

could afford them. Those who possessed a land Hand and James Murray. Simple and enecuve roller, however, could get along very well by making methods of improving the annual crop yield by hand selection of large compact heads from the field were outlined. Geo. L. Smith, of Saskatoon, referred to Means whereby accidents with steam and gasoline engines could be avoided were related by Prof. A. R. Greig, B. A. Sc., of the college of agriculture at Saskatoon. It was pointed out that over 80 per cent. of the accidents were due to the operator and not of the accidents were due to the operator and not of the accidents were due to the operator and not of the accidents were due to the operator and not of the accidents were due to the operator and not of the accidents were due to the operator and not of the accidents were due to the operator and not of the accidents were due to the operator and not of the accidents were due to the operator and not of the accidents were due to the operator and not operator and no Saskatoon. It was pointed out that over 80 per cent. of the accidents were due to the operator and not the machine. This showed that a competent engineer could eliminate practically all danger of accident. Too many engineers thought they knew almost all there was to know and became careless. With reasonable knowledge of engines and due care in handling there was little chance of meeting with 18 main crop. The product of this simple plant comprising three heads was kept and planted from year to year with its increase. In 1903 he had three pounds of seed; in 1904 he had four bushels; in 1905, 200 without opposition. F. W. Green, of Moose Jaw, to Red Fife, ripens in many days less time. A sample shown at the provincial grain show weighed handling there was little chance of meeting with 18 main crop. The product of this simple plant comprising three heads was kept and planted from year to year with its increase. In 1903 he had three pounds of seed; in 1904 he had four bushels; in 1905, 200 without opposition. F. W. Green, of Moose Jaw, was selected as the other member of the board. W. L. Ramsay, of Bladworth; Ed. Fitzgerald, of Grenfell; Ed. Crane, of Baring; W. A. Munro, of Rosthern, and Geo. L. Smith, of Saskatoon, were

A comparison of his farm with a neighbor's formed the basis of an interesting talk on the advantages of seed selection, by W. M. Black, of Creelman. Soil was the same and general cultural methods similar. but as a rule he had higher yields of grain that graded higher, than had his neighbor. The difference could be credited only to the fact that he practiced selection of seed.

John A. Mooney also urged the advisability of hand selection from strong typical plants. Personal experience had shown that the ordinary farmer can select for earliness, length of straw, hardiness, etc. As he became interested the field broadened. There was as much in a head of wheat as in any horse, if intelligent work were carried on along the same lines

Farming methods that induced early ripening were

FARMERS' CLUBS WORK

A. M. Campbell, of Argyle, Man., dealt vigorously with what he considered the earmarks of an ideal farmers' club lecture. The successful lecturer understood his topic and knew how to place the particulars clearly, forcibly and briefly before his hearers.

At the evening sessions on Wednesday and Thursday evenings Grenfell and Moose Jaw societies presented specimen farmers' club meetings.

OLD TIMERS' SESSION

The closing session on Friday evening was devoted and prognosticated the decade 1910 to 1920.

ALFALFA AND CORN DISPLAY

In keeping with the lively interest evinced in Alfalfa, two prime bales were displayed on the platform. These were cut from stacks belonging to Philip Leech and Ed. Crane, of the Grenfell society. Another interesting product was corn. I. B. Brown, of Bienfait; J. A. Brown, of Estevan; J. Killough, of Pense, and A. Bachmann, of Swift Current, each had fine specimen ears fully matured.

RESOLUTIONS PASSED

The resolutions committee comprised A. G. Hawkes,

Among the resolutions adopted were the follow-

Moved by W. L. Ramsay, and seconded by H Kerr, that the establishment of a central agricultural library available to agricultural society members, said library to be administered by the superinintendent of fairs and institutes from an efficient agency for the demonstration of central point, would be economical and agricultural information,

classification of horses and cattle at the various agricultural fairs throughout the province should be made and that an illustrated bulletin should be issued by the department of agriculture setting

By W. R. Abbott and F. W. Adams that this convention record their thanks to the Grain Growers Association for their efforts in behalf of the agricul-

tural interests of the province.

By P. M. Bredt and A. M. Black that the depart-

ing in view the prohibiting of speeding coother attractions while judging horses and cattle

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is in progress.

By J. Mitchell and W. P. Osler, that the grain expenses he auctioned hibits other than prize winning samples be auctioned off at the close of the convention, and returns sent to

After an interesting discussion as to the most desirable size of field for alfalfa competition, the following resolution was carried: That this convention approves of the suggestion that \$1,000 be raised by subscription by the canvassing of this convention and various agricultural societies and members thereof, and be given as a first prize for the best field of alfalfa consisting of ten acres in the year 1914, and that the commissioner of agriculture appoint a committee to carry the scheme into effect.

ADVISORY BOARD MEMBERS

In response to a request from the commissioner

ALBERTA FARMERS' ASSOCIATION

ghbor's formed advantages of Creelman. Soil iethods similar. of grain that The difference it he practiced

advisability of ants. Personal ary farmer can hardiness, etc. adened. There n any horse, if the same lines

y ripening were elle. He urged the methods sections.

ealt vigorously ks of an ideal lecturer underthe particulars hearers lay and Thurssocieties pre-

ig was devoted Saskatchewan Motherwell. into the future to 1920.

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st evinced in played on the s belonging to renfell society. I. B. Brown, ; J. Killough Current, each

A. G. Hawkes, ams, of North atson; W. R. isay, of Blad-eyburn. re the follow-

conded by H. al agricultural ociety mem y the superinan efficient central point, l information cieties, and a

that this cont convention more uniform the various ovince should tin should be ilture setting

that this conrain Growers of the agricul-

it the departr as affecting in order that the fairs. resolved that g contests or s and cattle

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to the most petition, the at this conat \$1,000 be ssing of this societies and prize for the es in the year rriculture apinto effect.

commissioner the farming by the dele I for the col-1 motion of ndent of the the board.

as appointed Moose Jaw, itzgerald, of Munro, of

the convention he outlined. Regarding the govern- ment elevators, and that this plan be submitted to atoon, were

to discuss.

given in their honor

meet with the entire satisfaction of the United Farm-

T. A. Crearer, who appeared as the representative

18/31

cially on the pork-packing establishment.

contained much valuable information.

PRESIDENT'S ADDRESS

The United Farmers' Association of Alberta held ment ownership of elevators he stated: "I am glad the proper parties at the first meeting of parliatheir second annual convention in Edmonton on to know that our government has not received favor- ment, with an urgent request that it be brought to Ianuary 19, 20 and 21. For the last few years the ably the proposition of bonusing privately owned a favorable issue. farmers of the sunny province have not only had elevators at the Pacific coast. This would be no visions of government owned and controlled elevators, benefit to us, unless the government retained such but also of a pork-packing establishment, built and control over them that the warehousing of our grain Canadian Mexican Pacific Steamship line, addressed controlled by the provincial government. At the would be completely taken out of the hands of inconvention those visions became more real, and terested parties. Another proposition, briefly hinted after the favorable announcements of considera- at, that of the association taking shares in a privately the Mexican market. He asked the convention to tion and proposed action made by Premier Ruther- owned elevator at the coast, would also, I believe, favor the scheme of guaranteeing bonds for the conford and the Hon. Duncan Marshall, minister of be fraught with grave danger to our best interests, agriculture, the delegates in their enthusiasm de- and may be but one of the many schemes evolved picted those oblong farmers' granaries carefully to draw us away from the firm stand we have hitherto holding "king wheat" secure from the grasp of the taken. As everlasting vigilance is the price of succorporations. The porkers also could be seen cess, it would not be wisdom on the part of the Grain wending their way to an establishment where hams Growers and United Farmers to relax too much in our be extended from 24 hours to two days was passed by were sent out bearing the government stamp. It efforts until government owned elevators are an ac-

is now quite apparent that Alberta is to have a complished fact. government owned pork-packing establishment. Many The other reports submitted dwelt on the many other questions of like importance came before the phases of the work, much of which was taken up convention. Among those might be mentioned at the convention.

farmers were the guests of the city at a large banquet their fees as life members.

REPORT ON TRANSPORTATION

From the very beginning of the convention the what they claimed to be their rights. Premier been lowering from year to year from the East. vention. The premier made some statements per-they have competition from the East, but not until there are thirty-six.

taken in the direction of agricultural advancement in then. President Bower supplemented the report of Mr. taken a trip to the Pacific coast to investigate the ment plant. By it he guarantees to furnish a cerprovincial horizon. He claimed that the hail insurance scheme on the part of the government had showed a desire for closer trade relations and expressed the great sympathy with the Alberta people further agrees to become a member of any associamet with a deficit last year as in other years, but in their desire for such relations. He quoted figures tion that may be formed in connection with the he was opposed to discontinuing government hail insurance. He defended the action of the governto show the great advantages of the British Colum-operation of such a plant. The agreement makes him bia markets. Mr. Bower then took up the question liable to a fine of \$2 per head for every hog he sells ment in placing the agricultural college at Strathof the competition now existing in the handling of to other plants, or fails to supply to the plant, short cona. He claimed that the government did not infarm products and suggested remedies in the interests of the farmers. "The welfare of Alberta is more vitally tied up with that of British Columbia ure of crops or other reasons over which the farmer tend to confine agricultural teaching to the college. A scheme is being devised to introduce agricultural teaching in the high schools. As for the problem than with any other province of the Dominion," he has no control. It is believed that, based on the of the grain trade, he advised that a committee of the convention be appointed to place before the government a practical scheme for the operation of the Alberta ested in the development of the markets of the at once be undertaken by the government, when a government a practical scheme for the operation grain trade on as profitable a basis as possible. But or at Fort Churchill. He suggested that a congress or at Fort Churchill. He suggested that a congress of both HAIL INSURANCE AND COYOTE BOUNTIES ship of elevators, both internal and terminal, will of the producing and consuming interests of both trade relations between the provinces.

At the opening session of the convention the Hon. Duncan Marshall, minister of agriculture, spoke re- ada, embodying a bill which will be submitted at the various unions of the province for their reports by garding the work of his department, dwelling espe- current session of the Dominion parliament, was the first of April. Resolutions were also passed unanimously endorsed by the convention. The reso- calling for larger bounties on coyotes; that further J. R. Boyle, member for Sturgeon, at this juncture lution provided for the approval of a bill for the pur- amendments be made in the Weights and Measures spoke to some length on the agricultural college pose of affording cheap, simple and effective facilities Act, and that the executive take up the matter with question, declaring as far as he was aware the ques- for the legal incorporation, regulation and control the government. A draft constitution for a proposed tion of the location of the agricultural college had of co-operative societies. A copy of this resolution national council of agriculture for all of Canada was not been finally settled, and he considered it an open will be sent to all the federal members and senators submitted to the convention in a letter from R. question, both for the legislature and the convention and they will be asked to give the bill their sup- McKenzie, secretary of the Manitobe Grain Growers' port.

TERMINAL AND INTERNAL ELEVATORS

sent by the Manitoba Grain Growers' Association. spoke as to the co-operation needed between the elevator questions passed the convention. The provincial associations. F. W. Green, Moose Jaw, first was proposed by the Rocky Coulee Association, organizer of the Grain Growers' Association in and dealt with terminal elevators. It was as fol-cussion, E. J. Palmer, chilled meat expert, explained Saskatchewan, delivered an address along the same lows: Resolved that the Dominion government the proposition which he had made to the governbe asked to take over the terminal elevators at Fort ment. The convention did not regard it with favor, The reports of the president and the secretary, William and Port Arthur, and also to build and fearing somewhat the probability of some corporation and also the transportation committee, as presented operate a terminal elevator at Vancouver, of suffigetting control. A resolution was passed calling upon before the convention, proved of much value and cient capacity to handle the prospective grain trade the government to take action towards the developvia the western route.

with internal elevators. It read as follows: Re- that the federal government should take immediate President Bower, in his report, dwelt on the im- solved that we are in favor of a plan by which the action, as it was in the interests of the whole west portance of the U. F. Association, and cited much government may build or secure elevators, and for for the establishment of the chilled beef industry to already accomplished. He made a strong plea for the advancement of this cause a committee be ap- be on a sound and permanent basis and that the inbetter organization work throughout the province, pointed who will formulate a fully detailed plan for terests of the producers should adequately be pro-The different matters of importance to come before the financing and operating of a system of govern-tected.

SHIPPING GRAIN TO MEXICO

Capt. T. H. Worsnop, general manager of the the convention on the western route for grain, dealstruction of a privately owned terminal elevator, which the government might have controlling interest. However, the convention did not consider the scheme favorably.

A resolution asking that the time for loading cars the convention.

PORK-PACKING PLANT

The question of a pork-packing plant is one of vital importance to the Alberta farmer. By the acthe establishment of a chilled meat plant, the ques- A number of resolutions, making changes in the tion of the convention they now have forced the hand tion of government hail insurance, the western constitution, passed the convention. Rice Sheppard, of the provincial government in the matter of the shipment of grain, the location of the agricultural of Strathcona, brought forth the resolution pro- pork-packing plant, and have broken the deadcollege, the advisability of starting a labor bureau, viding for the establishment of a life membership lock which has existed between the association and and the question of co-operation work and organiza- fund, at a fee of ten dollars, three dollars of same to be the farmers for some months, by adopting the agreetion among the different societies of the province, retained by the local union, three dollars to go to the ment as presented by the government representative Upwards of two hundred and fifty delegates at- central association for general expenses, or to create in place of their own draft. At first there were tended the convention, and it was conceded to be a reserve fund and the balance of four dollars to go many dissenters to this move, and not until after the largest of its kind ever held in Alberta. On to the organization fund for organization. Upon the much strenuous argument was it adopted. J. Rye, the evening of the second day of the convention the adopton of this resolution several members tendered of Edmonton, who was a member of the pork commission outlined the farmers' position as they had found it in Denmark, and his speech had much to do in causing the favorable termination of the Sydney Ottewell, Clover Bar, submitted the report resolution. In Denmark, he claimed, the farmer farmers were most urgent in their demands for of the transportation committee. Freight rates have guarantees to sell all his hogs to the plant he sup-Rutherford undoubtedly was fully aware of this he said, but are not yet what the farmers want. The domestic use. Twenty-three years ago the first ports, except those for breeding purposes, or hogs for fact, after attending the initial session of the con-

The provincial government agreement, as adopted the province, and the stand which the government Ottewell. In company with Mr. Wolford, he had farmer. It binds him to irrevocably support a governby the convention, is absolutely binding upon the conditions there. The British Columbia people tain number of hogs per year to the plant, also pledges himself to sell hogs to no other plant. He

Resolutions dealing with hail governments, be called in order to arrange for closer surance were submitted by a number of the local unions and after considerable A resolution from the co-operative union of Can-discussion it was decided that these be referred to the Association. The draft was discussed at some length by R. Speakman, Penhold, President Bower and Two very important resolutions dealing with the Secretary Fream, and then endorsed unanimously.

CHILLED MEAT PROPOSALS

The chilled meat question again came up for disment of a dead meat export trade and the establish-The second was from Fisburn union, and dealt ment of a chilled meat plant. It was pointed out

(Continued on page 170)

Britain was still so much concerned with election commodity, they can reduce with it the price of other matters that the leading wheat market of the world products that are partly dependent on meat values scarcely exerted the influence she usually does on for their present price level. Already it is evident cereal and food stuffs values. After this Liverpool that some reduction is to be affected in the price of much of a stir. Hogs are in fairly good volume and prices steady at last week's quotations. There are there are advance in cattle prices of about 25 cents. now that the results of the election seem certain. In the meantime wheat prices have been fluctuating around last week's level, with a slight average increase in values all round. The clamor in America for lower prices is gaining headway and American and Canadian governments are promising immediate investigation of the whole problem. Whether anything will come out of it is not yet clear, but the great middle classes, so called, are engineering a large sized north, and tremendous downpours of rain being reagitation and threaten to either break prices or receive ported from all Southern Europe. There was some satisfactory explanation of the reason they are so

The live stock situation has changed little from the last report. There is a tendency in American centres to revert the lower levels. Locally and in Eastern Canadian markets the going prices are about the same as a week ago. The American meat trust is likely to be driven into a corner finally, two separated make much difference. At present the most nearly investigations having been started against it last reliable estimate of exportable surplus from that week, and will probably have to cut its prices to quarter places it at 80,000,000 bushels. For the remaider of the world for the trust that it has the retail end of the business favorable and inclined to be bearish. entirely in its maw; in which event there would be a strong tendency to start hacking at the producer. But only a slight indication of the event of this contingency is yet evident.

So far as wheat is concerned the week was one of continued pressure of bear influence. It started auspiciously for that element and continued favorable all week though prices maintained strength and advanced a trifle.

World's shipments were again heavy and primary receipts away above the week previous. Russia continues to delivery heavily, though shipments fell off a few hundred thousand bushels from the week preceding. America increased her shipments someless than one-fifth what it was a year ago. Australia took third place last week among the world's wheat shippers. Last year at this season she was in first about 13 cents over the opening prices. Liverpool place.

VISIBLE SUPPLY

Canadian	VISI	ble	is at practica	ally the same	e level as a	
week ago.						
Canadian Wheat		- 1	Last Week	Prev. Week	Last Year	
Wheat			12,837,876	12,726,574	6,526,064	
Oats						
Barley			963,938	959,641	756,025	
American						
Wheat						
Oats			9,986,000	10,142,000	6.549.000	

WORLD'S SHIPMENTS

	Last Week I	rev. Week	Last Year
North America	. 2,752,000	2,032,000	2,848,000
Russia	. 2,296,000	2,920,000	592,000
Danube	. 936,000	456,000	344,000
India	. 160,000	296,000	
Argentina			
Australia	. 2,264,000	2,792,000	2,968,000
Various	. 112,000	136,000	184,000

STOCKS IN TERMINALS Total wheat in store, Fort William and Port Arthur, on Jan. 21, was 4,935,702, as against 4,772,965 last week, and 4,600,156 last year. The total shipments for the week were 332,138,30, last year 566,229. Amount of each grade was: 1910 1909

	No. 1 hard	23,886	3,836	
	No. 1 northern			
	No. 2 northern	1,625,921	1,330,089	
	No. 3 northern	1,008,461	1,073,268	
	No. 4			
	No. 5	54,763	248,504]
	Other grades			
		4,935,702	4.600.156	
J	Oats			
	Barley	417,554	420.571	
	Barley	651.065	732.386	J
			,	'n

HIGH PRICE AGITATION

The agitation against high prices for food stuffs is certain to act on wheat prices. In fact, its influence is already noticeable. While people can stop eating meat and other animal products, they cannot subsist without the staff of life, but at the same time if they keep at it long enough and with persistence they can influence a slump in the leading cereal.

To some extent wheat prices are high because the prices of other food products is high. There is a direct relation between the price say of meat and the price of flour. One cannot become abnormally high priced without affecting the exchange value of the other. Meat prices are high, so high in fact that choice cuts are selling at figures that make purchase March by the mass of consumers impossible. If by abstaining from meat eating they can reduce the price of that July

FOREIGN OUTLOOK

French crop is expected to be effected thereby, though nothing unfavorable has yet been cabled. of stock coming in Winnipeg prices are high, higher Stormy and severe weather prevailed all over Europe than the figures would indicate. The quality as a during last week, low temperatures accompanied by rule is poor. Sheep and lambs are practically out of snow being the crop influencing phenomena in the the running. ported from all Southern Europe. There was some business done with France in Canadian wheat during the week and enquiry from that quarter is expected to improve.

The Argentine, as has developed, is not as influential a factor in world's markets as was anticipated Whether the South American Republic ships 75,000,000 bushels or 100,000,000 bushels will not

For the remaider of the world the outlook is favorable and inclined to be bearish. American and Canadian primary receipts are heavy. The United States winter crop is reported in good condition. Australia is shipping well and Indian conditions regarded in every way favorable.

The situation, take it as a whole, is a rather peculiar

We have a new and decidedly strong bear factor in the cheap food agitation going on in America, which added to the substantial bear factor previously in evidence, viz., the large world supplies, makes a combination that should ordinarily break prices a little. But on the other hand it may not. Suspicions are beginning to develop that everything is not hunky dory in regard to the European winter crop and that the recent unusual weather will make a bull factor of some prominence pretty soon. Bulls, too, scout the idea that world's supplies are over large and what as did also Argentina, though the latter's was opine that 200,000,000 bushels or so don't cut much figure in world's supplies.

At the close of the week wheat regained and run came strong and a more brisk inquiry exists abroad for Canadian hard wheat. Latest reports made Argentina weak both as regards quantity and quality and that is having some effect on values.

Oats and barley show little change. Oats are expected to advance though exactly what is to induce the advance is difficult to say. Supplies are large, away beyond the average, both in Canada and the United States.

Flax showed a tendency to regain its former level and there is a feeling around the tendency to regain its former level.

and there is a feeling among some traders that the live stock values.

No. 1 Nor No. 2 Nor.	$102\frac{1}{8}$ $100\frac{1}{4}$	$102\frac{3}{4}$ $100\frac{3}{4}$	1031	$103\frac{1}{2}$	$102\frac{3}{4}$	103
No. 3 Nor.	981	983	101 1 99 1	101 1 99 1	$\frac{1003}{983}$	101
No. 4	96	$95\frac{3}{4}$	$96\frac{1}{2}$	$96\frac{1}{2}$	96	97
No. 5	93	93	931	$93\frac{1}{2}$	93	94
No. 6	85	85	$85\frac{1}{2}$	$85\frac{1}{2}$	85	86
Rej. 1, 1 Nor.		971	98	98	98	98
Rej. 1, 2 Nor.	96	$96\frac{2}{3}$	97	97	97	97
Rej. 2, 1 Nor.	96		97	97	97	97
Rej. 2, 2 Nor.	94		95	95		95
Rej. 1 Nor.						00
for seeds	96	$96\frac{1}{2}$	97	97	97	97
Rej. 2 Nor.						
for seeds	94	$94\frac{1}{2}$	95	95	95	95
Oats —	0.01					
No. 2 White	361	$36\frac{1}{2}$		37	37	37
No. 3 White	35	$34\frac{3}{4}$	35	$35\frac{3}{4}$	$35\frac{1}{2}$	35
Barley —	4 27 1					
No. 3 Flax —	4/1	$47\frac{1}{2}$	48	48	48	48
		109	1001	1001		
N. W		183	1884	188‡	189	189
CLO	SING	OPTIO			PEG	
Wheat —	Mon.		Wed.	Thur.	Fri.	Sat
Jan	$102\frac{3}{8}$	103 $106\frac{7}{8}$	$103\frac{1}{4}$	1031	103	104
May	$106\frac{3}{8}$	$106\frac{7}{8}$	1071	1071	1067	107
July	$107\frac{1}{4}$	1081	$108\frac{1}{2}$	$108\frac{7}{2}$	108	108
Oats —	0.00					
Jan	368	$36\frac{1}{8}$	$36\frac{7}{8}$	37	37	37
May	383	381	383	39	39	39
July Flax —	$39\frac{1}{2}$	$39\frac{1}{2}$	$39\frac{7}{8}$	393	397	40
Tax —	100	101	1001			
Jan		184		1881		189
May	193	184	1881			188
July	190	187	193	193	195	195
	I	IVER	POOL			
Vo. 1 Nor	1213	1VER 1213 1201 110	1201	1201	1213	1913
Vo. 2 Nor.	120	$120\frac{1}{8}$	1195	1193	1203	120
Vo. 3 Nor	$118\frac{7}{8}$	119	1185	1185	1187	1187

 $\frac{118\frac{1}{8}}{116\frac{1}{2}}$

has been an advance in cattle prices of about 25 cents per cwt. all round. This advance is due to stronger There have been unusual floods in France and the cattle prices in outside markets as well as to lighter receipts in the local markets. Considering the kind

MARKET QUOTATIONS

Receipts of cattle for the past week show considerable decrease and the quality is mostly common, market good for any cattle with quality. Hog receipts fairly liberal, market active, strong at prevailing quotations. Practically no sheep or lambs arriving. ery few calves offered, quality common.

Choice export steers, freight assumed. \$4.50 to \$4.75 4.00 to 4.25 Good export steers, freight assumed Choice export heifers, freight assumed . 4.00 to 4.25 Choice butcher steers and heifers.

delivered		
Good butcher cows and heifers	3.50 to	4.00
Medium mixed butcher cattle		
Choice hogs	8.25 to	8.50
Choice lambs	6.00 to	6.50
Choice sheep	5.00 to	5.50
Choice calves	3.00 to	3.50
Medium calves	2.50 to	3.00
DEDDECENTATIVE DUDCI	IACEC	

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Vo.	Hog	S	_	_															1	Ave		Wt.	Pr	ice
96	Mediu	m	- 1	h	0	Z'S																181	\$8.	50
13	6.6				ı i																	227	8.	25
3	6.4				4 4																	140	8.	00
C	ATTLE -	_																						
8	Steers	а	n	d		C	V	V S	S												1	159	4.	70
20	4.6		6.6				6 6														1	049	4.	30
19	Steers	a	no	1	h	le	if	eı	rs													952	4.	00
2	Cows											,							,		1	012	4.	25
7	4.4																				1	132	4.	00
10	4.4																					957	3.	80
22	4.4																					933	3.	75
5	4.6																				1	026	3.	55
3	Bulls								,												1	528	4.	00
1.	4.4																				1	240	3.	25
																						400	4.	25
1	4.4																					105	4.	00
4	Calves																					350	3.	80
3	11																					216	3.	75
	IEEP —																							
2	Sheep																					183	5.	50

Old country cables do not indicate much change in Ranchers are not quoted, few

decline is only a temporary one. At the same time, however, it is difficult to see what will cause the seed to go much higher. There are yet a lot of bulls in the flax market.

CASH PRICES

Wheat—

No. 1 Nor. . 102½ 102¾ 103¼ 103¾ 103¾ 103¾ 103¾ 103¾ \$13 to \$14 per cwt.

Ranchers are not quoted, lew offering at either Liverpool or London markets. American steers are 13c. to 13¾c. at Liverpool; to anadians, 12¾c. to 13c. per 1b; ranchers, 10c. to 11½c.; bulls, 9c. to 10c. At London Deptford market nothing but American steers were offering. Prices for these were from 033 \$13 to \$14 per cwt.

CALGARY

Live-stock prices on the Calgary market show nothing whatever sensational. The demand for horse flesh is greater than anything along the bovine or porcine line. Good work horses are in good demand.

The cattle arriving are mostly butchers' stock. Steers sell at 3c. to 3\frac{3}{4}c.; cows, per lb., 2\frac{1}{2}c. to 3c.; hogs, per lb., 8c., and mutton, per lb., 5c. The demand for country produce, such as butter and eggs, is exceedingly brisk, the local supply much below the demand CHICAGO

Beef cattle, \$4.25 to \$7.75; cows and heifers, \$2.25 7 to \$6.10; stockers and feeders, \$3.25 to \$5.40; 5½ Texans, \$5.00 to \$6.00; calves, \$6.50 to \$9.00; sheep, \$3.75 to \$6.00; lambs, \$5.50 to \$8.25; hogs, \$8.00 to \$8.50.

TORONTO Export steers, \$5.35 to \$6.00; heifers, \$5.75 to \$6.00; butcher cattle, \$5.25 to \$5.50; stockers, \$3.00 to \$3.50; calves, \$3.25 to \$7.25; sheep, \$3.50 to \$4.25; lambs, \$6.50 to \$7.40; hogs, f.o.b., \$8.65 to \$8.85; fed and watered, \$8.40 to \$8.50.

HORSE MARKETS Demand in Eastern markets on Western account continues active. At Toronto choice drafters are quoted at \$175 to \$250; agricultural, \$130 to \$200; farm horses, \$110 to \$200. These are average for prices for average age horses. Choice young horses, sound, of weight and quality, wil sell rveo these prices considerably.

At Winnipeg inquiry is increasing for serviceable horses for farm work. There is usually at this season a number of idle horses about the city which are being rapidly picked by farmers requiring work horses. Some of these animals are all right for farm work, their principal disqualification being that they are a little tender on the feet due to heavy travel on the hard pavements. Some of these may be procured at comparatively low prices.

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Home elouirmal

People and Things the World Over

To the vocabulary of the airship Professor Alexander Graham Bell contributes the words drome and droming. The English favor the still simpler words flier and flying.

At 80 years of age, nearly blind, and worn with 65 years' beneficent toil, seldom equalled in the annals of humanity, General Wm. Booth, of the Salvation Army, has sat down to write his autobiography. The general has earned the undying gratitude of the world.

M. Paderewski has presented to the city of Cracow, Austrian Poland, a statute 40 feet high of King Ladislas Jagiello, the Polish monarch who defeated the Germans at Gdunwald in 1410. It is the work of the Polish sculptor, M. Wiwulski, and cost £12,000.

The Carnegie hero fund commission has announced that seventeen more heroes have been added to the list. There were five silver and twelve bronze medals awarded, and about \$19,000 in money. The acts of heroism cover rescues from drowning, electrocution, trains, fire and suffocation.

A despatch from Providence, Rhode Island, calls attention to the fact that Brown University provides special courses in preparation for public or government service, covering such subjects as international law; natural, industrial and commercial resources; history, government institutions, and modern languages. President Taft has ordered examinations now preparatory to diplomatic appointments. This ought to be an improvement on the "political pull.

At the Unionist meetings of the present election campaign in the Home Land one hears Canada described as enjoying splendid prosperity owing to the tariff. The same is claimed for every other protectionist country; while at Liberal meetings a picture quite the reverse is drawn. 000 would seize the chance

Sir to the

Through this site the Euphrates runs, and is divided into four arms, representing the four rivers of Eden. Sir William suggests that the deluge was merely the flooding of the entire plain to these rivers breaking down the irrigation dikes which had been built by the pastoral dwellers on the plain.

over a million pounds.

My Books

Ah! well I love those books of mine, That stand so trimly on the shelves, With here and there a broken line (Fat "quartos" jostling modest "twelves") A curious company I own: The poorest ranking with their betters; In brief—a thing almost unknown— A Pure Democracy—of Letters.

A worthy gathering are they; Some fairly worth their weight in gold; Some just too good to throw away: Some scarcely worth the place they hold, Yet well I love them, one and all, These friends so meek and unobtrusive, Who never fail to come at call, ·Nor (if I scold them) turn abusive.

If I have favorites here and there, And, like a monarch, pick and choose, I never meet an angry stare That this I take and that refuse; No discords rise my soul to vex, Among these peaceful book relations, No envious strife of age or sex To mar my quiet lucubrations.

And they have still another merit, Which otherwise one vainly seeks, Whate'er may be an author's spirit, He never uninvited speaks. And should he prove a fool or clown, Unworth the precious time you're spending, How quickly you "can put him down. Or "shut him up" without offending!

I call them friends, these quiet books, And well the title they may claim, Who always give me cheerful looks. (What living friend has done the same?) And, for companionship, how few, As these, my cronies ever present, Of all the friends I ever knew Have been so useful and so pleasant? -John G. Saxe.

The Crop of College Heads

has a paragraph drawing attention to the out-Scotia and much of his experience in the Presstatistics. byterian college at Halifax. Dr. D. M. Gorbetween the Euphrates and the Tigris, owing don, the present head of Queen's, is a Pictou Covent Garden, and took the town by storm. is a native of Guysboro county, Nova Scotia.

Where Their Money Went

A Chicago paper has been making an estimate of the amount given for education and philan-thropy in the United States during 1909. The total was \$150,641,253, which was ten millions more than the record of any previous year. About sixty-seven and a half millions of this tremendous sum went to charity; a little over forty-six to educational institutions; about half the latter amount went to religious organizations, nearly nine millions to art museums, and three millions to libraries. The donors of the largest sums were those who could best afford to give-Rockefeller, Carnegie, Frick, Charles Ellis, John S. Kennedy, Caroline Stokes and Elizabeth Bingham. One of the gifts of a million was made by Edward Ginn, of Boston, to the cause of universal peace. An unnamed donor gave over a million to the New York Teachers' College, and another similarly modest soul gave a million to charity.

Training the Memory

Unlike greatness, though some may be born with a retentive memory and some may achieve one, none ever have it thrust upon them. The number of those born with a good memory is not large. The great majority of human beings are in the class of those who by patience and perseverance achieve it or else, being too indolent or careless to do so, make a new class of them-selves whose cry is "I have a wretched memory." This is delivered as if it were something to be almost proud of and as a good excuse for almost every neglect of duty.

Almost invariably the successful man in any walk of life has a memory that grasps and holds essentials and also seeming non-essentials. And in very few cases is it a natural gift, but it has been cultivated with great care with the know-

ledge of what its possession will mean to its owner. Do you ever try at night to recall the events of the day: what you have done, seen, heard or thought since rising? The difficulty of correct recall will surprise you if you have not tried it before. But incompetent memory is not entirely to blame In its New Year edition the Halifax Chronicle like of the indolent mind to having a clear and The Stratford Express says if the Canadian put for which Nova Scotia is becoming increas- deep impression made upon it, account for a government should offer a free passage home ingly remarkable—the production and export good deal of the failure to recall distinctly at to any Britishers wanting to return at least 100,- of college presidents. In its nurture of a high the end of the day. But practice is the great intellectuality that makes leaders in a plane thing in memory cultivation. Learn short above mere material things, the little province by the Atlantic can feel honest pride—New extracts from good writers and you will have Scotland has kept and cultivated the great gained two things—a helpful thought and a William Wilcox, the British adviser to the quality that has made auld Scotia a power in strengthened mind. Try to fix in your mind minister of public works, thinks he has deter-the earth. At the present time no less than the exact words that your family and neighbors mined the exact site of the Garden of Eden. He five of the great and growing universities of places it at Hairlah, a flourishing oasis, some America have as heads men who were trained figures, sizes, distances. You may not ever need and fitted for the post in Nova Scotia. The figures, sizes, distances. You may not ever need president of Toronto University, Dr. R. A. those particular numbers, but some day you will Falconer, got part of his schooling in Nova want your memory to grip on some important

There are some marvellous accounts of retenman and spent most of his life in the province tive memories preserved in historical records before succeeding Dr. Grant at Kingston. Dr. of various countries. Magliabechi, an Italian A. Ross Hill was born in Colchester county, and scholar of the 17th century, was lent a long manu-Fifty years ago Madame Adelina Patti made States. He has done work in several American her debut at the New York Academy of Music in colleges, and is now head of the University of to repeat its contents word for word. Rev. Donizetti's "Lucia di Lammermoor. Though Missouri, with 200 professors and 3,000 students John Wallis, an Englishman, worked out menthen only sixteen years of age, her voice already under him. Western Canada has been fortunate tally in bed one sleepless night the square root exhibited those marvelous qualities which have enough to get hold of two of these Nova Scotia since won for its possessor the very highest place intellectuals. Dr. Walter C. Murray, formerly of among the world's great singers. The recep- Dalhousie College, has undertaken as its first after. Pliny says that Cyrus the Great knew tion accorded her that night well befitted the president to lay the foundations of the Saskatche- after. Pliny says that Cyrus the Great knew opening of that wonderful career in the course of wan University at Saskatoon. It is a great op- the names of all his soldiers. (Remembering which the great prima donna has earned well portunity and only a great man can deal with names and faces is a prime necessity with statesover a million pounds. Two years later, when it properly. A similar work is being carried her fame was already well established, the young on in Sunny Alberta by Dr. H. M. Tory, first soprano appeared in "La Somnambula," at president of the Alberta University. Dr. Tory to prove that his mind was still firm, recited Covert to the Judges the Oedipus at Colona.

HOPE'S

Editor "Quiet Hour:"

thought came to me that you must reach ister, if he compared notes with a Jew-starve one's minister, and a very good duced into the bread dough it breaks a very large number of the farmers' homes in this province, and, while perhaps the following does not really belong more scantily than those who ministered when he is full of anxiety about earthly stretches out in the glutinous mass, to your department, I thought perhaps as priests under the law. Even heathen things? you might be able to do something in priests might look with amazement at the matter. The subject I would like to the grudging offerings of many Christmention is the very irregular way a min- ians. ister is paid his salary in many places in the country. From early spring to late ness standpoint, leaving the religious obfall, money is scarce in a farmer's home, no doubt, but too often they never seem to remember that a minister has no farm grumble at a lack of efficiency on the to depend on, and that the butcher, part of their ministers. If the conman must be paid, and a minister forced themselves of leaders able to lift their to live on credit must suffer as well as ideals high, and give them hope and dealer chooses to give him.

forced into debt, and yet there are ministers, with families depending on them, who not only have to run store bills, but have to borrow money during the summer. The trouble is, the farmer and drudge from morning to night and has his wife have no idea what it means to no time, strength, or heart, to be a have to pay for every pint of milk used, for every egg, and every pound of but- to the family. So also a congregation ter and meat used in the house, besides suffers infinite loss when its minister very likely cannot afford to wait months istering. for a settlement, any more than the farmer can afford to wait for months for payment for his grain, or dairy pro-

"What has this to do with the 'Quiet Hour'?" a farmer or his wife may ask, but I should think that the "Quiet Hour" would be all the more enjoyable if the church members were sure that their minister and his wife were receiving enough money each month to pay their weekly bills, and not having to worry over how to meet the store-bills that seem to grow large so fast.

I think this condition of affairs is caused, not because the members do not want to do everything for their minister's comfort, but because they have never been forced to depend on dealers for the necessaries of life, and so do not realize what it means to be under the necessity of having cash on hand at all Yours sincerely.

"READER."

WORTHY OF HIS HIRE

(S. Matt. x.: 9, 10; S. Luke x.: 7)

to the letter, and whole body. also to take it for this week's topic. Some farmers have an idea that a are useful, like those which ripen milk; St. Paul declares that the Lord Himself minister is not a "laborer worthy of his and many are harmful, since they cause position, for the bacteria may give off has "ordained that they which preach hire," because he does not know how to waste or may be direct cause of disease. the Gospel should live of the Gospel." This is one of the laws of Christ's King-worn, and he does not usually get up at bacteria appropriate our food, with Certain apparently mysterious cases of dom, being a continuation of the laws of five o'clock in the morning. Sad indeed the result that it sours, rots, or putrefies illness have been traced to such causes, maintenance of the priests and Levites, would the condition of a congregation be but they sometimes leave behind disand milk, fish, meat, cheese, baked so strongly declared by Moses. We are if the minister spent his days working in agreeable consequences like the musty told that those who minister "spiritual" the fields, to the neglect of his proper and moldy odor and flavor of some all been found responsible for food things to their brethren should, as a work. The people would suffer from spoiled foods, or the substances called poisoning. This sort of poisoning is not matter of course, receive in return a famine of the worst kind.—Amos viii. ptomaines, which are sometimes poisonnecessary supply of "carnal" things- 11. though no earthly gifts can ever balance I once read a story about the building Not until millions of yeast cells are

Levi was not given any inheritance—ex- man for the place," because he climbed cake. Yeast plants are practically already formed in the food by the cept forty-eight cities. The members of on beams, driving nails with the work- everywhere and are of many varieties, bacteria. this priestly tribe were set apart to min-men, working as hard with his hands as some being called wild yeasts, in disister about holy things, and the other any of them. But the company had a finction from those we have learned to airing and sunning that for many gen tribes were allowed the privilege of sup- different opinion, and sent down another cultivate for the making of bread. The erations have been practiced by good plying their earthly necessities. The man to take charge, who sarcastically old-fashioned method of making milk- housekeepers, together with good reason "tenth" was their portion—so that rich informed the cheery "boss" that he had rising or salt-rising bread depended on for the need of other precautions to be and poor each paid a reasonable propor- better go to the foreman for his dollar wild yeast falling into dough and caus- taken for home sanitation, will be found tion—and to them was also given the or two a day, "like the other hands." ing the bread to rise, a method not in Farmer's Bulletin 375, "Care of

as though Jews were grasping and neglect of his own. In reading the "Quiet Hour," the miserly, but I am afraid a Christian min-

Let us look at this matter from a busiligation aside for the present. People complain that sermons are "poor." and baker, milkman, grocer and dry goods gregations realized the spiritual gain to anyone else, and must take what the courage for the battle of life, they would Cheer up, you shivering pessimist!

dealer chooses to give him.

courage for the battle of life, they would Cheer up, you shivering pessimist!

dealer chooses to give him. No honest man or woman likes to be anxiety about worldly matters which would allow these consecrated men to Forget the sulky cook stove, throw themselves whole-hearted into spiritual work. A family suffers terrible loss when the house-mother is forced to drudge from morning to night and has bright, well-read, thoughtful companion the clothing, books, and other necessary is not set free to attend to his reading of food it is important that we realize expenses. The dealers do not like, or, and studying, to his praying and min- the causes of what is called the spoiling

whole job. The new leader had not toil- of the yeast in the struggle for food, and worn hands, but he understood the duty the result of their life in the dough was assigned to him, and did it. The job sour or bitter bread. was finished on time, just because he Even when we are able to utilize the did not do other men's work to the life processes of the yeast plant, its good

ish priest, might feel that those who—as way to starve one's own soul. How can up part of the sugar present into alcohol St. Paul says—"live of the Gospel," fare he minister to you of spiritual things, and carbonic-acid gas, and the gas

DORA FARNCOMB.

Happiness is not the end of life: char- of the oven.

-Henry Ward Beecher.

INGLE NOOK

THE NORTH WIND.

check

Wind Coming back.

THE CARE OF FOOD IN THE HOME

In the buying, storing, and handling of food. And the knowledge that the The church is a body, and each mem-spoiling is due to yeasts, molds, and

brains and keep the oversight of the the dough, and sometimes got the better

offices are paid for with a certain amount It is the very poorest economy to of food material; thus, when intromaking the porous loaf which at the right moment is stiffened by the heat

In the same way the wild yeast attacks the sugar in the stewed fruit that has stood exposed on a warm day or the jelly left uncovered, or sometimes even when apparently covered, only in these cases the gas evolved serves no useful purpose and the fermentation ruins the taste of the food. Yeasts grow best at a temperature of 70° to 90° F.; therefore, food that is to be protected from their action must be kept well below that point.

The appearance of mold as growing on bread, cheese, and other foods is familiar to every housewife. The spores of the different varieties of mold are everywhere present, and they need only warmth and moisture to enable them to grow on many kinds of food. These organisms are always at work in damp cellars and in dark and damp corners of rooms; they are borne on the feet of insects, they are on the skins of all fruits, and in the dust flying in the air. They are not fond of light and they require no great abundance of air, flourishing best in foods that are piled close together, leaving small, undisturbed air spaces and moisture,

The growth of most molds is retarded by light, ventilation, and low tempera-

From the standpoint of household sanitation, bacteria are the most important of these micro-organisms. They are widely distributed; the soil teems with them; they are in the air, in water, and in all foods exposed to dust

In some foods bacteria in the early stages of their action leave no disagreeable or unhealthful effects, so far as yet proved. Meat is in some measure ripened by bacterial action, and the 'gamey'' taste given meat by "hanging" comes in part from the same cause, though in both cases the changes are chiefly due to the action of ferments normally present. It is not easy to draw the line between the harmless ripening processes and the bacterial changes classed as decay, but if the bacteria are allowed to grow without hindrance the time comes when the food, either animal or vegetable, attacked by bacteria, breaks up into a loathsome

The food may become dangerous even before it shows outward signs of decomsubstances known as ptomaines, some of beans, ice cream, and other foods have a true bacterial disease; that is, it is not due, as is typhoid fever, to the growth of an organism in the body, but the ill-

A new meaning for the scrubbing,



ber has his own share in the well-being bacteria is comparatively recent. of the whole. We know what loss the Countless numbers of tiny living The writer of the letter given above may do very little hard work—in the man has prepared for his own use and seems to feel that the subject of paying opinion of the sturdy feet or toil-worn cause it to spoil. These microscopic a minister's salary with businesslike hands—and yet these eyes, with their plants flourish in the kitchen, storeroom promptness is outside the province of apparently light duty, are precious treasice box, milk room and cellar. The

plow, because his hands are not toil- Not only do yeasts, molds, and which are very poisonous to man

the account.—1 Cor., ix., 11; Gal. vi.: 6. of a big grain-elevator in a great hurry. massed together do they become visible ness results from the introduction into Under the old covenant, the tribe of The "boss" thought he was "just the to the eye as in the compressed yeast the system of poisonous substances are in the compressed yeast the system of poisonous substances. "best" of the first fruits and other offer- He was given a larger income in order always successful, because other organ- Food in the Home," just issued by the

whole body suffers when the eyes are things called micro-organisms are every overworked and overstrained. The eye where found which will grow in the food the "Quiet Hour." But I am very glad ures, very necessary to the welfare of the bulk of these minute forms of life are harmless, under usual conditions; some

ings. People are very fond of speaking that he might be free to work his isms, the bacteria, also had a chance at U.S. Department of Agriculture.

mes got the better ggle for food, and in the dough was

able to utilize the ast plant, its good a certain amount us, when introdough it breaks esent into alcohol s, and the gas glutinous mass. af which at the ned by the heat

the wild yeast the stewed fruit d on a warm day red, or sometimes covered, only in volved serves no he fermentation e food. Yeasts rature of 70° to d that is to be action must be point.

nold as growing other foods is vife. The spores ies of mold are d they need only to enable them of food. These t work in damp damp corners of on the feet of kins of all fruits, a the air. They nd they require air, flourishing piled close toundisturbed air

nolds is retarded id low tempera-

t of household the most imnicro-organisms. buted; the soil ire in the air, in exposed to dust

ia in the early ave no disagreets, so far as yet some measure ction, and the it by "hanging" e same cause, he changes are on of ferments s not easy to the harmless the bacterial ay, but if the grow without s when the food, le, attacked by

a loathsome

dangerous even signs of decoma may give off naines, some of lous to man. erious cases of to such causes, cheese, baked her foods have sible for food oisoning is not hat is, it is not to the growth ly, but the illroduction into us substances food by the

he scrubbing, for many genticed by good th good reason cautions to be , will be found 75, "Care of issued by the culture.

February 2, 1910

the way it is run and kept so very clean the lid, put the weights on a- P. S. I forgot to say that I am clean. I think the Ingle Nook is one gain and leave for a month when it going to try water glass to pack of the finest of its class and there are will be ready for use. I hope you eggs in. I believe it costs about a some very clever lady correspondents, will find this recipe satisfactory. It cent a dozen. I always look forward to this page is one the Germans use. Come and and am sorry there are not more let- see us again.-D. D.) ters every week, but perhaps I should make an effort and do my share keep up the fine reputation of the Ingle Nook." I may say in answer Dear Dame Durden:—I meant to to a private enquiry by this writer write last spring and tell how I made that Winnipeg is sufficient address my poultry more. Well, the greater

A reader was enquiring for pattern designs for misses. Quite a fair proportion of the designs shown in proportion of the designs shown in our fashion department are for young girls; for instance, in the issues of Sept. 15, Oct. 6, Nov. 10, Nov. 17, Dec. 22, Dec. 29. If she has not these issues she may be able to borrow them from a neighbor.

Sept. 16 Hem to the local stores as there is always a good demand for eggs at Christmas. The eggs came out good and fresh.

Figure up fifty dozen eggs at thirty-five cents and the same at fifteen cents and see how easily ten dollars row them from a neighbor.

DON'T BAR THE UNHAPPY.

Dear Dame Durden:-May I come in again to have a chat with you all? I am not so lonesome as when I came before. We are living in Cardston for the winter so that my little girl can go to school. We will have a school close to our farm next year, for our country is being settled fast. It lies between the Kootenay and Belly

rivers and it sure is a pretty place. Dear Dame Durden, please don't bar the sister out that comes with her troubles, for it is a great relief to many to tell their troubles to some If she tells them to a neighbor ceive some help and sympathy besides. Although my own home is happy and I wish every life was as happy as mine, yet I have seen in my travels some miserable and unhappy homes. If the wife could some good advice things might be

brought them up for a six weeks' visit. I sure enjoyed it. Must close

it of our capability. Glad your name very dry and brittle and the washing is becoming less appropriate every made it drier still, but it cleaned the day .- D. D.

SAUERKRAUT.

your paper for a year and see a lot of helpful things in it, so we are always glad when the mail is coming. I live on a homestead nine miles from Teulon. We have six head of cattle which is not much, but is very satisfactors. factory for a poor family. Can anyone tell me how to make sauerkraut? Miss L.

(Sauerkraut,—A wine or vinegar barrel is better than a new one. Slice white cabbage in thin shreds. At the bottom of the barrel put a layer of salt, then a layer of cabbage, and so on in alternate layers pressing down each layer firmly. A few carraway or corriander seeds are sometimes added for flavor. When the barrel has been pressed full lay a clean cloth over the cabbage. Put

INGLE NOOK NEWS NOTES.

Here's an extract from a male well-wisher that is encouraging. I think it does us good to hear a little praise sometimes.

"I may say that I am a silent reader of the Ingle Nook and admire reader of the Ingle Nook and admi

EGGS-BROWN BREAD-HAIR

that winnings is sufficient address my pountry money. Well, the greater part of it was made from turkeys, and the rest from packed eggs. I packed the eggs when they were short note from our old friend, Lancashire Lass, who has been over a year now in Old England. She strictly fresh. I kept them in a cool sent some very pretty views and has room and sold them in December for promised a letter for the Ingle Nook. thirty-five cents per dozen. (They were packed in September when eggs were fifteen cents). There is no need to ship the eggs away. You can sell them to the local stores as there

can be made.

I saw some one asking last Easter for a good recipe for Easter buns. Here is one I use, and they are good at any time and cheap: 3 cups sweet milk, 1 yeast cake, soaked in ½ cup warm water; set this as a sponge over night warmly covered up. In the morning add scant \(\frac{3}{4} \) cup sugar, cup melted lard, 1 salt spoon salt, make into a soft dough. Let rise for about five hours. Then roll out, cut into round cakes, let rise for half an hour and bake to a light brown, brush the top with a little cream and sugar. Don't let the dough get cold. they are good. A cheap way to probaking sour together they are good. A cheap way to probaking sour together wide material for porridge is to take slowly one hour. A bag of good clean wheat and get it is not the relief of telling and repair they are good. A cheap way to probaking sour together wide material for porridge is to take slowly one hour. A bag of good clean wheat and get it is not they are good. A cheap way to probaking sour together with they are good. A cheap way to probaking sour together with they are good. A cheap way to probaking sour together with they are good. A cheap way to probaking sour together with they are good. A cheap way to probaking sour together with they are good. A cheap way to probaking sour together with they are good. A cheap way to probaking source to take slowly one hour. makes splendid porridge and does a- half full as it swells. way with a big oatmeal bill. Good

hair has been falling out by the handful but I have got it stopped by the following treatment: Have washed No. visit. I sure enjoyed it. Must close now with best wishes to all this new year.

Lonesome One.

Lonesome One.

(Dear heart, you may be sure that as long as I am here there will never be a bar put up between the Ingle Nook and the woman who needs any help you and I can give her. That have run out of the above I have us-night in the following treatment: Have washed the hair once a week, making a lathfollowing a lathfollowing treatment: Have washed No. 4—2 cups corn meal, 1 cup between the hair once a week, making a lathfollowing treatment: Have washed the hair once a week, making a lathfollowing treatment: Have washed the hair once a week, making a lathfollowing treatment: Have washed No. 4—2 cups corn meal, 1 cup between the hair once a week, making a lathfollowing treatment: Have washed No. 5—1 pint corn meal, 1 cup with the hair once a week, making a lathfollowing treatment: Have washed the hair once a week, making a lathfollowing treatment: Have washed No. 5—1 pint corn meal, 1 cup between the kear once a week, making a lathfollowing treatment: Have washed No. 4—2 cups sweet milk, 1 cup butter into the scalp. Then I rinse it in the treatment: Have washed No. 5—1 pint corn meal, 1 cup with the hair once a week, making a lathfollowing treatment: Have washed No. 4—2 cups corn meal, 1 cup with the hair once a week, making a lathfollowing treatment: Have washed No. 4—2 cups sweet milk, 1 cup butter into the scalp. The pint corn meal, very milk, ½ cup molasses, a little salt, 2 into the scalp. Then I rinse it in the pint into the scalp. Then I rinse it in the pint into the scalp. Then I rinse it in the pint into the scalp. The pint corn meal, 1 cup with the hair once a week, making a lathfollowing treatment: Have washed No. 5—1 pint corn meal, very milk, ½ cup molasses, a little salt, 2 into the scalp. The pint corn meal, very milk, ½ cup molasses, a little salt, 2 into the scalp. The pint corn meal, very milk, ½ cup molasses, a little salt, 2 into the scalp. The pint corn meal, 2 cups sweet milk, 1 cup with pint i scalp and the tonic supplied nourishment for the roots. I rub it in every night, and in the case of the oint-

P. S. I forgot to say that I am

(I forwarded your letter to English Rose the day it came. Thanks very much for your help. It seems good to hear from you again .- D. D.)

A HELPFUL NEW MEMBER.

Dear Dame Durden:-I saw Emerald Gem's remark about her brown bread and I thought I'd tell you my experience. I always make whole bread. In this part of British Columbia that is what is called brown bread. I set my sponge the same as for white bread and if I have milk, use milk instead of water, with which to mix it. I take white flour to make the sponge, also add about one-half white flour to the whole wheat flour and make the dough as soft as I can, sometimes mixing it as as stiff as I can with a spoon, and letting it raise over night, then putting it in the baking tins without a second kneading down in the mixing dish. I find if I wish the crust soft I must not have my oven too hot when I bake it, as slow, steady heat in the oven is better for any kind of brown bread. Then, too, as soon as the bread is cooked, I remove from the tins and give a coat of melted butter all over and I find the crust remains soft till the bread is all used up. I also enclose some recipes for other Clarer varieties of brown bread which makes Cyril.

Arual Yelgdim.

No. 1-3 cups graham flour, 2 cups brush the top with a little cream and sugar. Don't let the dough get cold. Salt, \(\frac{3}{4}\) baking soda, 1 cup raisins or Try them and I think you will say they are good. A cheap way to probaking soda together first. Bake wide material for porridge is to take clearly contained to the color of the c

cost us forty cents a bag to get this meal and rye meal, 1 cup molasses, done. Then take the coarsest of the 2 teaspoons soda, mixed with water; bran out by putting through a flour 1 teaspoon salt, boil 3 hours (a close an affectionate child.

Mary, 10 years old, a pretty child, dark eyes, better after the bran is out. This be boiled). Fill the tin less than hair, smiling and bright is a good little housekeeper for the protection of the covered lard tin less than hair, smiling and bright is a good little housekeeper for the protection of the covered lard tin less than hair, smiling and bright is a good little housekeeper for the protection of the covered lard tin less than hair, smiling and bright is a good little housekeeper for the protection of the covered lard tin less than hair, smiling and bright is a good little housekeeper for the protection of the covered lard tin less than hair, smiling and bright is a good little housekeeper for the protection of the covered lard tin less than hair, smiling and bright is a good little housekeeper for the protection of the covered lard tin less than hair, smiling and bright is a good little housekeeper for the protection of the covered lard tin less than hair, smiling and bright is a good little housekeeper for the protection of the protection

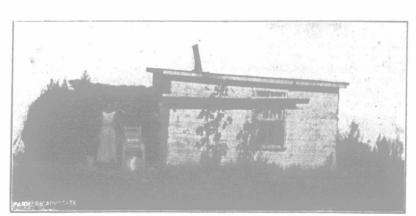
different.

How many of our readers are grandmothers? I have two little grandmothers. How heart good to see them and hear their little voices! They and hear their little voices! They and hear their little voices! They and hear their mother live in Oklahoma and their mother.

Way with a big oatmeal bill. Good brown bread can also be made by white flour, 1 cup molasses, 1 cup This is the state of the shelter at yeast, 1 teaspoon salt, mix soft like present, but additions are soon expended by the stiffen it with.

Stiffen it with.

I might tell "A Friend" that my hair has been falling out by the hand-ful but I have got it stopped by the present in the morning; let raise over night, pected, which will be reported to you stiff thanks have in Oklahoma and their mother.



THE HOME OF THE FIRST YEAR



A BRIGHT BOY WHO GOT THE CHANCE HE NEEDED.

tioned came through your paper; thus, Clarence is placed, also Arthur and

a nice change. This is my first visit
to the Ingle Nook. Wishing all a are then the following: Teddy, aged
Happy New Year.

10, a quiet, thoughtful nature, very exact in the execution of any work. He likes mechanical things, and tries to be precise in fulfilling his duties.

Archie, aged 7, also quiet behaving

fellow, a philosopher to judge by his brow, yet can be chatty and cheerful. His kindergarten teacher always 2-Mrs. G. F. Allan's, Fall delight in his pretty work.
Man. Equal quantities Indian Leslie, aged 2½, a chub Leslie, aged $2\frac{1}{2}$, a chubby, elever child, very quick at remembering a new word. Makes cute speeches and is

brown bright. is a good little housekeeper for her

sincerely,

Fanny I. Moffet.

The Western Wigwam

NEAR THE RAILROAD.

Dorothy:-This is the help you and I can give her. That have run out of the above I have usis what we have a page for and there ed ammoniated mercury ointment, and molasses, and a half teaspoon club. I came to Canada five years
is no limit to the nature of the help which comes at about five cents an soda, put in tins, let raise again and ago and like it fine. We have a skatthat is to be supplied except the limounce, or even vaseline. My hair was bake in slow oven. ing pond near our place and have lots of fun skating. The Grand Trunk MORE HOMELESS CHILDREN
FOR CHILDLESS HOMES.

Dear Friend,—In the name of the twelve years old. I would like to get Dear Dame Durden:—I have read ment use only what the scalp will ab- Saskatchewan Children's Aid society a button and enclose a stamped envelope. Sask. (a) Prairie Rose.

A BOOK REVIEW.
Dear Cousin Dorothy:—As I saw my letter in print I thought I would write again. Well, winter has come again and covered everything with snow and ice, but has brought with snow and ice, but has brought the pleasure of skating and coasting to boys and girls. I cannot skate but am learning. I suppose most of the other cousins skate. I am very fond of reading and have read more stories than I can remember. I have just finished reading several of the "Elsie" books, written by Martha Finlay. I think they are fine, and if the girls or boys either are thinking of getting books, I think they will not be disappointed in these.

Smut! Smut! Smut!

Prevented by Using Western Grain Pickler

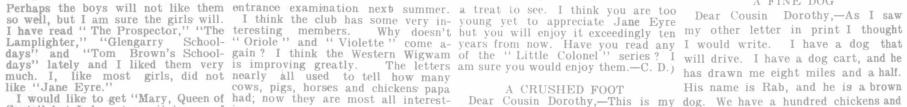
The handiest and most thorough working Pickler on the Market. Treats all grain equally well and uses either Bluestone or Formalin.

Saves Time, Labor and Solution. Every Grain immersed in the Solution. Very attractive Terms to dealers or sold direct to farmers at \$8.50 each F.O.B. Oak Lake, Man.

BRAZZIEL & CO.,

Oak Lake

Manitoba



slipped and crushed my foot. Hoping this will escape the waste-paper basket and wishing the club every success.

Sask. (a) Western Cowboy.

RAISE HEREFORDS

Dear Cousin Dorothy, -My father has taken "The Farmer's Advocate" for many years. I go to school every day, and I am in grade four. We have ten horses and about twenty We have ten horses and about twenty Hereford cattle. I have a pet kitten called Tom. We have four cats all together, and two dogs that we call Jeff and Rover. It is pretty cold here now, and Christmas will soon be here. We live three miles from La Riviere. It is surrounded with hills, and the Pembina River runs close to it. It is a very pretty little village. it. It is a very pretty little village in the summer. There are two churches and three elevators. As my letter is getting long, I will close.

Effie Clements. Man. (b)

NOT MANY THOUGHTS

Dear Cousin Dorothy,-I am writing a few lines to show that I read the letters. My father has taken the "Advocate" for ten years. We have two little colts, one is Goldie and the other Queen, and a calf named Billy. Well, that is all I can think of to-day.

Edgar J. Robinson. Man. (b)

A FINE DOG

much. I, like most girls, did not like "Jane Eyre."

I would like to get "Mary, Queen of Scots" but I do not see it in any of the book stores or advertised any place.

I go to school and am in the fifth grammar, English and Canadian History, geography, agriculture, book-tory, geography, agriculture, book-and arithmetic. I intend to try the meat writing and good spelling are specified and an arithmetic. I intend to try the specified and a specified and a specified and a specified and a specified and constant and arithmetic. I intend to try the specified and a specified to tell how many cows, pigs, horses and chickens papa had; now they are most all interesting and the is a brown Dear Cousin Dorothy,—This is my first letter to your club. My father is a subscriber to "The Farmer's as subscriber to "The Farmer's as subscriber to "The Farmer's button of your charming club. We wild rabbits, but they got away on button of your charming club. We wild rabbits, but they got away on button of your charming club. We wild rabbits, but they got away on button of your charming club. We wild rabbits, but they got away on button of your charming club. We wild rabbits, but they got away on button of your charming club. We are thirteen horses and one colt. I have tried to tame button of your charming club. We are tried to tame button of your charming club. We are tried to tame button of your charming club. We have a hundred chickens and first letter to your club. My father is a subscriber to "The Farmer's button of your charming club. We are tried to tame button of your charming club. We are tried to tame button of your charming club. We are three calves and one colt. I have tried to tame button of your charming club. We are three calves and one colt. I have tried to tame button of your charming club. We are three calves and one colt. I have tried to tame button of your charming club. We are three calves and one colt. I have tried to tame button of your charming club. We are three calves and one colt. I have tried to tame button

BOYS, STOP! LOOK! LISTEN!

Are the boy readers of the Farmer's Advocate getting a fair deal? It has seemed to the editor of the Home Journal department that the interests of the big boy were not received. ing as much attention as they merited. The Western Wigwam has always been open to all children and unless the very little children are to be crowded out there is not much opportunity to get in reading matter of thought suitable or to exchange Club, Farmer's Advocate, Winnipeg. Let us work all together and make the hammer and other tools. I should a "howling" success of the Boys' Club.—The Editor.

Paul I Hammer and the suitable or to exchange Club, Farmer's Advocate, Winnipeg. Let us work all together and make the hammer and other tools. I should a "howling" success of the Boys' Club.—The Editor. portunity to get in reading matter of particular interest to older boys. But the little peoples' privileges must not be infringed upon at any cost. So it has been decided to devote a space in every week's issue to the things that especially appeal to big boys.

For the present at least it will be too."

Too."

Paul J. Hammer.—"My favorite hobby is sports. I am fond of games of all kinds."

Gordon Ryan.—"I am in favor of a Boys' Club and will do all I can to build it up. My favorite amuse ments are skating in winter and base ball in summer."

For the present at least it will be too."

Club.—The Editor.

THE HORSE AND THE DOG AND how do they look to you?"

The horse and the dog had tamed a man and fastened him to a fence. Said the horse to the dog, "For the life of me, I don't see a bit of sense.

Said the horse to the dog, "For the life of me, I don't see a bit of sense.

Frank Barker.—"I would like to ball in summer."

Frank Barker.—"I would like to be a ball in summer."

The horse and the dog had tamed a man and fastened him to a fence. Said the horse to the dog, "For the life of me, I don't see a bit of sense.

And if you apply your knife to them

by have said they want to know: swers is very valuable.

Frank Mitchell.—"I like to read information about articles and how to who has enough good stuff in him to make them. I am interested in phobe interested in something beside

crets of successful hunting, trapping know how to do before He starts and fishing? I would like to know Homesteading. Tell some Interestic more about the caretaking of horses, how to break in colts and how to in before Coming to Canada.

handle balky horses."

Frank Smith.—"It would be a good idea to have the members give the plans for making any article they

Address all letters to Editor Pors'.

The Boys' Club

For the present at least it will be known as the Boys' Club.
Any boy between the ages of twelve and twenty years may become a member by taking some part in the discussions carried on.

There are hyperated at this source of the source and the club is started."

Dall in summer."

Frank Barker.—"I would like to see a page for boys with stories, puzzles and articles. I will help all I can. I will send a puzzle and directions how to make some things as soon as the club is started."

Sense In letting him have the thumbs that grow at the sides of his hands, do you?"

And the dog looked solemn and shook his head and said, "I'm a goat if I do."

Every boy who reads what these The poor man groaned and tried to There are hundreds of things that Every boy who reads what these boys between those years are interfew lads have said can think ested in and that they know a great of at least one other thing that they have said can think deal more about than people think bedid not mention. And he can think cause they do not get a chance to of half a dozen questions he tell what they know.

did not mention. And he can think cause they do not get a chance to of half a dozen questions he would like to ask. Remember a

tography and could send a photo-graph once in a while." something beside will keep his eyes open he will see some subject mentioned in graph once in a while."

Charlie Cooper.—"I would like to the club that he knows about and see letters from boys describing their likes and he can be unselfish enough

see letters from boys describing their hunting and fishing trips and about to tell the rest of us about it.

baseball and other games. My hobbies are rabbits and pigeons."

George Walker.—"Will some of the boys quoted above have mentionger of the boys that hunt tell some of the seboys that hunt tell some of the seboys that hunting transing transing transing transing transing tree and ne can be unselnsn enough to tell the rest of us about it.

Beside the interesting things that the boys quoted above have mentioned there such topics as: How did you of me!

Train your Dog? What a Boy should the seboys that hunting transing transing tree and ne can be unselnsn enough to tell the rest of us about it.

We'll have a hot iron to clap right on, as you did in your docking of me!

God gave you your thumbs and all, but it is the creater you know to do before He starts.

get loose, and sadly he begged them, "Stay!" You will rob me of things for which

I have use by cutting my thumbs tell what they know. Would like to ask. Remember a away
Here are a few things some of our question that draws out good an-You will spoil my looks, you will

cause me pain! Ah, why would you treat me so? I am, God made me, and He knows best! Oh, masters, pray let

The dog laughed out and the horse replied, "Oh, hurt! You see,

but still the Creator you know may fail do the artistic thing, as He

in furnishibg me with a tail!"

So they bound the man and cut off his thumbs, and were deaf to his

And they seared the stumps and they viewed their work through happy and dazzled eyes,

"How trim he appears," the horse exclaimed, "Since his awkward thumbs are gone!

For the life of me I cannot see why the Lord ever put them on!"

grow at the sides of his hands, "But you didn't disfigure me, you do you?" the dog decisively said, "When you bound me fast and trimmed my ears down close to the top of my head!"

So they let him moan and they let him groan while they cropped his

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And they praised his looks when they let him up, and proud indeed were

But that was years and years ago, in an unlightened age! Such things are ended now, you

know; we've reached a higher stage! The ears and thumbs God gave to

man are his to keep and wear, "Oh, the cutting won't And the cruel horse and dog look on and never appear to care

E. Kiser, in Chicago Record-Herald.

THE PASSENGER PIGEON.

Not many years ago the passenger pigeon was a very common bird, and did great flocks, comprising hundreds of thousands, were often observed during their periods of flight. Its range extended along Eastern North America, as far west as the Mississippi Valley, and northward to the Hudvaste-paper club every

unded 1866

t. Hoping

Cowboy.

ORDS -My father Advocate' to school rade four. out twenty pet kitten cats all it we call etty cold ll soon be

from La with hills, s close to tle village are two As my ll close.

lements.

TS am writ-at I read taken the is Goldie nd a calf all I can

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thought log that t, and he id a half. a brown kens and to tame way on g to our from us, e winter Smith.

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Record-

ssenger d, and ds of during ige ex-Amere Hudson's Bay. It nested in the northern water they come to the window and to its very existence in America.

The cause of the disappearance of they go uch useful, beautiful tender-voiced chicken. birds in the course of a single generation is not far to seek. They were thoughtlessly slaughtered by the thousands, in order to provide sport and food for a few days. It is stated by a trustworthy eye-witness that "pcople would come from all parts of the country with wagons, axes, beds, and cooking utensils, camping on the ground with their families for days, where they could plunder the nests or where they could plunder the nests or roosts of the vast army of passenger pigeons." Accordingly, the passenger pigeon has gone the way of the buffalo which existed once in countless numbers on the prairies of the West - awful examples of the work of destruction of people who had no thought of to-morrow.

An effort is now being made by persons interested in the preservation of such a fine bird, to save it from utter extinction, if there be any alive. At a recent meeting of the American Ornithologists' Union, the matter was brought up by Prof. C. F. Hodge, of Clark University, Worcester Mass. and as a result of the discussion that followed, Colonel Kuser offer d an award of \$300 for first information of a nesting pair of wild passen er pigeons undisturbed. Before this award will be paid, such information exclusive and confidential, must furnished as will enable a committee of expert ornithologists to visit the nest and confirm the finding. If the Continent.

All lovers of birds, it is felt, will join heartily in the plan proposed for the preservation of this ill-fated pig-In order, however, that a wideeffort to locate nesting pairs, there should also be local volunteer awards local awards. Teachers throughout have four broth rs and three sisters, Canada should call the attent on of and five of us go to school. Santa the boys and girls to the plan, and came to our pace and left us each a ask them to join in the search. The good share of things. first nest discovered will draw Colonel Kuser's award of \$300 and the local award as well. The first nest is likely to be found in Canada.

W. LOCHHEAD. Macdonald College, Que.

The Western Wigwam

ADDRESS WANTED.

Will "Heartbroken" please send her address to the Western Wigwam? have a letter here for her that she would like to have.-C. D.

FROM HOLLAND.

Dear Cousin Dorothy:-This is my first letter to your club and I should It is three and a half miles from our house to the school. I have a pony and her name is Flora. I have three brothers and two sisters. We came from Holland five years ago, and father has three-quarters of land. I hope my letter will escape the waste paper basket and I should like to get truth in tales. button. Wishing every success to the club and its members Alta. (b).

Henry Veldhuiser. CLEVER PIGEONS.

Dear Cousin Dorothy: - As my father is taking the paper I think I will write and get abutton. I have five ing a trace of your rival."

pigeons and think they are very nice.

"What, Chevalier, searched the Chapigeons and think they are very nice. Every, time they want a drink of teau of the Intendant?"

portions of its range. Now, however, flap their wings and wait at the it is so rare that there are doubts as well until you come out with the water. When they get all they want they go away. I have also a white

Alta. (a). Flower Girl.

GOOD TO ME TOO.

Dear Cousin Dorothy:- I think I will sit down and write a few lines to you and the wigs. I am keeping Leuse for father and brother this winter, as

How many of the wigs like to read? I am a regular book-worm. I like M J. Holme's books and also Louisa M. Alcott's. "English Orphans" is a fine book written by M. J. Holm's. I am 14 years old and would like to correspond with "Cowgirl Est.lle" Alberta if you would give me her address, please

Sask. (a). Brown Eyes.

DEATH OF A RABBIT. Dear Cousin Dorothy:-This is the first letter I have written to the Western Wigwam. I am going to tell you about a rabbit we caught in a trap and I took it home. It cried all the way. We put it in the barn and my brother let it go. I caught it again and took it to the house and the cat killed it.

Sask. (b). Willie Oxford.

THE CHRISTMAS CONCERT.

Dear Cousin Dorothy:-You must object of this generous award is to induce a search for nesting passenger pigeons throughout the length and breadth of Canada and the United States; and when they are found, to organize adeq ate protective work through legislation and the united that work is a search for nesting passenger was concert that we had up at our school. We had it on the 23rd of December. We took about a month preparing for it. The about a month through legislation and the united through leg ice, so that the birds may be permit- all enjoyed it and went home quite ted to feed in absolute safety, and be merry. Our teacher said we did well. accorded the freedom of the American The next day she gave us some candy and nuts and some oranges.

Sask. (a). T. R. Y.

GENEROUS SANTA CLAUS. Dear Cousin Dorothy:-We just spread interest may be aroused in the moved out here last spring from Guelph, Ont. We have a section of should also be local volunteer awards land nine miles north of Brandon. for the first undisturbed nest in each Province. And a call is here made to of it is Rugby school. I am eight our liberal minded citizens for such years old, I am in grade four. I local awards. Teachers throughout have four broth rs and three sisters,

Joe Bowman. Man. (b).

The Golden Dog

By WILLIAM KIRBY, F.R.S.C. Copyright L. C. PAGE Co., Incorpd

CHAPTER XLVII.-Continued.

But Bigot minded not the implied threat. He was immovable in the direction she wished him to move. He understood her allusion, but would not appear to understand it, lest worse than she meant should come of it.

"Forgive me, Angelique!" said he, with a sudden change from frigidity to fondness. "I am not unmindful of my promises; there is nothing better to myself than to keep them, nothing worse like to join it. I am thirteen years than to break them. Beaumanoir is of age and go to school every day, now without reproach, and you can visit it without fear of aught but the ghosts in the gallery.'

Angelique feared no ghosts, but she did fear that the Intendant's words implied a suggestion of one which might haunt it for the future, if there were any

"How can you warrant that, Bigot?" asked she dubiously.

Corne St. Luc have been with the ly. King's warrant and searched the Chateau from crypt to attic, without find-

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> 'There's the fat of other lands in Steele Briggs' Seeds, There's the best stock of the home-land as well.

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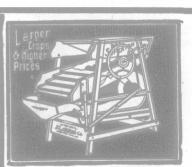
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In strength, delicacy of flavour, nutritiousness and economy in use "Epps's" is unsurpassed.



HAVEYOU SEEN THE IMPROVED

1910 MODEL W TH ITS

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f Not, You Shoud.

It is the simplest and most thorough device for handling wild oats on the market. It is the fastest cleaner made.

The New Superior is the King of Wild Oat Separators, because it cleans the mall out thoroughly, fast and easy, no complicated sieves as in other machines made for this purpose. It will clean and separate any kind of grain grown. The New Superior has large screening capacity, large hopper, automatic feed. The New Superior is built strong and low down, making it handy and easy to operate.

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THE HARMER IMPLEMENT COMPANY, LTD,

WINNIPEG, MAN. 132 POINCESS STR ET

"Par bleu! yes, I insisted upon their doing so; not, however, till they had Angelique. I have no secret to tell regone through the Castle of St. Louis. specting her. She has gone, I cannot They apologized to me for finding tell whither.' nothing. What did they expect to Angelique gave him her hand on the find, think you?"

fan, "if they would send a commission of And yet they must, circumstanced as could not remain hid."

secret of her.'

"Well, Bigot, I would never betray "Because Pierre Philibert and La it, if I knew it," answered she, prompt- gay regret at leaving the company of

"You swear to that, Angelique?" asked he, looking full in her eyes, which out of his horse's mane if he waited did not flinch under his gaze.

"Yes; on my book of hours, as you did!" said she.

"Well, there is my hand upon it

lie. She knew he was playing with her, "The lady, to be sure! Oh, Bigot," as she with him, a game of mutual decontinued she, tapping him with her ception, which both knew to be such. women to search for her, the secret they were, play it out to the end, which end, she hoped, would be her marriage "No, truly, Angelique! If you were with this arch-deceiver. A breach of on such a commission to search for the their alliance was as dangerous as it would be unprofitable to both.

Bigot rose to depart with an air of Angelique to make room for De Pean, "who," he said, "would pull every hair much longer."

"Your visit is no pleasure to you, Bigot." she, said looking hard at him.

'You are discontented with me, and would rather go than stay!"

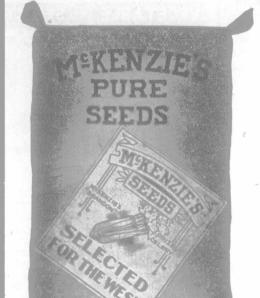
"Well, Angelique, I am a dissatisfied man to-day. The mysterious disappearance of that girl from Beaumanoir is the cause of my discontent. The defiant boldness of the Bourgeois Philibert is another. I have heard to-day that the Bourgeois has chartered every ship that is to sail to France during the remainder of the autumn. These things are provoking enough, but they drive me for consolation to you. But for you I should shut myself up in Beaumanoir, and let every thing go helterskelter to the devil."

"You only flatter me and do not mean it!" said she, as he took her hand with an over-empressement as perceptible to her as was his occasional cold-

"By all the saints! I mean it," said he. But he did not deceive her. His professions were not all true, but how far they were true was a question that again and again tormented her, and set her bosom palpitating as he left her room with his usual courteous salute.

"He suspects me! He more than suspects me!" said she to herself as Bigot passed out of the mansion and mounted his horse to ride off. "He would speak out plainer if he dared avow that that woman was in truth the missing Caroline de St. Castin!" thought she with savage bitterness.

"I have a bit in your mouth there, Francois Bigot, that will forever hold you in check. That missing demoiselle, no one knows as you do where she is. I would give away every jewel I own to



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Small orchard tracts of similar character for sale on easy payments. Send for our free illustrated booklet.

WESTERN CANADA INVESTMENT CO.

P. O. DRAWER 1042 NELSON, B. C. know what you did with the prett piece of mortality left on your hands b La Corriveau."

Thus soliloquized Angelique for a few moments, looking gloomy and beautiful as Medea, when the step of De Pean sounded up the broad stair.

With a sudden transformation, as if touched by a magic wand, Angelique sprang forward, all smiles and fascinations to greet his entrance.

The Chevalier de Pean had long made distant and timid pretensions to her favor, but he had been overborne by a dozen rivals. He was incapable of love in any honest sense; but he had immense vanity. He had been barely noticed among the crowd of Angelique' admirers. "He was only food for powder." she had laughingly remarked upon one occasion, when a duel on her account seemed to be impending between De Pean and the young Captain de Tours; and beyond doubt Angelique would have been far prouder of him shot for her sake in a duel than she was of his living attentions.

She was not sorry, however, that he came in to-day after the departure of the Intendant. It kept her from her own thoughts, which were bitter enough when alone. Moreover, she never tired of any amount of homage and admiration, come from what quarter it would.

De Pean stayed long with Angelique. How far he opened the details of the plot to create a riot in the market-place that afternoon can only be conjectured by the fact of her agreeing to ride out at the hour designated, which she warmly consented to do as soon as De Pean informed her that Le Gardeur would be there and might be expected to have a hand in the tumult raised against the Golden Dog. The conference over, Angelique speedily dismissed De Pean. She was in no mood for flirtation with him. Her mind was taken up with the possibility of danger to Le Gardeur in this plot, which she saw clearly was the work of others, and not of himself, although he was expected to be a chief actor in it.

\$10 Cash \(\frac{1}{2} \) \$8 Monthly

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CHAPTER XLVIII.

'IN GOLD CLASPS LOCKS IN THE GOLDEN STORY"

Love is like a bright river when it springs from the fresh fountains of the heart. It flows on between fair and ever widening banks until it reaches the ocean of eternity and happiness.

The days illuminated with the brightest sunshine are those which smile over the heads of a loving pair who have found each other, and with tender confessions and mutual avowals plighted their troth and prepared their little bark for sailing together down the

changeful stream of time. So it had been through the long Indian ner days with Pierre Philibert and Since the Amelie de Repentigny. blessed hour they plighted their troth in the evening twilight upon the shore of the little lake of Tilly, they had showed to each other, in the heart's confessional, the treasures of true human affection, holy in the eyes of God and

When Amelie gave her love to Pierre, she gave it utterly and without a scruple of reservation. It was so easy to love Pierre, so impossible not to love him; nay, she remembered not the time it was otherwise, or when he had not been first and last in her secret thoughts as he was now in her chaste confessions, although whispered so low that her approving angel hardly caught the sound as it passed into the ear of Pierre Philibert.

A warm, soft wind blew gently down the little valley of the Lairet, which wound and rippled over its glossy brown pebbles, murmuring a quiet song down in its hollow bed. Tufts of spiry grass clung to its steep banks, and a few wild ith the prett your hands b

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III.

The Foundation of Your Success Content and Happiness, Must Be Your Health

IT is for you to decide how important shall be the ailments which are bound to come. Most of these are little at first and easily cured. If they last, though, or keep coming—they will rob you of your strength and make you liable to become easy victims of the disease germs always ready to attack.

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A NYWAY you can't work well, or make good money, or be happy if your health isn't all right. Nobody sick or weak can win life's battles or enjoy life's pleasures. And complaining people lose their friends. Don't suffer. Don't complain. Seek help. Get well and keep well.

BEECHAM'S Pills are world-famous, vegetable—composed of nature's own curative remedies. In a perfectly natural way they help you to strength for your work and natural pleasures—the strength you need to resist the coming of serious, costly illness. They help you to health—health the sure foundation of success, content and happiness.

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flowers peeped out among the nooks among the sere fallen leaves that lay upon the still green sward on each shore of the little rivulet.

Pierre and Amelie had been tempted by the beauty of the Indian summer to dismount and send their horses forward to the city in charge of a servant while they walked home by way of the fields to gather the last flowers of autumn, which Amelie said lingered longest in the deep swales of the Lairet.

A walk in the golden sunshine with Amelie alone amid the quiet fields free to speak of his love, and she to hear him and be glad, was a pleasure Pierre had dreamt of but never enjoyed since the blessed night when they plighted their troth to each other by the lake of Tilly.

The betrothal of Pierre and Amelie had been accepted by their friends on both sides as a most fitting and desirable match, but the manners of the age with respect to the unmarried did not admit of that freedom in society which prevails at the present day.

They had seldom met save in the presence of others, and accept for a few chance but blissful moments, Pierre had not been favored with the company all to himself of his betrothed.

Amelie was not unmindful of that when she gave a willing consent to day to walk with him along the banks of the Lairet, under the shady elms, birches, and old thorns that overhung the path by the little stream.

by the little stream.

"Pierre," said she smiling, "our horses are gone and I must now walk home with you, right or wrong. My old mistress in the Convent would shake her head if she heard of it, but I care not who blames me to-day, if you do not, Pierre!"

"Who can blame you, darling? What you do is ever wisest and best in my eyes, except one thing, which I will confess now that you are my own, I cannot account for—"

"I had hoped, Pierre, there was no exception to your admiration; you are taking off my angel's wings already, and leaving me a mere woman!" replied she merrily.

"It is a woman I want you to be, darling, a woman not faultless, but human as myself, a wife to hold to me and love me despite my faults, not an angel too bright and too perfect to be my other self."

"Dear Pierre," said she, pressing his arm, "I will be that woman to you, full enough of faults to satisfy you. An angel I am not and cannot be, nor wish to be until we go together to the spiritland. I am so glad I have a fault for which you can blame me, if it makes you love me better. Indeed I own to many, but what is that one fault, Pierre, which you cannot account for?"

"That you should have taken a rough soldier like me, Amelie! That one so fair and perfect in all the graces of Ogilvie's
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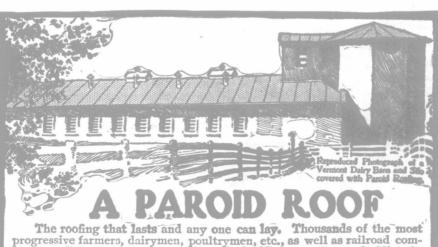
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womanhood, with the world to choose from, should have permitted Pierre Philibert to win her loving heart of hearts."

Amelie looked at him with a fond expression of reproach. "Does that surprise you, Pierre? You rough soldier, you little know, and I will not tell you, the way to a woman's heart; but for one blindfolded by so much diffidence to his own merits, you have found the way very easily! Was it for loving you that you blamed me? What if I should recall the fault?" added she, laughing.

Pierre raised her hand to his lips, kissing devotedly the ring he had placed upon her finger. "I have no fear of that, Amelie! The wonder to me is that you could think me worthy of the priceless trust of your happiness.

"And the wonder to me," replied she, "is that your dear heart ever burdened itself with my happiness. I am weak in myself, and only strong in my resolution to be all a loving wife should be to you, My Pierre! You wonder how you gained my love? Shall I tell you? You never gained it; it was always yours, before you formed a thought to win it! You are now my betrothed, Pierre Philibert, soon to be my husband; I would not exchange my fortune to become the proudest queen that ever sat on the throne of France."

The half-stolen delight of walking by the side of Pierre Philibert was enhanced by the hope that the fatal spell that bound Le Gardeur to the Palace had been broken and he would yet return home a new man.

Le Gardeur had only yesterday, in a moment of recollection of himself and of his sister, addressed a note to Amelie, asking pardon for his recent neglect of home, and promising to come and see them on St. Martin's day.

He had heard of her betrothal to Pierre. It was the gladest news, he said, that had ever come to him in his life. He sent a brother's blessing upon them both, and claimed the privilege of giving away her hand to the noblest man in New France, Pierre Philibert.

Amelie showed the precious note to Pierre. It only needed that to complete their happiness for the day. The one cloud that had overshadowed their joy in their approaching nuptials was passing away, and Amelie was prouder in the anticipation that Le Gardeur, restored to himself, sober, and in his right mind, was to be present at her wedding and give her away, than if the whole Court of France, with thousands of admiring spectators, were to pay her royal honors.

They sauntered on towards a turn of the stream where a little pool lay embayed like a smooth mirror reflecting the grassy bank. Amelie sat down under a tree while Pierre crossed over the brook to gather on the opposite side

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some flowers which had caught her eye. "Tell me which, Amelie!" exclaimed he, "for they are all yours; you are Flora's heiress, with right to enter into possession of her whole kingdom!"

"The water-lilies, Pierre, those, and those, and those; they are to deck the shrine of Notre Dame des Victoires. Aunt has a vow there, and to-morrow it must be paid; I too.'

He looked up at her with eyes of admiration. "A vow! Let me share in its payment, Amelie," said he.

'You may, but you shall not ask me what it is. There now, do not wet yourself further! You have gathered more lilies than we can carry home."

"But I have my own thank-offering to make to Notre Dame des Victoires for I think I love God even better for your sake, Amelie.'

"Fie, Pierre, say not that! and yet I know what you mean. I ought to reprove you, but for your penance you shall gathe. more lilies, for I tear you need many prayers and offerings to expiate,—" she hesitated to finish the sentence.

"My idolatry, Amelie," said he, completing her meaning.

"I doubt it is little better, Pierre, if you love me as you say. But you shall join in my offering, and that will do for both. Please pull that one bunch of lilies and no more, or Our Lady of Victory will judge you harder than I

Pierre stepped from stone to stone over the gentle brook, gathering the golden lilies, while Amelie clasped her hands and silently thanked God for this ards for sale. Churches, schools and happy hour of her life.

(To be continued next week.)

ALBERTA FARMERS' ASSOCIATION

(Continued from page 161)

AGRICULTURAL COLLEGE QUESTION.

The location of the agricultural college has been a question of great concern to the farmers of Alberta. It, therefore created much interest when it came before the convention. When addressing the convention at the initial session Premier Rutherford alluded to the agricultural college, stating that it was already decided that the college would be located at Strathcona and in connection with the university. However, he thought that agricultural education should not all be given within the walls of a college, and that it was the government's purpose to institute short courses for the education of the farmer. It was also their purpose to encourage agricultural education in public schools and he, too, was of the opinion that there should be agricultural high schools as found in Ontario and the United

Dr. Tory made himself known to leave to make an appeal to present his arguments. He went into detail as to the advantages of affiliation with the university, claiming that the science of agriculture always had a definite appeal to him.

W. J. Tregillus, of Calgary, backed up the resolution calling for agricultural college being so situated that it will admit of the education of students in all methods of farming that are of most vital importance to the prosperity of the province

E. Mitchener, M. P. P., Red Deer, introduced an amendment to the resolution to the effect that the entire matter of the agricultural college be referred to the executive committee to take up further with the local gov-

Prof. Elliott, recently of the University of Montana, and now of Strathmore, Alberta, gave it as his opinion that the agricultural college should be connected with some experimental farm

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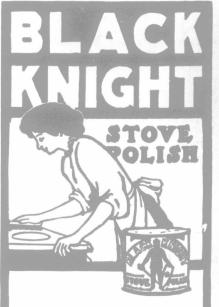
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the farmers of Alberta one way or the other, as he did not know all the local conditions, but according to all his experiences in the United States and elsewhere, it was better to have the agricultural college and the university separate. The amendment to leave further action in the hands of of the executive passed the convention.

CONSOLIDATION OF RURAL SCHOOLS. The resolution calling for consolidation of rural schools was as follows:

Resolved that in the opinion of this convention children of farmers are entitled to education without cost, and whereas the present rural school system does not provide this for several reasons: First, because on account of many classes and only one teacher, scholars, and particularly the younger ones, must be neglected for a large part of the time; and, second, because older pupils have to attend town schools to obtain an education worthy of the name, thereby making it hard and in many cases impossible for farmers to provide that education. We hereby urge upon the government the need of exacting the necessary legislation to make provision for a system of consolidated schools, as successfully operated in other parts of Canada and the United States.

OTHER RESOLUTIONS

A resolution was passed asking the board of directors to confer with the government regarding the difficulty in securing farm labor during the harvest

in the matter of exorbitant rates of interest charged on loans by banking R. W. McClure institutions was passed.

A resolution asking for amendments to the weed ordinance, making it more workable, was carried.

A resolution asking for amendments to the statutes to allow local improvement districts to spend \$150 instead of \$75 for gopher poison was adopted. A resolution calling for a reduction

of the duty charged on all classes of wire passed unanimously.

The provincial government will also be asked by the association to go into the loaning business to procure money stock in the Winnipeg district. Any if possible at 3½ per cent. on the credit other concern offering a general line of of the province, and to loan it out to nursery stock is handling imported farmers at 5 per cent. The resolution stock. Buy only genuine home-grown proposing this was introduced by large majority.

> When the convention terminated it was generally conceded that it was by far the most important convention ever held by farmers in Alberta. The need of better organization work was generally felt and it is intended that much- organizing will be done this coming year. A recommendation was made that W. J. Tregillus, vice president be organizer for the district south of Red Deer.

> > OFFICERS ELECTED.

The officers elected for the ensuing year are as follows: President, Jas. Bower, Red Deer; vice-president, W. J. Tregillus, Calgary; directors, James Speakman, Innisfail; L. H. Jellett, Spring Coulee; D. W. Warner, Clover Bar; district representatives, Victoria constituency, F. H. Ballaam, Vegre-Application for trees for planting in 1911 ville; Edmonton, Geo. S. Long, Namayo; will be received until MARCH 1st, 1910. Strathcona constituency, F. Langston, Rosenroll; Red Deer constituency, E. Carswell, Red Deer; Macleod constituency, J. Quinsey, Macleod; Medicine Hat, E. N. Grisbach, Gleichen.

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STRAYED last May from Sec. 10 T. 19, R. 3, W 2nd M, 1 grey horse branded M.C.L. on left side, 1 Bay mare, white mark on face, black mane and tail; 1 iron grey mare, black mane and tail. Information gladly received by O.S. Cameron, Stockholm, Sask.

wanted—Reliable married man to work by the year on grain and stock farm near Edmon-ton. Must give references and board other men. E. C. McLaughlin, 483 12th St., Ed-

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A little Scotch boy on being rescued by a bystander from the dock into which he had fallen expressed heartfelt gratitude, saying: "I'm so glad you got me out. What a lickin' wad have frae my mither if I had been drooned!"



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TAKING U.S. CENSUS

The American Census Bureau are planning to make the farm census, which begins April 15 next, the most comprehensive compilation of data and information on the condition and standing of agriculture that has ever been of and returns from each department of their business. A list of the questions the enumerators will put is being published broadcast, and farmers are asked to prepare written records or memoranda, by means of which the work will cover chiefly the operation of the farm during 1909 with data regarding equipment up to April 15, 1910. It is aimed to complete the census in thirty

When the returns of the census takers are compiled it is expected that more will be known about agriculture in the United States than has ever been known from any census made before. The value of the farms, buildings, equipment and live-stock will be gone completely into. Farmers will be asked to estimate as accurately as they can the returns from each branch of their work in 1909, together with the amounts spent for labor, house rent fodder and produce, fertilizers, sales of live-stock, prices received, etc.

The enumeration must be completed within thirty days. The enumerators are held responsible for the general accuracy of the schedules carried by them, and they are required to give farmers such time as may be necessary to answer fully and accurately each question asked.

MAPLEINE PUMPKIN PIE

Four eggs, one cup of granulated sugar, one cup of milk, one teaspoonful of butter, one teaspoonful cornstarch, pinch of salt, one pint of stewed and strained pumpkin, one teaspoonful of ginger, nutmeg or cinnamon if desired,

and one-half teaspoonful Mapleine. Use regular pie crust and bake in Mapleine is the new flavoring, better than maple. It is sold by grocers everywhere, 50c. per bottle. If not, send 50c. in stamps to the Crescent Mfg. Co., Seattle, Wash., for a 2-oz.

bottle and recipe book.

Questions & Answers

Questions of general interest to farmers are answered through our columns without charge to bona-fide subscribers. Details must be clearly stated as briefly as possible, only one side of the paper being written on. Full name and address of the enquirer must accompany each query as an evidence of good faith but not necessarily for publication. When a reply is required by mail one dollar (\$1.00) must be enclosed.

MAPLE SYRUP MOLDY

How can I remove the moldy flavor from maple syrup? SUBSCRIBER.

Ans.—The only method known to us for removing the musty flavor is to carefully skim off any scum that has risen, then boil up the syrup, skimming until it is quite clear.

WINTERING DUCKS

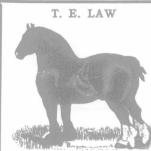
What is the best method of feeding and housing ducks in winter? What is the best temperature to have the house at to keep them in good health? How about watering them?

Sask.

J. A. H.

Ans. - Ducks will do well on the grains ordinarily fed to poultry, such as wheat, barley and oats : with green feed or cooked vegetables occasionally. The feeding is not difficult. They thrive on anything a hen will live on, and being more healthy by nature are not subject to so many ailments. Ducks consume large quantities of coarse bulky food, and for the sake of economy in feeding it is good practice to give them a meal of grain in the morning and evening, with plenty of bulky food such as chopped clover, boiled potatoes or turnips or mangels boiled and mashed. attempted by a government. Farmers are being urged to be in a position to furnish the enumerators with complete and accurate information of the extent er, when it is impossible to have it so. Water may then be given in a pen or trough two or three times a day. The house does not need to be warm but it should be dry. As good a way as any of taking the census can be most if one has a good sized hen house is to speedily carried out. The information partition off one end of it for a duck house. If the henhouse is not built too warmly the duck room will be suffiently ventilated and straw on the floor does for them to sit on.





J. T. SCOTT

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And in Summer, when the Wire expands, that surplus returns to the Frost coils, instead of sagging and causing the Fence to lose its

And no matter how often contraction or expansion is caused, the Frost Fence always acts the same, like a Spring.

Merely Excuses

Lots of other Wire Fences have a Tension, Curve or Kink, as an excuse for "Give" and "Take." But the number of these "gives" and "takes" is limited. They cannot keep it up. It isn't in the Wire or the method to do

Both the Frost Field-Brected and the Frost Woven Fence have extra provisions for "Give" and "Take." But no others have it. You simply cannot find another Fence which will retain its shape like the Frost.

Please remember that when buying Fence!

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We are the only Fence Makers in Canada ho Make and Galvanize Wire exclusively for Fence purposes.

Wire, to give satisfactory service in Canada, should be made especially to fight off the peculiar Canadian climate, which simply knocks the very life out of most Fences. But all Wire is not made with Canadian conditions in the control of the cont tions in view.

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The new Frost Wire is Annealed so scientifically that it possesses the proper temper for Canadian conditions.

Every inch is of uniform temper, and stronger than any other No. 9 Wire. It will not snap, regardless of the peculiar Canadian weather variations.

About 75 per cent. of Wire Fences rust 12 or 15 years sooner than they should. is is because they Galvanized too

When Frost Wire goes through its Double Galvanizing process, the Galvan-izing not only "coats" it but goes deep into it, becom-ing a part of the Wire itself.

Frost Galvanizing is doubly thick, yet it

This gives the Frost Fence a life of about to to 15 years longer than most Fences. No peculiar climate can rust the new Frost

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Questions & Answers

VETERINARY

WERGINARY

Benquiries dealing with matters of a veterinary nature are answered through our columns by a competent veterinarian free of charge to bonafide subscribers. Details and symptoms must be fully and clearly stated on only one side of the paper. Full name and address of the writer must accompany each query, as a guarantee of good faith but not necessarily for publication. When a reply is required by mail one dollar (\$1.00) must be enclosed.

SWELLING UNDER BELLY

I have a pony mare, 9 years old, that ran on the range all summer with a colt. I brought her up late this fall. About one month ago I weaned the colt. She swelled under her belly the full length and width, a hard swelling. She is all dried up and has been for two weeks. I stable her at night and turn out in day time. I feed her a bundle of oats night and morning. She seems to feel all right and eats well. I see nothing wrong but the swelling. She will foal again in April. T. J. foal again in April.

Ans. - The swelling is likely to persist until after she foals. About all you can do is to keep her well exercised, and rub it well with the hand when you can. Should the belly become very pendulous, it would be advisable to make a canvas belt for her, make it to extend the full length of the belly and buckle it along the back, with straps and buckles sewn on the canvas support. As the belly enlarges as pregnancy advances, the straps can be let out a hole or so, as the needs of the case demand. This belt is a good abdominal support, and takes off considerable weight from the abdominal muscles.

contracted a kind of skin disease which seems to break out around the eyes. The hair comes off and the skin peals off, giving it a white appearance and it is very hard. What is wrong and what can I do for it?

SUBSCRIBER.

Ans. — We are of the opinion that your young stock are affected with ringworm. It affects the hair and epidermic layer of the skin, it is highly contagious, being readily transmitted from one animal to another. It is due to a vegetable fungus or parasite. The treatment consists of washing the parts well with soap and water to remove all crusts, then apply once a day tincture of iodine with a brush, or smear once daily nitrate of mercury ointment. Whitewash the stable as soon as the frost is out. This will destroy the sporas, and prevent further infection.

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The practice of the veterinary profession in Manitoba by any other parson is direct contravention the statute and renders him liable to presecution FREDERICE TORRANCE, Registrar.

CARPITIS, INFLAMMATION OF KNEE

A heavy Shire mare 11 years old, went suddenly lame when running in the field about three weeks ago. The trouble is in her left knee. It is swollen and very hard. We tried a bran poultice, but it didn't do any good. We have now blistered with caustic balsam. She stands with her foot well under her, the knee bowed slightly. She has favored that leg all summer a little when turning, but I couldn't tell just where the seat of the trouble was. She was driven quite hard on the grain wagon last fall and came home lame in the left ankle. I put a strong blister on it and turned her out and she was all right till the present trouble set in. C. B.

Ans. — Carpitis — inflammation of the knee joint - is a serious condition. There is frequently an alteration of structure, resulting from the inflammatory action, affecting one or more of the various tissues entering into the formation of the knee joint, which cause it to become more or less stiff. The immobility is often permanent and renders the horse useless for anything but slow work. The treatment for some time after the accident should be of such a nature as not to increase the inflammation, such as fomentations of warm water in cold weather, or cold water applied with a sponge in warm weather. It is a mistake to apply irritants — medicines that blister — unti all inflammation has subsided. In this case at this stage of the trouble, we advise gentle exercise several times a day, together with cautious massage of the joints. This may be done by more or less forcibly flexing and extending the limb at the knee. For instance, lift up the foot, take it backward and try to make the heel touch the point of the elbow then take the leg forward. Repeat this backward and forward movement many times during the day for about two minutes at a time, then walk her about for ten minutes. It may be necessary to apply a blister if this treatment proves of no avail, although blistering frequently fails to bring about satisfactory results in these

INTESTINAL WORMS

I lost a filly foal under the following circumstances: Two months ago, noticing she exhibited marked symptoms of worms, white mucus around anus, rough coat, pot belly, etc., I commenced giving her small doses, averaging one-half teaspoon sulphate of iron twice a day in food. She did not improve and got to standing around "moping." I then put her in the stable and give her I teaspoon turpentine in 4 oz. linseed oil on two successive mornings. This caused her to wrinate frequently, but she had become constipated by this time and although I

RANDON

nmation of us condition. alteration of the inflamone or more ring into the joint, which or less stiff. permanent less for anyne treatment cident should t to increase fomentations ther, or cold ige in warm o apply irri-1 ister - unti led. In this trouble, we eral times a ous massage be done by ing and exknee. For ake it backeel touch the

take the leg ckward and imes during tes at a time, en minutes. ply a blister of no avail, itly fails to ults in these

RMS he following onths ago, rked symp icus around lly, etc., I mall doses, on sulphate She did not ing around n the stable irpentine in successive · to wrinate ome consti-

although I

injected a quart of tepid water and soap she failed to pass anything. However, in her death struggles she passed her fæces which were darker than usual, but not hard. I dissected her and found her stomach full of pin worms and her intestines crowded with the long white worms up to 1 foot in length. Where did I fail in my treatment Are the pin worm and long white round worm the same? Is there any danger in an overdose of sulphate of iron or turpentine? What is the maximum dose for a well grown heavy draft colt of six months? Would an injection of quassia chips or tansy tea reach the worms in the intestines and stomach?

L. W. T.

February 2, 1910

Ans. - Nematoids is the name of the family of round worm which infest various parts of the body, stomach and intestines. There are many divisions and sub-divisions of the family, each having its own peculiar location in the body of its host. The genus ascaris is the branch which infest the stomach and intestines. The pin worm oxyuris is another branch or genus. It infests the rear bowel and floating colon. Yes, there is danger in long continued use and overdose of either sulphate of iron, or turpentine. The iron may derange the digestive system, and even set up inflammation in any part of it. So also may turpentine cause inflammation of any of these organs, but especially the kidneys and bladder. The maximum dose of turpentine for a six months old colt would be a tablespoonful - one-half fluid ounce. Injections of quassia, salt solution or any other non irritating bitter will, when injected into the rectum and floating colon, kill and bring away worms— pin worms. But injections do not reach the stomach when administered per rectum, as the distance between the rectum and the stomach is approximately one hundred feet. From the above you will learn

wherein you failed in your treatment

DISEASED TISSUE

Am sending a growth of some kind found on the breast of a hen. I would like to know what you call it and would it be advisable to cook the

Ans.—We have examined the specimen of diseased tissue taken from a chicken, and find it either to be an old abscess wall, or a cyst. If all the diseased tissue is carefully removed the remaining portion—if in good condition—may be used, but as a chicken is of so little value, we would advise you to destroy it, and so a-void all the possible bad results, which are liable to follow the consumption of unsound food.

RAILWAYS OF CANADA

The mileage of railways in actual operation in Canada during the year 1909 was increased by 1,138 miles as compared with an increase of 514 miles in 1908. There are 24,104 miles now in operation in Canada which exceeds the mileage of Great Britain and Ireland, which is 23,064

Railway capital in Canada now amounts to \$1,300,681,416 of which \$647,734,647 is stocks and \$660,946,769 is funded debt, a total increase of \$69,186,403. Passengers to the number of ber of 33,683,309 were carried last year as against 44,044,092 in 1908. Thus while the railways had an increased passenger train mileage in injured of 943. 1909 ever 1908, they carried fewer pessengers and earned less from ticket sales. The passenger revenue was show a decrease of 370, but there is



That crop is poultry—the crop that knows no "bad years. You can raise that crop on your farm, no matter whereabouts in Canada it is. You can raise for try successfully, make money doing it, and be sure of a good market for all you do raise. You need make no heavy investment to start at it; you need no elaborate equipment; you c'on't have to give up a big slice of your land to porltry-rairing, even if you go into it on a pretty big scale. Nor is it hard work to

make a go of poultry farming,-not anything like the work it takes most everywhere to make even a pittance out of crdinary farming. Poultry-raising, nowadays, with The Peerless Way to follow and the certainty it provides for you, is actually a business that you owe it to yourself to get into, and to get into right away. Consider the matter carefully. Read every word of what follows, and act upon its

This Is How You Can Make Your Farm Pay Better

First of all, sit down now and drop us a post card with your name and address on it. That will bring you a beek you ought to read. It tells you the real true, about poultry-raising. This book explains just why The Peerless Incubator, The Peerless Brooder, and The Peerless Way make a combination that puts success within anybody's reach makes success practically certain, failure practically impossible.

Very Little Money Will Start You Right

Don't imagine for a moment that you reed a great deal of cash to start after the profit there is in jeultry. (... ir ertant feature of The Peerless Way is lew easy it i make fir our friends to go into the husiness with lut very line ready money. And don't imagine, either, you need be cryting of an expert to succeed with perfery. Notice and common-sense, added to a fair degree of diligence and effect, equips you thoroughly to make more y poultry-raising, and to make it quick. Get the cold facts.

You Get, Free, The Advice And Aid of Experts

Another very important thing alout The Peerless Way is that our interest in your success cocsn't lapse when your

Peerless Outfit is shipped. If one Peerless customer should fail at poultry-raising because we did not do all we should have done to help him, we would feel disgraced. So we try to see to it that no Peerless treer fails. Our Board of Experts gives adv counsel, detailed instructions, t Peerless user who wants them. And the advice is so plain, so explicit, that a child could not misunderstand it.

We Trust You Willing!y

When it is not just convenient for our customers to start on a cash-down basis, we willingly arrange such long credit terms that the Peerless equipment pays for itself—earns its whole cost long before the last payment is due. WRITE US TO-DAY FOR FULL DETAILS.

The Peerless Incubator is so designed, so constructed, from practical experience, with precise knowledge of the climatic conditions of every section of Canada, that it will positively hatch perfectly in any part of the country. When you get that book we ask you to send for, you will read letters in it from every province of the Dominion,—letters from people who have done with the Peerless what they could not have done with any other incubator built.

We Find a Buyer For Your Product

Here is another valuable service you get when you follow The Peerless Way:—We guarantee to find a buyer for all the fowl or eggs you want to sell-a buyer who pays spot cash, pays the highest market prices, and charges no commission whatever. Poultry prices, and prices for eggs—as you would know if you lived in a city—have been climbing steadily year after year.

Best Paying Business For You

For the work involved and the money required, roultry-raising, The Peerless Way, is the best business there is. It has possibilities big enough to interest a capitalist; and yet a schoolboy of average intelligence can succeed at it,

make money at it, prosper in it, yet start with but a few dollars. There is not a farm in Canada on which poultry cannot be raised for profit; there is not a farm on which poultry will not pay better than any other crop. You simply cannot find a better investment for part of your time or for all of it.

FREE BIG VALUABLE POULTRY BOOK

You have read enough here to convince you, probably, that there really is something worth while in poultry-raising The Peerless Way. Now send for the FREE book that tells the whole story—that clinches the whole argument—that gives facts and figures and proofs-things you want to know, and ought to learn of right NOW. Make a start this very day. Send for the book. Address:

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killed and a decrease of the number were killed during 1909 by electric given about outbreak of foot and mouth

The total mileage of electric rail-

railways and 2,139 injured.

INSPECTION AND QUARANTINE

disease that occurred in the fall of 1908.

The report says that the outbreak of foot and mouth disease caused a conshow a decrease of 370, but there is really an increase as there has always been confusion as to report injured by railways during 1909. These figures represent an ingress experisor.

The passenger revenue was show a decrease of 370, but there is really an increase as there has always been confusion as to report injured by railways during lings were \$14,824,936 a gain of \$817,887 over the preceding year.

The annual report of Secretary siderable reduction in exports of cattle Wilson, of the Department of Agriculation and sheep. The Bureau of Animal ture, Washington, D. C., contains Industry made during the fiscal year interesting details regarding inspection 397,925 inspections, including reinforcement of export animals and quarantine regulations. In addition particulars are from the United States, besides inspect-

I have just landed a fresh importation consisting of Clydesdale and Haskney stalliens and Clydesdale fillies, direct from Scotland. The stallions are sired by such notable sires as Lord Fauntleroy, Revelanta, Baron of Buchlyvie, Sir Everest and Prince Thomas; these stallions range from 2 years to 6 years old and are horses with lots of size and extra quality. The fillies are two and three years old and are sired by such horses as Prince Alexander, Benedict, Prince Attractive, Prince Maryfield and others. These are good big fillies with a lot of quality—the kind to take to the show ring. In fact, it is said by those who have already seen them that they are the best bunch that has ever come to the province. I have 18 more fillies coming that will reach Deleraine by November the 15th; further particulars of them later. Come and see me or write. I am always ready for business with small prefits.

F. J. HASSARD, V. S., DELORAINE, MAN.

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BLATCHFORD'S CALF MEAL

Resembles new milk as nearly as possible in chemical composition. Used throughout the world. Halves the cost of raising calves. Prevents scouring. Rapidly matures them. Send for pamphlet "How to Raise Calves Cheaply and Successfully Without Milk" Calves Cheaply and Successfully Without Milk

STEELE, BRIGGS SEED Co. Ltd., Winnipeg, Man.

22 Imported Clydesdales Just Landed

For Sale at very lowest prices. I have been importing for the last 30 years. My experience counts for something to those wanting a good Horse and at the right price. Intending purchasers will find it greatly to their advantage to see my stock or write before buying elsewhere. Long distance phone.

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Every Farmer and Poultryman should test HERSEE'S RELIABLE STOCK AND POULTRY FOOD. Why! you say. Because it is made to do you good, make you money, put that horse that's out of condition in good condition, that cow to give more milk, to make calves grow quickly, your fowl to produce more eggs. Now don't be skeptical. You may have had a dose of something that was poor stuff and you may have had reasons; you may have bought a poor pound of tea once, but you have bought a good many pounds that were all right. Now if you want to have better stock, better calves, more eggs, why feed HERSEE'S RELIABLE STOCK AND POULTRY FOOD, which so many are using now. Stock food sells for, in sacks, 50c.; 25 lb. pails \$2.50. Poultry Food, pkg. 25c. Sold by leading dealers or sent direct. Large list of supplies free. Largest Manufacturers of Stock and Poultry Supplies in the province. Put up by

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Overheat It's Running in Labrador RIGHT NOW! This non-freezing engine meets the widespread demand for cheap portable power in winter. Runs at 50 degrees below zero or 100 in the shade with equal ease and power! It's a new invention, yet so far has its fame extended that already it is in use in Labrador, in South Africa and other distant lands. A Complete and Perfect Power Plant No Belts! No Shafts! No Anchor Posts! No Towers! The engine is different from anything ever known. An air-ed engine of the most highly perfected design, without fan cooling attachments. Complete in itself, requiring no spratferments believed.

Justion, no belts, no arms, no shafts, no anchor posts, cks, no towers. Ready to run inside of 15 minu filvery! Tank holds a full day's supply of gasoline. Free Book Tells All About the Wonderful

FULLER & JOHNSON Farm Pump Engine

Pumps 800 to 1,000 Gallons Per Hour!

This engine is absolutely supreme among engines designed for imping. It fits any standard pump. Works in any well. Provides a abundance of pure, fresh water for stock or domestic water supply

Just the Thing for a Little Workshop-**Runs All Sorts of Light Machinery**

This Brings the Catalog! Stewart Nelson Co., Ltd.

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These mighty engines are the supreme achievement in gasoline engineering. Built in sizes from 3 to 18 H. P. inclusive—for stationary or portable work. "Open Water Jackef" type—non-freezing and trouble-proof. Most easily managed engines in the world! Workmaship and material best possible. Bulltand Guaranteed by Fuller & Johnson, Madison, Wis., U. S. A.
Fill out and mail the Coupon for Free Engine Book and name of nearest Fuller & Johnson Engine Dealer. DO IT NOW! DEALERS—Write for the Agencyl Only one dealer appointed in a town. Act quickly, or you will miss a great opportunity. Address at once—

The engine has a 4-inch pulley for running hand-power machinery. It can be quickly detached from pump and carried wherever needed.

Fuller & Johnson High-Powered Engines

STEWART NELSON CO., Ltd. Brandon, Man.

PLEASE MENTION ADVOCATE WHEN ANSWERING ADS infected at the time of its discovery

ing 50,943 Canadian animals in transit through the United States for export. There were inspected on arrival at British ports, by Bureau inspectors stationed there, 259,297 animals from the United States and Canada. Durthe United States and Canada. During the year 473 inspections of vessels Red Top carrying live stock were made in order Buckwheat to see that the fittings, equipment, ventilation, feed, water, attendants, etc., conformed to the regulations.

In order to prevent the introduction of contagious diseases of live stock the Bureau makes a rigid inspection of all imported animals at ports of entry, and quarantine is imposed upon animals from all parts of the world except North America. During the fiscal year 237, 804 imported animals were inspected, 4,760 of which were also quarantined.

The outbreak of contagious foot-andmouth disease, referred to in my previous report, was stamped out after a vigorous campaign by this Department in co-operation with the authorities of the offected States. The disease wes discovered in Pennsylvania early in November, 1908, and the territory affected comprised fifteen counties in Pennsylvania, five counties in New York, two counties in Michigan, and one county in Maryland. The plan of eradication followed was similar to that successfully employed six years previously in the New England outbreak, namely, to enforce a strict quarantine, to discover all infected animals and localities, and to slaughter and bury all diseased and exposed animals and disinfect the premises occupied by them. The condemned animals were appraised and the owners were paid the full appraised value, two-thirds by the Department and one-third by the State. The expenses of burial, disinfection, etc., were shared in the same way.

The total number of animals slaughtered was 3,636, and their total appraised value was \$90,033.18. The figures by States are as follows: In Pennsylvania, 1,232 cattle, 1,000 hogs, 52 sheep, 4 goats; a total of 2,288 animals, valued at \$58,667.22, on 101 premises. In New York, 520 cattle, 246 hogs, 214 sheep; a total of 980 animals, valued at \$24,378.13, on 45 premises. In Michigan, 242 cattle, 23 hogs, 9 sheep, 3 goats; a total of 277 animals, valued at \$5,359, on 9 premises. In Maryland, 31 cattle, 60 hogs; a total of 91 animals, valued at \$1,628.83, on 2 premises.

The Bureau of Animal Industry had force of 572 men, including 159 veterinarians, engaged in the work of inspection and eradication. In addition to the work of slaughter, burial, and disinfection, a vast amount of work was done in thoroughly canvassing the infected regions, going from farm to farm and inspecting all animals, and in investigating rumors of disease so as to detect all cases. The number of visits ade by the Bure 108,683, and the total number of animals inspected, including re-inspections was more than a million and a half Besides the infected states the inspectors visited points in Ohio, Indiana, Kentucky, West Virginia, Virginia, New Jersey, Delaware, and Connecticut in tracing rumors.

The federal quarantine, which was first placed upon four counties in Pennsylvania, effective November 13, 1908, was extended from time to time as additional territory was found to be infected. With the progress of eradication the quarantine was modified and partly released from time to time, as conditions warranted, and was entirely removed April 24, 1909.

The amount expended by the Department of Agriculture eradicating the disease was basely kept within the special appropriations, aggregating \$300,000, made by Congress for that purpose. Fortunately the disease was confined to practically the territory

10.00 Brome Grass Prices for seed oats, barley, flax on applies

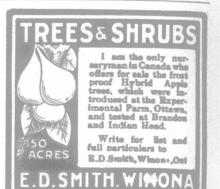
POTATOES Early Ohios Early Rose Early Bovies ... Early Puritans. per bus, \$0.75

Bags for seed 25c. each extra.

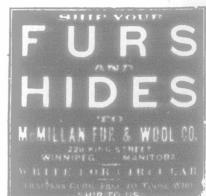
Bags for potatoes 10c. each extra.

Now is time to order seed as prices are reasonable and from our reports there is room for an advance. These prices are cash with order, We solicit correspondence.

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If you have trouble in replacing broken eastings, send them to us and have them repaired. We operate the only

CAST IRON BRAZING Plant in Western Canada, and make a

specialty of this class of work.

The methods employed at the Arnott Institute are the only logical methods for the cure of stammering. They treat the CAUSE, not merely the habit, and insure NATURAL speech. Pamphlet, particulars and references sent on request.

THE ARNOTT INSTITUTE Berlin, Ont., Can.

Philander C. Knox, the secretary of state of the United States, talked at a reception at Valley Forge of an impudent politician.

"The impudence with which he demands his f vors," said Mr. Knox, "reminds me of that of young John Gains, a Brownsville boy

"One winter day the skating was good and a game of hockey was proposed. John Gains, his skates over his products used in human medicine. arm, rang the bell of one of our oldest inhabitants, an 1812 veteran with a

wooden leg.

"Excuse me, sir," he said, "but are you going out today?"

"No, I believe not," replied the veteran, kindly. "Why do you ask, my son?"
"Because if you are not," said John

Gains, "I'd like to borrow your wooden leg to play hockey with."—Cleveland

IT'S THE TALK OF THE COUNTRY SIDE

How Dodd's Kidney Pills Cured Mrs. Samuel Thompson's Dropsy

Her's Was a terrible Case and the Doctors were Powerless to Check it, but the Great Kidney Remedy Cured It.

ing of the wonderful cure of Mrs. Samuel Thompson of this place. She was taken sick with Jaundice, and though the doctor was called in she grew steadily worse. Her stomach was so bad she could not keep anything on it. Dropsy set in and she bloated to a terrible size. The doctor came three times to tap her, but her husband would not allow him to do it, saying that if she could not get better they might let her die in peace. Finally she dropped the doctors and tried other medicines, but they did her no good. Her leg burst and the water streamed Then someone told her about Dodd's Kidney Pills and so she asked

her husband to get her a box.

After taking them a while she took a bad turn. Something would come up in her throat and she would vomit. The water would just fly from her mouth. But from that time she com-

Dodd's Kidney Pills cure Dropsy by putting the Kidneys in condition to take the surplus water out of the blood They always cure it.

and was prevented from spreading to other sections. If it had persisted longer or spread farther, it would have been necessary to call upon Congress for additional funds.

ORIGIN OF OUTBREAK.

On tracing the origin of the disease, which was at first a matter of mystery it was soon found that the cattle which carried it into Pennsylvania came through the Buffalo stock yards, and from Buffalo suspicion pointed to Michigan. I visited Buffalo and Detroit, in company with the Chief of the Bureau of Animal Industry, in order to give personal attention to the situation. It was believed from the first that the contagion must have come from abroad, yet in view of the Department's strict quarantine an imported live stock it was considered improbable that it could have been brought in with animals, and other means of entrance were looked for. When inspectors of the Bureau of Animal Industry traced the disease to certain calves that had been used by a Detroit firm for the propagation of smallpox vaccine it was regarded as very probable that the vaccine was contaminated with the virus of foot-andmouth disease and that the outbreak was due to this cause. I therefore directed that a careful scientific investigation be made to determine this point, and the work was intrusted to Dr. John R. Mohler, of the Bureau of Animal Industry, and Dr. Milton J. Roseneau, of the Public Health and Marine Hospital Service, that Service having been invited to join in the investigation because it was charged by law with the supervision of biological

These investigators by a noteworthy piece of scientific work demonstrated that the smallpox vaccine virus of the Detroit firm was in fact contaminated with foot-and-mouth disease, and, further, that the vaccine of a Pennsylvania firm, from which the particular strain of vaccine in question was obtained by the Detroit firm, was like vise contaminated. While it is not positively known just how long the contamination had existed at the Pennsylvania establishment, it seems probable that it was introduced with vaccine virus imported from Japan in 1902, and that it was the cause of the New England outbreak of

that year. The introduction of the contagion through contaminated vaccine shows the importance of a congressional enactment giving to the Secretary of Agriculture power to control the importation of biological products intended for the treatment of animals, and to supervise the preparation of such products for interstate commerce, in the same manner that such products for use in human medicine are already under the control of the Public Health All the country side about here is talk- and Marine Hospital Service. With the progress of medical and veterinary science there is an increasing traffic in vaccines, serums, antitoxins, etc., and there is a great danger that without proper control there may be introduced with these remedies the contagion of some disease that would cause havoc

CANADIAN NAVY PROPOSALS

among our live stock.

According to newspaper despatches the Canadian navy as defined in a bill introduced in the House of Commons by the Prime Minister recently, provides for a naval force of three divisions. namely, permanent, volunteer and reserve corps. The Militia Act has been largely followed, but there will be no compulsory enrollment in case of war, no conscription, and no balloting. menced to get better, and today she is a well woman. Dodd's Kidney Pills of the Marine and Fisheries Department, with a director, who will hold the rank of rear admiral, or at least captain, and who will be advised by a naval board. The Governor in

GOLDEN WEST STOCK FARM



TROJAN (imp:), Grand Champion, Dominion Exhibition, Calgary, 1908:

Our new offerings of Clydesdale Stallions is bigger and better than ever. have them at all ages and prices ranging from \$500 up. They are imported and homebred, sired by such noted sires as Baron's Pride, Everlasting, Acme, Labori, Baron's Gem, Baron Kerr and others. We also have some very fine Mares and Fillies for sale.

Trojan, grand champion at the Dominion Exhibition at Calgary in 1908, is heading at present our stud. Visitors always welcome and will be met by our rig if notified a few days ahead at Balgonie (Station on C.P.R. main line, 16 miles east of Regina).

P. M. Bredt & Sons

Edenwold P. O.

Via Balgonie, Sask.



Imported Clydesdales

If you are in the market for a choice Filly or a Show Stallion come and see my stock. Prices reasonable.

THOS. USHER, Carman, Man.

DISPERSION SALE OF SHORTHORNS



Having sold my farm I must dispose of my entire herd of pure-bred Shorthorn cattle. I have yet my champion herd and their descendants that won for me honors at many of the leading Alberta exhibitions in past years. There are females of all ages, descendants of the most noted families of

in Scotland. I have used such stock bulls as Trout Creek Here, the champion bull in Alberta, for a number of years; Loyalty (imp.); Remus, a Toronto prize winner, and Lucerne (imp.), the latter a bull of exceptional merit. My prices are very reasonable.

JOHN RAMSAY, PRIDDIS, ALBERTA

JOHN GRAHAM

THE OLDEST IMPORTER IN MANITOBA AND THE LARGEST IN CANADA

Three (3) importations made since January, 1909, and the last to hand on November 1st, totalling 23 head of stallions and mares.

If you are in the market to buy, don't miss seeing my stock before closing any deal; can give you the best Scotland produces or an equally well-bred horse at a small price. Have a selection to suit all buyers.

I have such crack show horses on hand as the following: Arnot's Heir, by Hiawatha that stood reserve for the Bridon Shield in 1907, besides winning many other first prizes; Lord Guthrie that as a 3-year-old was first in his class, and champion at the Royal Northern Aberdeen, besides other winnings to his credit; Silver King that was 1st as a yearling, 2, 3, and 4-year-old at Dublin and Belfast.

Will be pleased to have you inspect my stock whether you buy or

CARBERRY, MANITOBA

SINGE STALLIONS & MARES FOR SALE

My importation of Shire stallions and mares has arrived, and are well ever the effects of the voyage. They consist of one six-year-old brown, and one two-year-old red ross stallions, beth the best of the breed yet imported to this province, also ten mares, three and four years old, all in feel to first-class stallions. You can pick some price winners from these, also one nine-year-old and two three-year-old stallions; all imported last spring. Prices defy competition.



James M. Ewens

LAMBRIDG PROOF PARK 'Buthany, C. H E.

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The J. C. Ranch

Breeder and importer of high class Clydes-dales. Young stock always for sale. Male and female. A car load of young stalliens just arrived. I can supply you with a show ring champion or a range stallion.

JOHN CLARK, JR.
Box 32, Gleichen, Alta.

OHOIGE SOOTOH SHORTHORNS AT REASONABLE PRICES

Two imported yearling shorthorn bulls, one red, one roan. One 2 year old imported bull, red choice individual, an extra sire, Ten young bulls, 9 to 16 months old, all by imported sire to consist of four vessels of the Bristol Thirty young cows and heifers, bred to high-class Imported bulls. Long distance Telephone, Farm mile from Burlington Junction. G.T.R. 36 miles west of Toronto. J. P. MITCHELL





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Glencorse Yorkshires

ALSO FOR SALE

Meletein-Friesian bull calf, nine menths old, aire Dake Varece Beryl Wayne (7718), dam Duchem de Kel (7158) and litter of registered fishle Cellic puppies.

Glen Bros., Didsbury, Alta.

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Great Private Sale

Special prices and terms for choice breeding Shortherns to make room for winter Come and see them. or write for particulars, also Prize winning Barred Plymouth Rocks. Eggs for sale in season.

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Also three young Shorthorn bulls.

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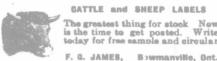
Melrose Stock Farm YOUNG SHORTHORN BULLS, \$35 to \$70 Sold out of sheep. Six young bulls, a few heifer calves for sale

Ten last spring's bull calves now on hand.
A few nice young registered cows still offered at not much more than grade price owing to threatening scarcity of water. A splendid Clyde stallion, rising two years, a snap. Write or call on J. BOUSFIELD, Prop., MACGREGOR, MAN.

Press paid. Troy Chemical Company, Binghamton, N. Y. And 148 Van Horne St., Toronto, Ontario.

Mr. A. I. Hlokman, Court Lodge

Egerton, Kent, England, exports pedigree Live Stock of every description to all parts of the world. Exported during 1907 more Shetland Ponies, more Romney Marsh Sheep, and more champion Oxford Downs than any other breeder or exporter, besides large numbers of other breed of horses, ponies, cattle, sheep and hogs. Cor-respondence invited. Highest references given.



CATTLE and SHEEP LABELS The greatest thing for stock New is the time to get posted. Write today for free sample and circular

25 Reasons for Raising Mules Send for my booklet show

ing that mules pay and pay big. New Importation of Jacks and Jennets.
now in my barns. No better stock anywhere. Prices
right. Farm 6 miles from
Indianapolis. Call or

BAKER'S JACK FARM,

man with rig, or capable of handling

a week and expenses, with advancement, introducing, and advertising ure Ryapl Turple Stock and Poultry Specifies, putting up bill posters, 7 by 6 feet; selling goods to merchants and consumers. No experience needed. We lay out your work for you. A good position for farmer or for farmer's son, permanent, or for fall and The W. A. Jenkins Mfg. Co., London, Ont.

Council will have the power to place the force in active service in case of war, invasion, or insurrection, real or apprehended.

The Governor in Council will also have the power to place the Canadian fleet at the disposal of His Majesty in time of war. In the event of the Governor in Council taking such action Parliament must immediately be summoned. Provision is made for pensions for officers and men, and for the establishment of a naval college similar to the Royal Military College at Kings type, one of the Boadicea type, and six destroyers of the improved river type.

The vessels are to be built in Canada if possible, and construction will be commenced as early as can be. The cost will be £2,338,000 if the vessels are constructed in Great Britain, or about 33 1-3 per cent. more if constructed in Canada. The annual expenditure will be, at first, about \$3.000,000.

In ordering change of advertisement, J. F. Mitchell, of Burlington, Ont., says that the imported bulls offered are good enough to head any high class herd. They have a lot of show blood in them and can be banked on as getters of the right sort. The two year old bull is a choice individual and one of the very best sires in this country. Some of his get were winners at the Canadian National at Toronto last fall and a number will be at Toronto this coming fall.

HOMES READY FOR IMMIGRANTS

An arrangement whereby ready made homes will be provided for immigrants coming from Great Britain to the Canadian West is proposed by the Canadian Pacific Railway Co. It is pointed out that many Englishmen want land and are anxious to tarm but they do not care to undertake the hardship of the first season.

The simple plan suggested is that the company will make preparations in advance for suitable emigrants from England, build houses for them, break the land, plow it, sow the first crops, and secure repayment by instalments spread over a number of years. The president says: "We want to make it possible for a large body of the best kind of emigrants, working country people, to settle in Canada in place of, as now, drifting into the towns where they are not needed.

"We shall probably settle the families not more than two to the square mile, in order that if they do well they can extend their holdings. The primary aim is not to sell land-for it is easy enough to sell land in the it is easy enough to sell land in the west in large quantities to-day—but to the Telegraph:—
"Beastly bad grammar that song—Beastly bad grammar that song—"Beastly bad grammar that song g bring people. We want the right what? How on earth, dear chap, can you make sense or meaning out of such we want them in large numbers."

The land to which this scheme applied is in Alberta and Saskatchewan. In the wheat belt the farms would be 160 acres in extent; in the irrigated portions of Alberta they would necessarily be smaller. The policy of irrigation which has been adopted is said to have been most successful, and the company proposes to apply it to another 1,000,000 acres. The preparatory home-making would cost about \$4,000. The repayment would be spread over ten years, leaving the settler \$400 a year to pay for his property. Men of the right stamp who came out with \$500 would be able to get along successfully.

BREED SOCIETY ANNUAL MEETINGS

Following are the dates announced for the holding of the annual meetings in Toronto of the breed societies named. Those indicated by the as-

TRENCH'S REMEDY -FOR-EPILEPSY AND FITS

IMPORTANT NOTICE

A BRANCH OFFICE has been established at 107 St. James' thinbers, Toronto.

REDUCT ON IN PRICE

This important change permits of prices being reduced to those prevailing in Eurepe, namely:—Full package, \$12.00; half do., \$6.00; quarter do. \$3.75; postage or express charges extra.

THE ONLY GANADIAN AND U.S. ADDRESS

TRENCH'S REMEDIES, LIMITED 107 St. JAMES' CHAMBERS, TORONTO
Pamphlet mailed free on application.
Beware of spurious imitations. All packages of Trench's Remedy must be ar our trademark seal in unbroken condition on each end

DOG MEDICINE-Most dogs have worms. And the worms kill the dogs. Get rid of the worms with VERMICIDE CAPSULES. Six capsulest 25c.. Hundred cupsules, \$3. Mailed with free booklet telling all about worms in dogs on receip of price. Dr. Cecil French, Washington, D.C.



48 BREEDS Fine pure bred chickens, ducks, geese and turkeys Northern raised, hardy and very beautiful. Fowls, eggs and incubators at low prices. America's greatest poultry farm. Send 4 cents for fine 80-page, 16th Annual Poultry Book. R. F. NEUBERT, Box 816, Mankato, Minn



B. P. RICHARDSON

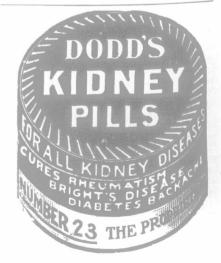
BARRISTER, SOLICITOR, NOTARY PUBLIC.

GRENFELL, SASK.

LANDS FOR SALE

You are probably acquainted with one of the latest popular hits in the song line, the refrain of which is "Where Has My Lima Bean?" The New York Telegraph makes it out to be an Engishman who heard the song at the Murray Hill Theatre and who was much perplexed by the refrain. Seeking out the house manager, who was a friend, he thus voiced his objections, according

you make sense or meaning out of such foolishness? Why, such a meaningless babble! 'Where Has My Lima Bean!' It ought to be either 'Where Is My Lima Bean' or 'Who Has My Lima Bean, and it's idotic to sing it in the way they are doing—what?"



Glenalmond Scotch Shorthorns



I have for sale some great, thick, robust, young stock-bulls and some grand young heifers ready to breed. I can supply ranchers with bulls of a serviceable age at very reasonable prices, My herd won many prizes at the leading exhibitions in Alberta last season. Imported Baron's Voucher, a champion bull in Scotland heads my herd. Write me for prices

C. F. LYALL

A few fine long pure-bred Yorkshire bears on hand, Par-rewed April from prise

winning stock. Price \$20.00 each.

STROME, ALTA.



BRAMPTON JERSEYS

Canada's Greatest Jersey Herd in prisewinners, in number of sales, in dairy quality, in breeding cows, in breeding sires, in importation, in home-bred animals, in breeding results. Jerseys of all ages and both sexes for sale.

B. H. BULL & SON,

BRAMPTON, ONTARIO

S, LIMITED B, TORONTO plication.
tions. All packst bear our trade.
tion on each end.

have worms. And t rid of the worms S. Six capsulest Mailed with free in dogs on receip shington, D.C.

eese and turkeys
very beautiful.
w prices. AmerSend 4 cents for
bultry Book.
Mankato, Min.



RDSON ICITOR,

ASF. SALE

uainted with r hits in the ich is "Where he New York be an Engishat the Murray as much pereking out the a friend, he ns, according

· that songear chap, can meaningless Lima Bean? re Is My Lima Lima Bean, the way they



The Great Conditioner. Tonic, Digester

February 2, 1910

BITTEE LICK will give your horses a keen ppetite — regulate disorders and keep them ealthy. Made of salt, linseed, roots and herbs.

a Worm Destroyer.

Steele Briggs Seed Co. Limited., Winnipeg, Man.

Gen. St. Clair Mulholland, veteran lar contests in scope and in general in-and historian of the Civil War, tells an terest. Prof. A. R. Greig, of the deincident showing the utter worthlessness partment of engineering in Saskatcheof Confederate paper money at the close of the war.

"Shortly after Lee's surrender," says the General, "I was a short distance from Richmond. The Confederate soldiers were going home to become men of peace again and were thinking about their farms.

"One had a lame, broken-down horse, which he viewed with pride. 'Wish I had him, Jim,' said the other. 'What'll you take for him? I'll give you \$20,000 for him.'
"'No' said Jim.
"'Give you \$50,000.'

Philadelphia Times.

"'No,' said Jim. "'Give you \$100,000,' his friend said. "'Not much,' replied Jim. 'I just gave \$120,000 to have him shod.'"—



Women's nerves are often ruined by sewing.

The strain of working the nachine is bad. The strain on the eyes is often worse.

Once the nervous system is run down, nothing short of patient and persistent treatment will bring back health and vigor.

Rest if you can-get out into the fresh air and sunshine—build vp the nervous system by using

Dr. A. W. Chase's Nerve Food

The sleeplessness, headaches, tired feelings and irritability soon disappear when Dr. A. W. Chase's Nerve Food is used. Nervous prostration and paralysis are prevented. Health and vigor are restored.



The genuine Dr. A. W. Chase's Nerve Food beers pertrait and signature as shown in illustration, 50e. a box, all dealers or Edmanson, Bates & Co., Torento. rite for free by Dr. Chase's

terisk are suggested dates, not confirmed by official communication:

Dominion Shorthorn Breeders' Association, February 1st.

*Canadian Shire Horse Ass'n, Feb. 1st, 4. p. m. *Canadian Pony Society, Feb. 3rd,

8 p. m. Ontario Horse-breeders' Association,

February 1st, 7.30 p. m. Dominion Cattle-breeders' Associa-

tion, February 2nd, 7.30 p. m. Dominion Swine-breeders' ciation, Feb. 3rd, 2 p. m.; Directors' meeting at 9.30 a.m.

Dominion Sheep-breeders' Association—Directors' meeting, Feb. 3rd, 7.30 p. m.; annual meeting, Feb. 4th, 9.30 a. m.

Ontario Sheep-breeders' Association, February 4th, 2 p. m.

Canadian Holstein-Friesian Association, Temple Building, Feb. 10th, 9

AGRICULTURAL MOTOR CONTEST

The motor competition arranged for the Winnipeg Industrial Exhibition next July promises to eclipse other simiwan's new college of agriculture at Saskatoon, and Prof. L. J. Smith, of M. A. C., will be the engineers in charge. Particulars can be had from the exhibition manager, A. W. Bell.

Rules and conditions will be adhered to as follows:

1. The entries shall be classified as follows by the judges :-

(a) Internal Combustion Engines, 20 brake h.-p. and under. (b) Internal Combustion Engines, 21 to 30 brake h.-p. (c) Internal Combustion En-

gines, over 30 brake h.-p. (d) Steam Engines.

Prizes shall consist of: First prize, gold medal; second prize, silver medal; third prize, bronze medal.

2. All entries must be made on or before June 1st, 1910. Entries must be made on the attached form, with all the data filled in accurately, and must be accompanied by entry fee of 5.00 for each entry.

3. Any firm or individual may enter

more than one motor. 4. The fuel used during any test shall be that supplied by the Exhibition Association, and will be supplied to

contestants at the following rates: Gasoline, 20 cents per gallon of 277 cub. inches; Coal oil, 18 cents per gallon of 277 cub. inches; soft coal, \$8.50 per

ton of 2,000 lbs.; wood, \$4.50 per cord. 5. Each competitor must have sufficient staff for the care of and running of

his motor. 6. All motors entered for competition must be on the grounds not later than

July 11th, 1910. 7. Each motor will be allotted an official number, which shall be displayed during the competition.

8. Each motor shall be allotted a certain space on the grounds where the motor shall be exhibited at all times, except when being tested. Only those motors taking part in the tests will be allowed on this space.

9. The tests will comprise braketest, plowing-test, and such other tests as the judges deem essential.

10. The ploughs, belts, chains. water-tanks and such other things as may be required during the test must be supplied by the contestants.

11. The judges may test the engines in any order that may seem to them desirable. The contestants will be given one hour's notice when to be ready for

12. Each contestant must supply a recording dynamometer and sufficient charts for two hours' reading for all the tests of his engine.

The brake test shall consist of an economy test, extending over a period

Percheron Stallions and Mares



We have lately had a consignment of Percheron Stallions and mares from Maple Leaf Farm, Essex County, Ont., to our sale barn at Victoria Park, Calgary, Alta. Stock is all young. We can give you greater value for your money than you can get elsewhere. Come and let us prove this to you. Barn is full. Buy early, while there is a choice. Write for full information. full information.

Address Phone 472 E. J. WIGLE, 342 18th Ave. W., Calgary, Alta.

REGISTERED PERCHERONS for SALE



Including several pirse winners at the summer fairs of Winnipeg, Brandon, Regina and Saskatoon. At these exhibitions our exhibits won seventy-four prizes, nine gold medals and two silver cups. We have 40 head to select from, registered in both American and Candaian Records. Young stallions and mares sired by our Imported Robosse. Also choice Americ n bred stock. Western buyers would do wille to inspect our horses before purchasing as they are acclimated and will be sold at reasonable prices. Terms given to any one with satisfactory rererences. Write or come and see us. Long stance phone connection, farm three miles from

town, visitors met at train.

W. E. & R. C. Upper, North Portal, Sask.

"TIGHNDUIN"



Stock Farm LASHBURN, SASK.

on C. N. R. main line. Breeders and Importers of

Pure Bred Clydesdales, Hackneys and **Shetlands**

Mares, Stallions and young Stock for sale. Also pure-bred Shorthorn Cattle.

J. Morison Bruce, Prop.

J. C. M. Johns, Mgr.

Bow River Horse Ranch

[Established 1880]

Pure Bred Clydes, French Coach and Thoroughbreds

Carriage, saddle and show horses a specialty. Young STAL-LIONS and FILLIES from \$250 up. Farm horses, singly or by the carload. Buyers met. Local and long-distance 'phone.

G. E. Goddard, Cochrane, Alta.

GLENCARNOCK ABERDEEN ANGUS CATTLE



We have a choice lot of well grown young bulls of 1909, of the low down blocky type sired by Imported Prince of Benton, who was one of the best Angus bulls ever imported to America. We have also a choice lot of two year old heifers by the same sire out of big heavy fleshed, choicely bred cows of the easy keeping sort. Now is the time to get a bull that will sire the low down heavy fleshed steers that bring the top price.

GLENCARNOCK STOCK FARM, BRANDON, MAN.

ROBT. BROWN Herdeman JAS. D. McGREGOR

IT MAKES LIVE MEN OUT WRECKS

Many people would give all they possess to regain the health they have lost. Many have spent their last cent in its pursuit—and thrown their money

Such people are misled by custom and the well-meant advice of friends. They take every new drug under the sun and find them all useless.

Yet here is a simple, natural remedy, Dr. McLaughlin's Electric Belt, that does what other things fail to do. It does not poison the system nor depress the spirits. On the contrary, it starts the life current anew and produces health. It invigorates the mind. Without knowing how, the patient jumps from despondency to health and ambition.

There is nothing wonderful in this change. It is all so natural. Think what the effect would be if you were suddenly deprived of all the Electricity in your body. You could not live an instant. No mental or physical life could exist without Electricity. Na-

turally, when the amount is below normal, you are less vigorous, less ambitious.

Then is the time my Belt does great things for you. It recharges your nerves with life-giving currents.

Soon strength and vitality are restored. You feel the old, stimulating glow of health. You now have the right

amount of Electricity, and you feel "equal to anything."

What is my Belt? It is a body battery, made for the purpose of applying Electricity to the human system in the most scientific and effective way. It is made on an entirely different plan from the worthless devices known by "Electric Belt." Its current is of guaranteed strength and constancy. It is provided with a regulator. This enables you to change the current to suit varying needs. You wear it at night. Its soothing currents send you to sleep. You wake up refreshed and invigorated. Before long you feel like a different person—and you are different. Your friends tell you so.

The benefits of my Belt are being daily demonstrated by thousands of patients, and it is heartily endorsed

by those who have been cured.

If you are sick or weak, and your doctor isn't helping you much, you ought to try my Belt. It's a grand remedy. All such troubles as Indigestion, Constipation, Torpid Liver, Tired Feeling, Weak Kidneys, Rheumatism, Neuralgia, Lame Back, Lumbago, Sciatica, Sleeplessness, Nervousness and Headaches are cured completely with Electricity applied with my Belt; it overcomes all signs of weakness or breakdown in men and women. My Belt not only cures the sick, but gives the well a greater zest in life.

If you haven't confidence in Electricity, let me treat you at my risk. I will give you the Belt on trial, without one cent of risk to yourself. Give me reasonable security, and I will take your case, and



Dr. McLaughlin: Dear Sir,—I am very thankful for the good your Belt has done me. I can work now and feel that the restoration of my health is complete. All I can say is that your Belt cured me after the failures of doctors. If there are any men broken down like was there is only one thing that can make them men again, and that is Dr. McLaughlin's Electric Belt. It has cured me and will do the same for you. If anyone doubts you, let them write to me. Yours very gratefully, P. DESLORS, Ralph Station, Sask.

FREE BOOK.

If you cannot call and see me personally, you can write for my book. It will cost you nothing, and will tell you lots of things you ought to know. Send coupon for this beautifully illustrated 84-page Free Book to-day. "Electricity is Life." I know best how to apply the remedy, and thousands of men owe their health and happiness to-day—their success in life—to DR. McLAUGHLIN'S ELECTRIC BELT. Office Hours: 9 a.m. to 6 p.m.; Wednesday and Saturday till 9 p.m.

Dr. McLaughlin: Dear Sir,—I am pleased to say that one year and eleven months has passed since I stopped wearing your Belt, and I can say that your Belt has cured me permanently of my different ailments, such as nervousness, heart and kidney troubles, indigestion, sick headaches and other ailments. I have not been troubled with any of them since, nor have I felt the effects of them since I stopped wearing the Belt, I always an-swerall who ask me about the Belt, and there have been several who have written to me. I do this cheerfully, and will continue to do so as long as they send me a stamp for reply. Wishing you success in the future, I emain, yours for health, James Ed. Jones, Teulon, Man.

DR. M. D. McLAUGHLIN, 112 Yonge St., Toronto, Canada Gentlemen.,—Please send me, prepaid, your Free Book.

ADDRESS

of two hours, and the maximum horse-nesting weights are hung. These lbs. are due to friction, and 80 lbs. are judges.

Consultation free.

The brake apparatus used last year shaft was carried by two large bearings, on a strong wooden frame. The pulley marked A is 40 inches in diameter by by 10-inch face, flanged both on the inside and outside of the rim with flanges projecting two inches. Around this pulley is wrapped four falls of rope, arranged with pulleys to equalize the strain on all the rope. The oak block to which the ropes are factored at the town of the pulley at 240 when running as above there are rolley at 240 would equal $\frac{51}{12}$ $\frac{22}{7}$ $\frac{240 \times 1220}{3300}$ -119h. It can readily be seen that by tightening up on screw G any desired amount of tension can be obtained on the weights and 5 lbs. of bolts, nuts, when running as above there are rolley in the pulley and the rope increased. The pulley is kept cool by

long bolt, on which a number of 25-lb. or that of the 1,300 lbs. shown, 1,220 The speed usually employed to run a that he could enter a farmer's pre-

power test for a period of thirty min- weights are on a scale, and when the due to the weights. This 1,220 lbs. boiler; cleaning grates and tubes; easy utes or longer, at the discretion of the ropes are slack, the full amount of the pull due to friction multiplied by the manipulation, such as starting and weights and bolt are on this scale velocity at which the ropes would stopping, reversing and the general The pulleys revolve in the direction travel; if it were a belt on pulley B handling of the engine; the clearance consisted of two iron pulleys mounted of the arrow, so that all the friction has would give the amount of work done, of working parts from the ground; the on and keyed to a four-inch shaft. This a tendency to make the weights rest and if that were divided by 33,000 proportion of the various working parts entirely on the scale. Now, if the hook would give the h.-p. For example, of the machine and the materials of bolt G were tightened up sufficiently it the pulley is 50-in. diameter, and the would take up all the slack and have a rope, say, 11 inches in diameter; then 16 inch face, and on this pulley the tendency to lift the weights off the the center of the rope is 511 inches, and belts from the engine are run. The scale. For example, suppose an en- at 240 revolutions per minute the h.-p. belts from the engine are run. The state. For example, suppose an analysis of the roll other pulley B is 50-inch diameter gine runs the brake pulley at 240 would equal $\frac{51}{12}$ x $\frac{22}{7}$ x $\frac{240 \times 1220}{3300}$ -119h. to which the ropes are fastened at the when running as above, there are only pulley is kept cool by a constant top is carried by a book bolt to a dynamometer which is supported from the that the slack side of the ropes are inside of the rim, and at the same frame work. The lower block has a tight enough to lift 80 lbs. off the scale, time an equal amount being drawn off. that a thresher in the neighborhood

separator would run the brake at about 240 revolutions per minute; at this speed it has been found to take about 2 h.p. to run the brake. This 2 h.-p. is added to the h.-p. developed by the engine.

Competitors will be allowed 15 minutes after they have lined up to the brake, to try-out their engine, and to state the amount of load they wish to carry. Last year some of the engines had to withdraw from the brake test, and the manufacturer should be careful to have everything in good shape for a hard run. After the competitor has stated the load he wishes to carry, the operators will keep the brake as near that load as possible for two hours and no change will be made. Careful measurements of the fuel and water used will be taken and the condition of the engine noted. Also the mean effective pressure developed in the cylinder will also be taken into account.

After the two hours run, the test will be made of the maximum h.p. the engine will develop for thirty minutes; careful measurements again being taken of all the fuel and water.

Hauling tests shall consist of hauling the load around the tract for a period of two hours; the load shall be made up to suit the capacity of the engine. A number of loaded wagons will be provided, so that a load of any size may be obtained. The larger engines hauling the dead engine and one, two or more wagons as desired; between the engine and the load shall be placed a traction dynamometer, which shall accurately record the draw bar pull for the period of two hours. The course consists of part sod, part gravel and part block pavement; careful measurements of all fuel and water supplied will be taken and of all stops, etc., that may occur. A trial round will be allowed so that the competitor may be able to select a suitable load. Note will be taken of the ton miles hauled; per unit of fuel and water used. The proportion of draw-bar h.-p. to the brake horsepower and such other data as the judges deem essential.

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Plowing test shall extend over a period of three hours, or longer, if deemed necessary by the judges. The contestants may use any make of plow they wish. The depth of plowing to be as directed by the judges. A recording dynamometer will be placed between the engine and the plow, which will accurately record the pull for at least a period of two hours. Careful measurements will be taken of the fuel and water used; the acres plowed; the drawbar pull; the fuel per acre; the distance travelled without replenishing, and such other data as the judges deem essential.

Design and Construction.—Under this head will be considered the perfection of the working parts from mud and dust; dust-proof bearings, accessibility of all parts, such as valves, igniters, bearings, fuel and water tanks; facilities for washing out the construction; the workmanship and method of lubrication.

The following are points upon which the awards will be made (May be changed at discretion of judges): Brake test, 150; hauling test, 100; plowing test, 200; design and construction, 50.

THRESHER'S LIEN ACT DECISION

The attorney-general's department of Alberta has handed out an important decision which will be of interest to all farmers and thresher-It appears men in the province. of Cowley was under the impression

brake at about te; at this speed e about 2 h.p. 2 h.-p. is added y the engine.

allowed 15 lined up to the engine, and to d they wish to of the engines he brake test. hould be caregood shape for competitor has s to carry, the brake as near two hours and nade. Careful uel and water he condition of so the mean loped in the n into account. n, the test will m h.p. the en-

sist of hauling t for a period shall be made of the engine. agons will be f any size may engines haul-1 one, two or between the ll be placed a thich shall acv bar pull for

irty minutes:

ain being taken

The course rt gravel and reful measurer supplied will etc., that may ill be allowed ay be able to Note will be uled; per unit The propor-

e brake horseı as the judges tend over a nger, if deem-

es. The connake of plow plowing to be A recording aced between v, which will 1 for at least reful measurethe fuel and ed; the draw-; the distance

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tion.-Under ered the perrts from mud ings, accessi-1 as valves, and water ning out the 1 tubes; easy starting and the general he clearance ground; the vorking parts materials of nanship and

upon which e (May be dges): Brake 100; plowing uction, 50.

DECISION

department out an im-ill be of in-id thresher-It appears eighborhood impression rmer's preFebruary 2, 1910 Warranted to Give Satisfaction. Gombault's . **Gaustic Balsam**

Has Imitators But No Competitors. A Safe, Speedy and Positive Cure for Safe, Speedy and Postave Cure I Ourb, Splint. Sweeny, Cappea Hock, Strained Tendons, Founder, Wind Puffs, and all lameness from Spavin, Ringbone and other bony tumors. Oures all skin diseases or Parasites, Thrush, Diphtheria. Removes all Bunches from Horses or Cattle.

As a Human Remedy for Rheumatism, prains, Sore Threat, etc., it is invaluable. Every bottle of Quantie Balaam sold is Every bottle of Guantie Balaam sold saranted to give satus action. Price \$1.50 arranted for bottle Sold by or so son to year bottle. Sold by or so son to year bottle. Sold by or sold directions for use 1.50 arranted for the saturation of the sa The Lawrence-Williams Co., Toronto, Ont.

Shoe Boils, Capped Hock, Bursitis are hard to cure, yet BSORBINE

will remove them and feave no blemish. Does not blister or remove
the heir. (ures any puff or swelling. Horse can
be worked, \$2 to per bottle, delivered, blook 6 D free.
ABSORDINE, JR., (mankind, \$1.00 bottle.)
For Boils, Bruises, Old Sores, Swellings, Goikre,
Varicase Veins, Varice teles, Allars Pain.
W. F. YOUNG, P.D.F., 248 Temple St., Springfield, Mass.
LYMANS Lid., Hostreal, Canadian Agents.
Also turnished by Martin Bele & Wynne Ce., Winnipeg;
The National Drug & Chemical Ce., Winnipeg and Calgary;
and Henderson Coase Co. 11d Vancouver.

To stand upon the pole.

And Brown said Peary was the man Who won the icy goal. Brown added then a few remarks

On Smith's veracity, And Smith responded with a punch On Brown's anatomy.

Of information rare? Some years ago in Central Park He saw a polar bear.

HEADACHE

AND

Burdock Blood Bitters.

tells us that there is another disease which, although we may not be aware of it, is still exerting its baneful influence, and perhaps awaiting an opportunity to assert itself plainly.

Burdock Blood Bitters has, for years been curing all kinds of headaches, and if you will only give it a trial we are sure it will do for you what it has done for thou-

ands of others. **** Headache and

→ Burlington, N.S., → writes:—"I have been troubled with head-

asked me to try Burdock Blood Bitters.

Co., Linkers "aronto Ont.

mises at any time and take enough grain to pay for the threshing, providing the account was not paid on demand, claiming that the Threshers' Lien Act even gave the right to break into a granary to secure the grain. The attorney-general has decided that a thresher has no such rights under the His decision is that to benefit under the Act a thresher would have to remove the grain directly from the machine. The Act gives the thresher no authority, he claims, to enter a man's premises and take the grain forcibly from the granary, and that a farmer is within his rights in defending his property.

GRANGERS ON TARIFF REFORM

In the election campaign just concluded in Great Britain, colon.al opinion was frequently quoted by sceakers, both favoring and opposing tarif reform, and was supposed to have some influence in forming the opinions of the electorate on this issue. To set forth the position of Canadian farmers on the question, E. C. Drury, grand master of the Dominion Grande, addressed the following letter to David Lloyd-George, Chancellor of

the Exchequer:
"It is brought to my notice that in your campaign your opponents are using the statement that the Colonies are demanding prefer ntial treatment for their foodstuffs in the British market. As head of the Dominion Grange, an organization of farmers covering Ontario, and in affil.at.on with farmers' organizations in other provinces, I am in a position to speak with authority for the farming class of Canada, and I would desire most emphatically to contradict the above statement as far as the farmers of Canada are concerned. are not troubling ourselves as preferential treatment in the British market, which we realize would work harm to the consuming masses in Britain, and would ultimately injure us by injuring our market. On the THE DISPUTE other hand, our organizations have Smith said that Cook was surely first taken a stand favoring the admission of British goods free of duty into Canada, both as an act of patriotism toward England and as affording us some relief from the oppressions of combines and trusts which have grown up in the shelter of our protective tariff among our manufactur-ers. The cry for preferential treatment in Britain, so far as Canada is Now where had Brown gained Arctic concerned originated with our protectionist manufacturers, who desire To give his views such weight?
He once within a skating rink
Had cut the figure 8.
And where had Smith acquired his er than that given to other countries, but still 'high enough to give control of Canadian markets to Canadian manufacturers,' as they have frequently affirmed by resolutions in their association. The farmers of Canada are engaged in a life-and-death struggle with the combines which have grown up under our tariff, and no greater evil could befall them than

tionist element here. " Hoping that this statement may The presence of headache nearly always help to clear a misrepresentation of the attitude of Canadian farmers on this question, I remain,
"Yours respectfully

the triumph of protectionism in Eng-

land, as it could not help but strengthen the hands of the protec-

(Signed) "E. C. DRURY."

Geo. Lane, Bar U Ranch, Pekisko, Alta., received recently from France a consignment of fifteen Percheron stallions, said to contain some of the best specimens of the breed yet brought to Western Canada. The stallions are two-year-olds, and have been selected from some of the best Constipation cured. troubled with nead-ache and constipation for a long time. After trying different doctors and purchased for himself four mares and one stallion. These four mares and one stallion. These constitutions are friend to the second of the sec horses arrived at High River in good condition, despite a rather rough I find I am completely cured after having taken three bottles. I can safely recom-For sale by all dealers.

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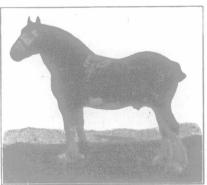
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HILLCREST STUD

We have added to our well known stud of Clydesdales at the Hillcrest Stud. Condie. Sask., a recent importation of thirty-five head—twenty-three stallions and twelve filles. Our new importation was personally selected to keep up the high standard of our stud, and we are offering horses with size and quality combined to a marked degree. They are sired by such horses as Baron's Pride, Hiawatha. Everlasting, Baron's Gem. Royal Pavorite, Baron o' Buchlyvie and Sir Hugo.

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We have in our new barns situated in Lumsden, Sask., about 70 head of imported and Canadian-bred Clydesdales. Our last importation of over 50 head is the largest importation made to Canada in 1909 and is without a doubt the best selection we have yet handled; they are all the Scotch type and are sired by such horses as Baron's Pride, Baron Cedric, Everlasting, Sir Everard, Baron O'Buchylive, Royal Fav-orite, Royal Edward, Revelanta, Scottish Crest, Marcellus, Lobori.

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LOCAL TREATMENT FOR WOMEN'S DISORDERS



The health we enjoy depends very largely upon how the blood circulates in our bodies; in other words, if we have perfect circulation we will have perfect health. There is a constant wearing out of the tissues in every part of the body. The blood flowing through the veins carries off this waste or dead matter, while the blood coming from the heart through the arteries brings the fresh new living tissue, the essence of the food we have digested, to replace what has been carried off. This constant wearing out and expelling of the dead matter and the replacing of it with new matter, atom by atom, goes on day and night, until in about 7 years a complete change has been effected. Thus every man and woman has an entirely different body in every particle of it from what he or she had

Thus every man and woman has an entirely different body in every particle of it from what he or she had 7 years before.

It sometimes happens, however, from a variety of causes, that the blood becomes congested in certain portions of the body. This means that the blood vessels in these parts become weakened, and the circulation in that section of the body becomes sluggish and stagnant. The consequence is that the dead matter in that part of the body is only partially carried away, and that but little of the new, vital matter is introduced there to build up and strengthen the tissues and nerves.

for female troubles as it would be to take medicine internally for a bruise, a boil or an ulcerated tooth. In all these cases some dead matter is being retained, and the cure is effected ing retained, and the cure is effected by employing local methods for expelling the dead matter. ORANGE LILY has antiseptic, soothing and healing properties, and also tones up and invigorates blood vessels and nerves. I am so anxious that every suffering woman may satisfy herself, without cost to her, that ORANGE LILY will ture her, that I hereby make the following



FREE TRIAL OFFER

I will send, without charge, to every reader of this notice who suffers in any way from any of the troubles peculiar to women, if she will send me her address, enough of the ORANGE LILY treatment to last her ten days. In many cases this rial treatment is all that is necessary to effect a complete cure, and in every instance it will give very noticeable relief. If you are a sufferer, you owe it to vourself, to your family and to your friends to take advantage of this offer and get cured in the privacy of your home, without dectors' bills or expense of any and Address MRS, FRANCES E, CURRAH, Windsor, Ont.

Urange they is recommended and sold in winnipeg by the T. Eaton Co., Ltd

Wit and Humor

A poor Turkish slater of Constantinople, being at work upon the roof of house, lost his footing and fell into the narrow street upon a man. The pedestrian was killed by the concussion, while the slater escaped without material injury. A son of the deceased caused the slater to be arrested. The cadi listened attentively and in the end asked the slater what he had to say in his defence.

"Dispenser of justice," answered the accused. "it is even as this man says, but heaven forbid that there should be evil in my heart. I am a poor man and know not how to make amends.

The son of the man who had been killed thereupon demanded that condign punishment should be inflicted on the accused.

The cadi meditated a few moments

and finally said, "It shall be so." to the slater he said, "Thou shalt stand in the street where the father of this young man stood when thou didst fall on him

And to the accuser he added: "Thou shalt, if it please thee, go up on the roof and fall upon the culprit even as he fell upon thy father. Allah be praised!"

In answer to the question, "Please tell when and where are, or is, the correct time for a gentleman to lift or remove his hat," we reply: With-out consulting authorities of etiquette, in fact giving it to you offhand, so to peak, we should say at the following occasions, respectively, the hat should be lifted or removed as cir-cumstances indicate: When mopping the brow, when taking a bath, when eating, when going to bed, when taking up a collection, when having the hair trimmed, when being shampooed, when standing on the head.—Wichita (Kan.) Beacon.

and all and any and that but little of the new, vital matter is introduced there to build up and strengthen the tissues and nerves.

This condities. The dead matter retained in the circulation, which should have been expelled, causes irritation and inflammation of the delicate memberane, and oppresses the nerve centrea. This condition is the cause of the grievous physical and mental suffering.

To obtain relief it is evident that the first thing to be done is to get rid of it by forming ulcers, tumors, etc.

The above explanation will also show why ORANGE LILY is so successful incuring this condition. It is a local treatment, and is applied direct to the affected to the affecte

sented at Court a few days ago, was the favorite granddaughter of the late Mr. W. E. Gladstore, and among the stories of her childhood days is the following:

box before I started to feel better, so box before I started to feel better, so leads to be the childhood days is the following: of her childhood days is the following:
One morning she refused to get up, and, all other means failing, Mr. Gladstone was called to her. "Why won't you get up, my child?" he asked "Why, grandpa, didn't you tell me to do what the Bible says?" replied Dorothy. "Yes, certainly." "Well, it disamproves of early rising — says it's disamproves of early rising — says it's Heart and Nerve Pills, I could not go the continued their use until I nau several boxes, and I am now strong and well and able to do my own work When I commenced taking your pills I weighed 125 pounds, and now weigh 185 and have given birth to a lovely young daughter. When I commenced taking Milburn, Heart and Nerve Pills, I could not go Dorothy. Thes, certainty.

disapproves of early rising—says it's a waste of time," rejeited the child.

Mr. Gladstone was uable to agree, but upstairs without resting before I got to upstairs without any Mr. Gladstone was uable to agree, but Dorethy was sure of her ground. "You listen, then," she said, in reply to the top, I can now go up without any trouble." To his exclanation of astonishment, and taking up her Bible, she read verse 2 of Psalms 127, laving great enurhasis on the words. "It is vain for the manner of the manner

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New Map now ready giving particulars of

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Many Lots all ready for the Spring work. Trees growing. Write for particulars to

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You can make \$2,000 year with the Powers Well

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Machine d carry on your regularies farm work. Our Com

Write for catalogue and our easy terms Lisle Mfg. Co., Box 1-9 , Clarinda, Iowa

"The pictures they publish of me," said Robert Louis Stevenson when speaking once of the trials of the photo graphed, "vary considerably. They represent every type from the most godlike creatures to the criminal classes; and their descriptions of me vary in proportion-from a man with a 'noble bearing to a 'blighted boy.' I don't mind what they say as a general rule. only I did object when somewhere in the States, an interviewer wrote: 'A. tall, willowy column supported his classic head, from which proceeded a hacking cough.' I could not forgive

Was All Run Weighed 125 Lbs. Down. Now Weighs 185

137

Mrs. M. McGann, Debec Junction, N.B. writes:—"I wish to tell you what Mil-burn's Heart and Nerve Pills have done for me. Three years ago I was so run down I could not do my own work. I went to a doctor, and he told me I had heart trouble and that my nerves were all unstrung. I took his medicine, as he ordered me to do, but it did n.e no good. I then started to take Milburn's Heart

The price of Milburn's Heart and Nerve Pills is 50 cents per box, or 3 boxes for \$1.25 at all dealers or mailed direct on Limited, Toronto, Ont

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r the Spring

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unction, N.B. ou what Milills have done I was so run own work. told me I had nerves were all edicine, as he d n.e no good. lburn's Heart nly taken one el better, so l I had taken w strong and n work When ills I weighed 185 and have ing daughter in the family ng Milburn could not go without any

art and Nerve r 3 boxes for led direct on Wilburn Co

RE-BUILT TYPE-WRITERS

February 2, 1910

There are no worn parts in these machines. All are equipped with new type, ribbons and rollers. Guaranteed for a year like a new

Remington No. 6 \$35.00, \$37.50, \$40.00, \$42.50.

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\$55.00, \$60.00. L. C. Smith's No. 2 — \$65.00

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Machines not listed. Prices will be given on application. Return the machine if not satisfied with it and get your money back.

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KOOTENAY FRUIT LANDS

I am instructed by the Columbia River Orchards, Ltd. to place on the market for quick sale their entire Central Park Subdivision on the Columbia River, Kootenay District of British Columbia, consisting of 66 Lots at from . . .

\$30 to \$380 per Lot.

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On March 27th, 1909, Mr. J. D. Anderson, B. C. Land Surveyor, wrote us with reference to the Central Park property as follows:

The more I see of this particular block the more highly I think of it. There is no possible doubt but this is very high grade fruit land, and it is a pity that settlers are not already on it. It is so easy to clear, and the land is the characteristic high grade fruit land of this district, that is sure to be in time a very profitable tract. It compares very favorably with the Doukhobors' land at Waterloo and the McKenzie land at Champion Creek below Waterloo held at \$50 to \$150 an acre.

Never before have B.C. Fruit Lands been offered at such ridiculous prices. Price is no object. These Lands MUST BE SOLD within 30 days. The owners have given definite instructions to sell every lot regardless of price. This is, I believe, the first time the public has been given the opportunity to buy Fruit Lands at

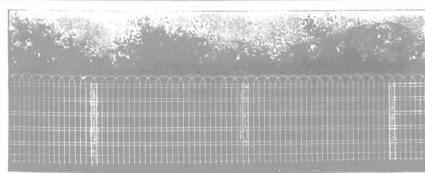
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Department A.

G. B. Dunning, Tuxford, Sask., Jan. 8th. 1910. "The Domo I purchased from you has proven satisfactory. We are well pleased with it. It runs easily, and skims perfectly. I would take much pleasure in recommending it to anybody wishing to purchase a Separa

(Purchase Price \$18.00)

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- N. A. Douglass, Hartney, Man., Jan. 4th, 1910 "We are quite satisfied with the Separator, and I think it very cheap at the price." WINNIPEG (Purchase Price \$39.50)

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The early spring will soon be here and the gophers will be out in vast numbers to feast upon the green grass, the seed and the tender shoots of grain in order to recuperate from their starved condition.

The wet season of last spring and the lateness of the dry period has made it possible for these grain destroyers to increase in numbers very rapidly.

FARMERS: Now is the time to get together for your mutual interest and carry on a systematic warfare in order to rid the fields of these pests that destroy thousands of bushels of grain every year.

Make preparations at once for their destruction by purchasing

MICKELSON'S "KILL-EM-QUICK" GOPHER POISON

which is the only successful gopher exterminator in existence and thus save many a bushel of grain for the yield at harvest time.

"KULL-EM-QUICK" is in powder form to be mixed with wheat, cracked corn, chopped up alfalfa, alfalfa meal or other grain which has been soaked over night and the water drained off the next morning. To prepare any dry grain for immediate use add boiling hot water and drain off when cool; then mix in the "KILL-EM-QUICK." The poison will then adhere to and form a coating on the outside of the kernels of grain. It thus comes in immediate contact with the tissues of the stornach and a kernel of the prepared grain eaten will cause almost instant death. "KILL-EM-QUICK" has a peculiar ofor which attracts the gophers and being very pleasing to the taste they eat it in preference to any other food.

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Thousands of farmers use and recommend this patent preparation for the extermination of the gopher pest. **KILL-EM-QUICK'** is backed by a cash guarantee (which is printed on every package) that in case this gopher poison does not prove satisfactory after same is used in accordance with directions this Company will refund direct to the purchaser the amount paid for it. The element of danger in the handling of noison is eliminated to a large extent in "KILL-EM-QUICK" as it is convenient and ready-to-use. "KILL-EM-

QUICK" kills gophers, squirrels, field mice, ground hogs, rats, mice, wolves, coyotes rabbits and badgers. Two sizes, 75c. and \$1.25 per package.

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SOLD BY DRUGGISTS AND DRUG DEALERS. If not carried in stock, accept no other, but have it ordered for you. If unobtainable, The Bole Drug Company (jobbers) Winnipeg, Man., will send same prepaid upon receipt of price. All inquiries for information should be addressed to the



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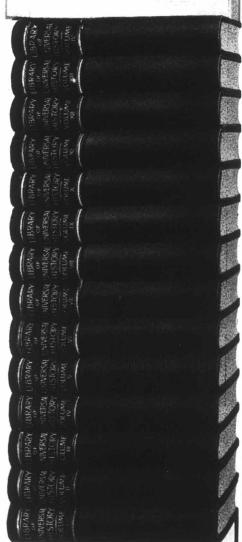
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