



u have r roofs. rst step nodern. ould be. e inside ver the h steel. every his way:

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## s Safe

st economirive better they were arn. This inish, keeps the animal d feed-bills and over. to put on; ding's very

all, it-with the roof-



REGISTERED IN ACCORDANCE WITH COPYRIGHT ACT 1875

Vol. XLVI

WINNIPEG, CANADA, JUNE 8, 1910

No. 924

CRFA order to realize just why The upper edges of the wings, whence it is led Capital Cream Separator gets more cream from a given quality of milk

WHY THE CAPITAL

GETS 999/1000 OF

than any other type of separator anywhere-why its loss of butterfat is less than one-fifth the average loss of machines of all other makes-

one has only to study the wonderful wing-

The Capital, as against the comparatively crude me-

wonder is it was not inmerely a number of curved wings of thin, tough steel. all heavily tinned and with all the flanges locked to one

washing it !

ber about this wing-cylinder; first, that it gets 999 1000 of all the butter-fat The way The Capital gets all the butter-fat is this : As the whole milk enters the revolving bowl, it is instantly whirled between the wings in a perfect mul-

The

EPARATOR

apila

direct to the point of exit; the heavier skim milk, freed of all the butter-fat that any process can get out of it, falls. naturally, to the wings' lower edges, flows thence to the bowl's wall, and from there travels in a straight line to the discharge

Notice how directly both the cream and the skim leave the machine as soon as they are separated. The whole process is complete in one, single operation—a stateonly of The Capital Cream Separator. ment can be made of no no machine that uses perforated cones, regardless of their size or number There is no re-mixing and re-separating with The Capital.

What this means in labor is easy to calculatestand the cream it saves. The difference in favor of The Capital is the difference between a loss 41 ounces of butter

"HIS book, "Turning Milk Into Money," is worth money-stands for dollars in the pocket-to any man who is in the business of dairy farming for profit. The aim of this book is to point out to the intelligent dairyman the methods by which he can realize as high a percentage of profit as possible upon his fixed capital. The story of The Capital is told in the book, of course. But it is told only from the standpoint of increased revenue-in the light of helping to make your business a payer of greater dividends. We believe that if we can make more farmers realize how great are the profits of the lairying business, when it is worked right, that more farmers will go into dairy farming, and that we will have a wider market. And it is with the object of making the practical, level-headed man realize these facts, that "Turning Milk Into Money" was written Do you want to read it ?

## THE COUPON BRINGS YOU ONE COPY OF THE **BOOK FREE** USE IT

Sign your name and address to the coupon, address it to our branch nearest you, and send it in today. The book will go to you postage paid and without charge by return mail. Then when you get it go through it carefully, study its contents, page by page, and after you have read it put into execution the suggestions it offers. Do this and you will find it will help you in "Turning Milk Into Money." Don't put it off; fill out the coupon and send it now. Get your copy as soon as you can. for the edition is limited. Remember, this puts you under no obligation. If you are interested, we want to send you "Turning Milk Into Money.

oof against ry kind of lightning.

arizing or your free t No. 5, ask other Pedlar you samples rations; and 1 Shingle as





titude of exceedingly thin films; centrifugal tant, which we will be glad to tell you force at once sends the lighter contents of if you will only ask us. Will you WRITE the milk—the cream or butter-fat—to the us about it?

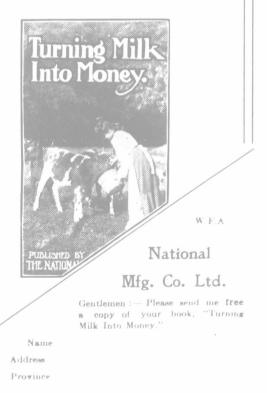


cylinder Capital Cream Separator—the separator—that gets 999/1000 of all the butter-fat.

in every 500 lbs. of whole milk, and a loss of only 8-10 of one ounce in the same quantity of whole milk.

But this is only a single point about The Capital. There are other facts, fully as impor-

NATIONAL MFG. LIMITED HEAD OFFICE : OTTAWA FACTORIES: OTTAWA AND BROCKVILLE BRANCHES: REGINA, SASK. EDMONTON, ALTA .; MONCTON, N.B.



THE FAULTLESS FLOUR MAKES PERFECT BREAD AND FROM THE HOUR THAT THIS IS SAID. WE DOCONTEND THAT YOU WILL SPEND YOUR DAY DEMANDING

1010

"But, manuma," explained one of the A London cabley, on looking into his

and all of us except Tommy are ship street, when he espied a police cont You'll tell her all the stor of your wrecked people calling for help." stable, and the following dialogue took varied household cares

"we are only playing theat call to see that all was in perfect order. When you have a friend to visit you, in discovered a dead cat on one of the Theatre<sup>277</sup> sents In his anger and rage he was You will tree to make her happy, and Yes; the scene is a storm at sea, about to throw the carcass into the on ll give her of your best;

THE COLD SPARE BED

Founded 1866

she be a welcome guest.

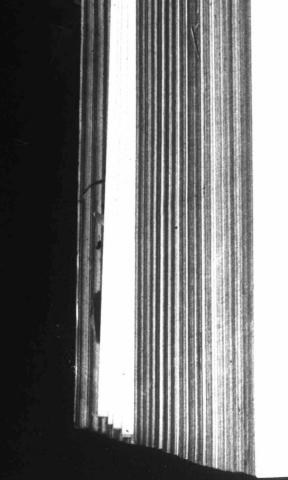
Wit and Humor

SEALOFALBERT THE FAULTLESS FLOU

FANCY PATENT FLOUR

98 LBS

\$38



Mr. Edison is still busy with his new storage battery which he claims will solve the traction question. In his experiments with these batteries Mr. "And what is Tommy doing?" the Edison has had men at work for years with a patience unparalleled. More than half a ton of reports on

More than half a ton or repart of the scenery and shricking experiments with batteries have been "Yes; he is the ocean shricking made. Two of his best men had to the teeth of the storm." Tit-bits with mark because of its unending \* \* \* give up the work because of its unending

give up the work receases or its uncoming monotony to save themselves from a nervous breakdown. The work was continued right and day for more than three years, and more than 9,000 experiments were made without obtaining the results which Mr Edison wanted. A visitor to whom this was told exclaimed. "Then all those experi

when Mr. Edison wanted. A visitor to whom this was told exclaimed. "Then all those experi-ments were practically wasted." "Not at all," and Mr. Edison, "T mow know 9,000 things not to do." "

The young ter had been constant to the nurery, and trict injunctions had been had upon them to "play a nice, quict game," It is the wordship of this wordship of the wordship of the wordship of the text wordship of the however, sound as effect to themset the right to change that wordship of the wordship of the text wordship of the text wordship of the the right to change that word to do But you seem with a dash of the text wordship of the text wordship of the the right to change that wordship of the text word

noise

-ked

"Tonny's the scenery" "The scenery!" "Yest he is the ocean shricking m

\* \* \*

Constable "What are you up to Your own adars: there ''' Vour own attairs, Cabby tholding up the cat. "This But whatever else you do, don't for is 'ow I am insulted. What am I To put that helpless woman in the cold to do with it ''' spare bed."

Constable "Surely you know what to do with it Take it straight to You may tell her of your troubles with Scotland Yard, and if it is not claimed you what 'I said'

The cook looked with surprise as she beheld the long white sticks. But Inshman travelling in France when they were carefully placed in the

within three months it becomes your And what 'she said,' and what 'I said, property You may talk of the servant question till the setting moon's last gleam. And begin next morning on the same old But regin next morning on the same old tiresome theme: But whatever else rou do, don't for meret's sake, le led To put that hat less woman in the cold, spare bed!

Yeet may tell her of your pains and aches and what the doctor said, challenged by a Frenchman ter water, she gave a choking gasp. challenged by a Frenchman ter water, she gave a choking gasp. ch and what the doctor said, and back and back and a drops and patent pills. on eaught the dread malaria, and on caught the dread malara, and had such awful chills: thore het, you man wear; het, till she wishes she were deal, merc is sake, don't put her in the cold spare bed! New England Farmer



MANUFACTURERS

Winnipeg

Canada.

D SPARE BED friend to visit you, in take her happy, and Il the stor of your

Our success with popular-priced wheels last year encouraged us to plan for still better quality and value this season, with nothing in sight to nearly approach their construction and equipment for the money. What we offer

839



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We are prepared to double that amount this year. How much of this are YOU going to get?

840

Have you any CREAM, EGGS or BUTTER to sell?

Write us at once and we will make you a proposition. Do it to-day ADDRESS The Brandon Creamery & Supply Co., Ltd. Bex 2310 BRANDON, MANITOBA

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quirements. So we ask you to send for samples. Choose the style you decide exactly meets the requirements of your par-

**Brantford Roofing** 

ticular job. Then you are sure of satisfaction.

VILOURIN MODSE JAW SASK

SELIES. ROBIN HOOD

saturation is 99 per cent. pure. So called "Trinidad" Asphalt is only about 45 per cent. pure. We spare no expense in the

making of Brantford Roofing. It is the highest grade roofing on the market to-day. If you want that kind of a roofing look for rolls bearing the trademark shown below.





# FARMER'S ADVOCATE AND HOME JOURNAL

REGISTERED IN ACCORDANCE WITH THE COPYRIGHT ACT OF 1875

Vol. XLVI.

#### Winnipeg, Canada, June 8, 1910

FARMER'S ADVOCATE AND

HOME JOURNAL ESTABLISHED 1866

Canada's Foremost Agricultural Journal Published Every Wednesday.

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GIVIDUAL. FARMER'S ADVOCATE OF WINNIFEG, LIMITED, 14-16 PRINCESS ST., WINNIFEG, MAN.

# EDITORIAL

#### Cleaning Up

A garden rake and a few matches can be of great service in spring and early summer Chicago, \$9.25 to \$9.55. in getting rid of unsightly rubbish that has accrued during the preceding ten or twelve months. The man who is proud of his home takes every precaution to clean up at as early a date as possible every spring. He also keeps hogs are concerned the Winnipeg market is an Those who exaggerate the possibilities of imthings tidy throughout the season.

This periodic clean-up does much to impossible opportunity is afforded to get rid of very much increased interest in hog producweeds before they have gone to seed. Gather with the rake and use a match.

#### Small Frogs in Big Puddles

faith. As a rule, they hold office for a term what grain would be worth per bushel marketof years and retire only when the public, or ed in the form of \$10.75 per hundred live pork. those under them in office, have been injured It is calculated that 472 pounds of oats, 452 beyond remedy.

The trouble is that the mass of the people produce 100 pounds of pork. have not always a say in appointments in which they are largely interested. Perhaps it is well that this is so. However, it is also ing men to high offices.

effect as drags on the wheels of progress and reasonable. the injury to the country.

#### Figure Out the Hog Business

At Toronto the same week, top prices for hogs population. off cars was \$9.90; at Montreal, \$10.00; at

open and competitive one.

prove the home surroundings. It also assists time, but it is doubtful if, up to the present, keep up." in avoiding weed pests in so far as the best these record-making prices have stimulated

Last week's reference to "big frogs in small when the general cry was "Get out of hogs!" into the hog business," writes a breeder in naturally causes the mind to drift To add to the probable future shortage, there Manitoba. And it was only a year and a half to the thought that there are also too many has been a high mortality in this spring's ago that a breeder in one of these provinces small frogs in big puddles-and it must be litters. With the brood sows being sold as told us he was going to shoot off his breeding admitted that although the latter are perhaps formerly and large numbers of young pigs dy- stock and quit the business, because purebred less plentiful they are considerably more ing off, where is next year's supply of pork to hogs were in no demand, and he couldn't get better than pork prices for what he was dangerous. The big frog in a small puddle come from ?

pounds of wheat or 418 pounds of barley will

No. 924

#### Our Untapped Resources

English newspapers have had interesting true that sufficient care is not taken in appoint- comments on what they consider to be an

order of the Canadian government, stating There are too many small frogs in big pud- that no assisted emigrant may land in Canada, dles-and they frequently make themselves unless he is suited for farm work and has a offensive to those under them, who have in- farm job procured for him. Some of these finitely greater talents, to say nothing of their comments have been rather caustic; others very

The Daily News of London says :

" Canada is an immense country, with immense untapped resources, but neither Can-

Hogs weighed off cars sold at Winnipeg ada nor any other immense and resourceful last week for \$11.00 per hundred ; one or two British colony can swallow artisan immiloads went at this figure ; 426 out of about grants at an unlimited rate. Primarily, Can-700 received sold at \$10.75 ; some two hundred ada is an agricultural country, and a large agriodd sold at \$10.50; the light ones, culls, stags cultural development is the necessary preand old sows shaded down to lower values. liminary to any other large development of her

"It is not for us to teach the Canadian government its business. The fault is, indeed, These figures illustrate two facts : Hog sup- not a little on our side. What is wrong is a plies are short here, shorter than in any other policy of permitting social evils to grow at section of the continent; buyers are meeting home in the confident expectation that we can sellers in a spirit of fairness and so far as dump their results on the colonies. . . . migration forget that the colonies are each of High hog prices have been the order for some them nations with ends of their own to

#### Stick to the Hog

tion. Hogs have been high for more than a "Stop my advertisement. I'm all sold out year now, and seemingly as large a proportion of of pigs; in fact, I think I'm oversold," writes brood sows are finding their way to market as a prominent swine breeder in Saskatchewan. was the case in periods of price depression, "Never had such demand for stock since I went



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# Three

g, because it is t all roofing reles. Choose the



its of your par-

we use for the 9 per cent. pure. nidad" Asphalt is )er cent. pure.

) expense in the ntford Roofing. It grade roofing on day. If you want roofing look for the trademark 20



**DA** n Bldg., Market St. East. Seymour St.

as a rule deceives only himself, but the small This question is worth pondering. This raising. So he went out of business, and now frog in the big puddle, posing, as he does, as country has sold itself short of hogs and ap- in a bare eighteen months purebred hogs are in a leader of men, and one whose advice should parently doesn't know it. The time for the such demand that breeders are hard pressed producer to act in the matter is now. Keep to supply it. All of which proves more than be followed, is a menace to society. Agriculture today is troubled with a supera- the brood sows ; turn some females of good that it doesn't pay to shoot breeding stock

bundance of these impostors. Some of them type into the breeding ranks; use a pure-bred merely because pork prices are a little low. find their way, by hook or by crook, into boar of recognized merit, and remember that It is the man who sticks that wins.

the most prominent and the most responsible at present prices for grain, hogs may be pro- This fact holds. It is because a lot of offices in the gift of the state. Some of them duced at a cost of 5 cents per pound live weight, farmers sold off their breeding stock that are so small that they do not realize their while the spring litters, if proper provision is purebred hogs are in such active demand at own littleness. They therefore pose as cap- made for summer pasturage, should be raised present. When enough of those who quit the tains of agriculture, and the average individual, at considerably lower cost than if the ration hog business in disgust a few years ago are back into it again, and pork production is again not being acquainted with all the facts, ac- were all grain.

cepts their suggestions and advice in good Figure out this hog business; find out on a normal basis, pork values will naturally

decline some, though it is difficult to see how they may be reduced to the level of the last low price era. It may be expected then that = the same performance will be indulged in, farmers selling off their brood sows and breeders talking about shooting off their purebreds. All because a little overproduction has unsettled values. And again the man who sticks various tracks in America, and after Mr. Miller, A good many veterinary college graduates are will be the one to win. It has been the history of anti-gambling bill fame, had succeeded in in- ready to accept government positions at less than of hog raising in this country that those who ducing parliament to substitute in part for section postmen's salaries, for reasons that seem good stick to it make money, but those who are out one is guilty of an indictable offence, and liable to those that force graduates of agricultural one year and in the next are seldom any to one year's imprisonment and to a fine not ex- colleges to go in for some line of work in which further ahead. For when they are going ceeding one thousand dollars, who advertises, the remuneration is meagre as compared with out, others are similarly minded, and their prints, publishes, posts up, sells or supplies, or what they should earn were they to apply their going in again usually coincides with a general offers to sell or supply, any information intended ability and training to practical agriculture; reastampede for breeding stock. Consequently book-making, pool-selling, betting or wagering tistry or of medicine to work for a wage little they are buying at the top and selling at the upon any horse race or other race, fight, game or better than a postman's salary, sometimes not bottom all the time. No wonder there isn't sport, whether at the time of advertising, print- as good. It takes money, nerve and some busiany money in hogs for them. Stick to the ing, publishing, exhibiting, posting up or supply- ness ability to establish a practice in any line of hog business. It pays in the long run.

#### Money Wasted on Roads

gave some idea as to how road building should forcing of certain parts of the Miller Bill. That fact that a dentist starts working in another be managed or supervised. To many, the opinion pretty nearly equally divided with re- is proof that there is no money in dentistry, or thought of wasted time at statute labor re- spect to its merits. In the form in which the that the fact that an agricultural college graduate turns. There are few localities in which, at one Commons adopted it it contains many excellent hires himself out for about the same wage is proof time or another, men have not simply "put in provisions. It should put a stop to many of the that there is no money in farming. Men in all time." Those who have not worked at half flagrant abuses that have grown up around horse- lines of work do these things because they have speed have been engaged at more or less use-to win public confidence and support. The salary than try to establish a business or pracless work—many have experienced both.

building or road repairing may not be caused endeavors to make the racing sport clean, but by the adoption of the statute labor system. It is, however, due to the fact that seldom given in these amendments to the criminal code, is rather more difficult to explain. We doubt if is a capable road superintendent available. to the end that news and information on horse- some who have gone through the experience could Too many forget that work on highways is a racing may not be published in the newspapers. explain exactly why they did it. However, that science and that it requires more than the Miller Bill enthusiasts and those who have at is no proof either that money is not to be made annual expenditure of the time of a given heart the weeding out of evils in connection in the practice of veterinary medicine; nor is it with horse-racing would be wise not to let their any reason why a man should not consider this number of men and teams. In many in- enthusiasm run away with their reason. There as a line of work. There are opportunities in the stances more time is allotted for statute labor are plenty of evils surrounding horse-racing, veterinary profession for any young man who

given the matter careful thought that all road ling bill, and if Mr. Miller's measure is to secure time. As to the social status of the veterinarian, construction and maintenance should be under selves with enforcing it should steer as clear as has been, and probably always will be, a lot of the supervision of a district superintendent, they can of any semblance of seeming to dictate snobbery in the world, and one man will always who in turn should act according to suggestions moral conduct to the public. The public will consider that his work in life entitles him to from a provincial road commissioner. Not stand for most of the provisions of the Miller Bill, social preferment that is denied another; but only will he be able to do more satisfactory work, but also he will use men and teams to advantage.

# HORSE

#### Observations on Horse Subjects

because they have been publishing results of the position afforded by the veterinary profession---horse races pulled off from day to day on the knows or imagines he knows, probably the latter. 235 of the criminal code, the following: "Every- and sufficient to themselves; reasons very similar to assist in or intended for use in connection with sons similar to those that force a doctor of dening such news or information, such horse race or professional work, and if a man is short on any

not taken place." In enforcing the measure can of his talents, even sell them to the governright to the letter those behind the anti- ment to be employed in inspecting carcasses in a A perusal of letters that appeared in these racing movement are certainly within their slaughter house for seventy-five dollars a month. columns recently, dealing with the construc- rights, but it seems to us that it would be the All of which is no proof that there is no money tion of satisfactory road-beds across sloughs, part of wisdom not to be overzealous in the en- in the veterinary profession, any more than the measure went through parliament with public practitioner's office for twenty dollars a week racing in recent years. But to be efficient it has to, or because they would rather work on small better class of the Canadian people will stand tice of their own.

This lack of satisfactory results in road behind Mr. Miller and his confreres in their we are not so certain the people are as ready to ernment jobs and give up lucrative practices for back them up if they attempt to use the powers the privilege of occupying an official position than is called for by the condition of the road. which they could direct their energies in putting will go in for it unobsessed with the idea that his It is evident, therefore, to anyone who has a stop to, under the provisions of this anti-gamb- work will be a sort of pink-tea affair most of the the results expected of it those who charge them- that is hardly worth considering. There always but they will not stand for its being made a neither Practitioner, if he has the individual nuisance of.

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University closed out her veterinary department some years ago. It was the institution's sister university in Montreal that we had in mind when penning our observations of a few weeks since. Practitioner evidently knows something of the Several Toronto newspapers are in trouble opportunities to win worldly wealth and social other race, fight, game or sport, has or has one or on all three he will have to make what he

# Why veterinarians should hanker after govqualities that make his social recognition worth while, nor any other member of the profession Practitioner is correct in stating that McGill similarly qualified, need pass sleepless nights worrying over the fact that their business bars them from participation in the frivolities of what

842





HAVENEY STALLION IN HARNESS

ety fondly terms the elite. It isn't worth while. The man who goes into the veterinary profession with qualities that will win success and habits of life that are decent need have no fears of making either a financial or social failure. If he hasn't got them he is wise to choose work that earns even less than postman's wages. EQUITANT.

\* \* \*

An English breeder writing in the London Live Stock Journal states that his experience has proved that Shire fillies, which have been thoroughly well fed and cared for, may be put to the stallion at two years old with very satisfactory results, as instances of winners breeding winners could be mentioned. Owing to the growth of the show system the young stock of most breeders are fed with a view to getting big animals, consequently the two-year-olds of to-day are bigger and more developed than the three-year-olds of twenty years ago and quite as well able to breed. There is, however, one precaution which he considers necessary to take before a three-year-old gets heavy with her first foal, and that is to see that she learns to work, or she may become difficult to manage.

v department ution's sister in mind when weeks since. thing of the th and social profession--bly the latter. graduates are is at less than it seem good s very similar f agricultural vork in which ompared with to apply their riculture; readoctor of dena wage little ometimes not nd some busiin any line of ; short on any make what he to the governcarcasses in a ollars a month. 'e is no money more than the ng in another lollars a week n dentistry, or ollege graduate le wage is proof g. Men in all ause they have work on small siness or prac-

iker after govve practices for official position We doubt if xperience could However, that not to be made dicine: nor is it ot consider this ortunities in the oung man who he idea that his fair most of the he veterinarian, There always will be, a lot of man will always entitles him to d another; but the individual cognition worth f the profession sleepless nights ir business bars ivolities of what It isn't worth

) the veterinary ill win success it need have no or social failure. to choose work n's wages. EQUITANT.

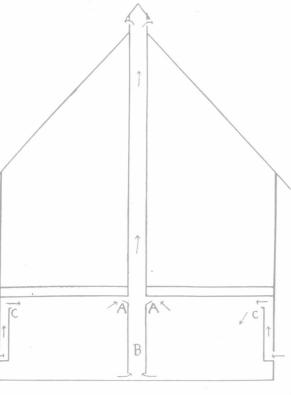
### FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

#### Ventilating Horse Stable

#### EDITOR FARMER'S ADVOCATE :

June 8, 1910

holes at each corner on the outside close to the it will probably be found best to keep them closed sheds for shelter. ground and leave an opening above, close to the in winter, leaving the outtake open at the botjoists. Would it be better to have outlet shaft tom, only, to draw the cooler, fouler air from near run up the side from within two feet of the the floor. ground floor, and out through the roof above The intake flues, C, C, may be built into the



A SIMPLE FORM OF THE KING VENTILATOR

Kindly give the views of any person on the sys- eaves. tem of ventilating and oblige

Sask. HARRY DUCIE. The accompanying sketch, adapted from the drawing sent in, shows the most simple method of ventilating a horse stable along the line of your own suggestion. B is the outlet shaft, the most important part in any system of ventilation. It should extend from within a foot of the ground floor to above the peak of the roof. Do not run it up the side and out at the eave. The trict, has been recognized in Manitoba as a suc- if a ewe suckling a lamb it is well to continue the outlet shaft serves the same function in a ventila- cessful cattle feeder. In that time he never grain, even if the grass is good, though often they tion system as a chimney does in a heating sys- had less than 70 animals for winter feeding. Dur- do not care for grain for some time after the tem. It has to draw off the impure air, and the ing the winter just gone he fed 95. This lot in- grass comes. In winter I feed oat sheaf, or oats chimney draws off the products of combustion. cluded 82 steers and 13 heifers, most of them of and bran. I am not in favor of feeding barley To work best it should be constructed similarly Shorthorn breeding. Some were bought last or wheat to breeding ewes. My experience is to a chimney, with walls as nearly air-tight October in Winnipeg Stock Yards, and others that it may be alright for the ewes, but the lambs possible, and carried out at the highest point of near Saltcoats, Sask. the building on which it is located. The longer Feeding began November 1, and the animals to eat a little oats and bran. They will soon the outlet shaft, and the more tightly it is con- were sold March 17. In the 137 days the aver- learn if a corner is fenced off, leaving small openstructed, the greater will be the draft, and the age weight increased from 1,125 to 1,358 pounds. ings that will allow them to pass through while more effective the system. In up-to-date sys- The selling price was \$5.60 per hundredweight preventing the old ones. If a shelf or shallow tems of ventilation it is usual to line this shaft at point of shipment. It does not require a trough is set about a foot from the ground with with galvanized iron. Another way to make shrewd financier to figure out a handsome profit a little grain sprinkled on it they will soon find the shaft as nearly air-tight as possible is to con- on the deal.

be as effective as on a cold, windy day.

the eave, or have a center shaft as shown in cut. wall in the manner shown, or direct openings may be left at the ceiling, if a stone or brick wall, openings being left just below the joists to admit the fresh air. Drain tiles set in the walls make a convenient inlet for the fresh air, but the system shown is to be preferred, for the reason that the warm air near the ceiling cannot be drawn out through the inlet flues when they are arranged in the manner shown. Have the outside opening at least three and one-half or four feet lower than the opening on the inside, and two feet or so above the surface of the ground. as the outtake, their function being merely to up. In this letter we will substitute two words. permit the cooler outside air to pass into the Perhaps they are not quite as comprehensive. stable under the force produced by the difference but they nearly fill the bill. The words are breed in temperature between outside and inside.

The above is a brief description of the King system of ventilation, as it might be applied in suit individual circumstances, but from the idea pected in the class in which it is to be shown. conveyed in the sketch submitted this style will if you wished, have the inlet flues discharge near in the show-ring. There are culls and scrubs, even walls, either carrying it up under the roof to that an animal with long pedigree and good inthe peak or running it straight up from the dividual ancestry is not up to the mark itself. eaves, to above the ridge board. Have the On the other hand, let the exhibitor remember sible to do so, and do not think the system can individual merit, there will be disappointment be made effective by having the outlet at the in the show-ring unless there has been proper

## STOCK

#### Almost One Hundred Steers

differences and the velocity of the wind, will cluded this was unprofitable. It was concluded that something must be done to fit the stock for a The traps marked A A in the sketch are open- long rail shipment. Outside feeding was the Enclosed find a rough sketch of the end view ings into the outtake shaft at the ceiling to per- remedy adopted. His feeding yard has timber of my stable. It is to be lined up inside with mit of the warm upper air being drawn off. protection and running streams. Where these tongue-and-grooved material. I intend cutting These may be used to advantage in summer, but conditions are not available Mr. Cook advises

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#### Chester White Pigs

Last week a reader with a desire to try his hand at raising hogs, enquired where he could purchase Chester Whites. This is simply another evidence that stockmen do not make sufficient use of agricultural papers in telling brother farmers what they have for sale. If you have Chester Whites or any other breed for sale it pays to advertise.

#### Fitting Sheep for Exhibition

#### EDITOR FARMER'S. ADVOCATE:

As soon as we begin to discuss live stock the The inlet flues do not need to be as tightly built question of "Heredity vs. Environment" comes and feed.

Let the intending exhibitor remember that it is necessary to start with an animal that comes this case. The system may be modified to reasonably well up to the standard of type ex-In other words, no matter how you feed, if your probably meet your requirements. You might, animal has not got breed you will be disappointed the center and run the outtake from the side in purebred animals, and it occasionally happens outtake discharge at the peak, if it is at all pos- that no matter how pure the breed, how good the care and feed for some time prior to show day.

It is well for the amateur exhibitor to bear in mind that, like charity, fat "hideth a multitude of deficiencies." On the other hand, remember that with breeding stock it is possible to get so much fat as to lessen the chances of success in breeding.

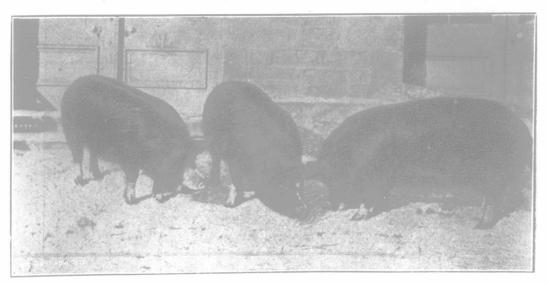
The sheep, to win at the summer show, must be kept in fair condition during the winter, fed For 15 years J. L. Cook, of the Newdale dis- some grain during spring till grass is good, and

will not be so strong or thrifty. Teach the lambs

in the London his experience which have been for, may be put with very satiswinners breeding Owing to the young stock of view to getting two-year-olds of reloped than the s ago and quite is, however, one necessary to take vy with her first learns to work,

as possible, for a shaft square or round offers the animals tied in a stable. However, he con- at night for a month or more before exhibition the minimum friction to the upward passage of the air. Have the shaft of uniform size from top to bottom and carry it out above the peak. If the stable is any size you will need two outlets; for a small stable, one is sufficient. The size of the stable and the number of animals it is to accommodate, not being given, it is impossible to estimate the size of the shaft. But figure the area of the cross-section of the outlet equal to the combined areas of the cross-sections of the inlet shafts and you will have the correct balance between the two. Outtakes and intakes should provide 30 square inches per head when the outtake has a height of 30 feet. If the outtake is shorter, the area should be greater; if higher it may be less. This will give a fairly accurate rule to follow, though it must be remembered that the rate of inflow and outflow of air is effected by the range between inside and outside temperatures, as well as by the wind. On a calm warm day no system of ventilation the operation of which depends on temperature

it. I have never found a lamb injure itself by struct it of two-ply matched lumber with build- For four years in the beginning of Mr. Cook's eating too much oats or bran. ing paper between. Make it as nearly square cattle feeding experience in the West he kept It will be an advantage to bring the sheep in



MONEY IS BEING MADE FROM THIS KIND.

wise they will fail when taken away.

come early, prizes may be taken with the ewe agricultural purple. He was interested in agri- most uncongenial. I see you have had frosts and also with her lamb; but if she is a good milker culture in all its branches, and his visits to show- in Alberta, with threatened, if not realized, loss of you must crowd her near the danger point, must yards, like those of the Royal, the Highland, winter wheat. This will be an unfortunate experiforce her so that she will be in proper order, and and the Smithfield Club, were not mere per- ence for the new settlers, and some of them may often it would be the wiser plan to dry her early functory outings. He looked at everything, lament the change they made. However, all will and give the lamb to a foster-mother.

a good deal on how they are trimmed. It is he did what no royal visitor had ever before atbest to trim some weeks before the exhibition. tempted ; he ascended the stairs and inspected shire cattle is unusually brisk. Seldom have so I consider a half-pint of oats twice a day good the implement and produce stands which crowd many horses been exported at this early season of grain rations for a sheep-a pint twice a day, the galleries. His own successes with cattle, the year. Ayrshires, with the advent of publiclyheavy feed.

T. R. Todd.

#### Our Scottish Letter

Only one subject at this date (May 14th) engages men's thoughts here-the death of King Edward VII. The end came so suddenly that few quite realized the fact, and only now, as new arrangements are being made, do we begin to know how great the loss has been. King Edward had many kingly qualifications. His occupancy of the throne was comparatively short. Scarcely one decade was given to him whose august mother held the seat for six decades. Hers was a wonderful reign in respect of all that was crowded into it of advance in science, art, trade, politics and religion. The Victorian era, like the Elizabethan era, in British history, was a time of phenomenal progress and striking national growth. Names among the greatest in all departments of human knowledge flourished in these reigns, and he would be bold who would seek to appraise the value of the two eras to the human race. But during his short reign of scarce ten years Edward VII. did much. He added fresh lustre to the British throne by his liberal interpretation of the meaning of "constitutional monarchy." He was essentially a democratic ruler, and it would be interesting to trace the influences which went to the making of his character in that regard. The fact that he favored Gladstone and Campbell-Bannerman, and disliked Salisbury, among statesmen, is suggestive. He had a keen sense of justice and equity, and was as far as possible removed from the attitude of the French monarch who, when asked about the people, said: "Let them eat grass." It is reported that when the Boer war was nearing its sad close, he said: "The Boers are gentlemen-let us treat them as such." His commanding characteristic was tact, and in respect of consideration for those under him, King Edward VII. was in the best sense of the term a thorough gentleman.

time, so as to have them take their grain; and it father and mother he inherited a love of rural changed places with March, and between cold east is well to keep them in part of the day as ex- pursuits. The lamented Prince Consort, hus- winds, heavy rains, snowstorms, frosts and what hibition time draws near, thus training them to band of Queen Victoria, was a farmer—far in ad- not, it was difficult to believe that the year was eat more dry feed, so the change will not be so vance of his time; a stock-breeder, and a patron not a month younger than the calendar proved it sudden when they are taken away from home of agricultural development in every form. to be. Now we have had about a fortnight of and also that the flesh will be hardened; other- Queen Victoria's grandfather, old George III., a May to whose lap winter has undoubtedly linwas known as Farmer George, and the late King gered. One day we have had of delightful sum-

and asked about everything. On his last visit come right in time, and we will see good har-The appearance of sheep in the ring depends to the Smithfield Club Show, in December, 1909, vests and plenty of food for man and beast.

> horses, sheep and pigs were always pleasant to kept milk records, are coming to their own, and him. He never won when he did not deserve to Robert R. Ness, of Howick, Quebec, has taken win, and he always delighted to be fairly beaten. away a most valuable shipment, while other pur-His Shorthorn herd at Windsor would rank next chasers have been much in evidence. Nothing to that at Collynie in respect of the quality of has done more to deepen the belief of the Canadian the stock bred and reared there. The royal farmer in the Ayrshire than the system of public family were splendidly served by their stewards. milk records. The class of cow most likely to The late Henry Tait, an Angus man, was ap- build up a milk record has been more in favor pointed by the Prince Consort to manage the this year at the spring shows. At Kilmarnock. Shaw and Flemish farms at Windsor. He was Ayr and Glasgow we had first-rate displays of succeeded by his son, William Tait, who only died dairy cattle-big, roomy cows, with bags and a few years ago, leaving no one of his own family teats that suggested quantity of milk and easy to succeed him. King Edward VII. appointed to extraction of the same. The championship at the honorable post a young Scotsman, William Kilmarnock for the best female Ayrshire was McWilliam, son of J. McWilliam, Stoneytown, awarded to the first prize two-year-old heifer. Keith and Garbity, Fochabers, and under his This was an unprecedented result, and those skillful management the royal farms and herds responsible for it are to be congratulated on their have continued to hold their own against all- courage. A few years ago such an award would comers. At these farms the King bred Short- have been impossible. horns, Herefords and Devons. At his own seat, So far as Clydesdales are concerned, this has Sandringham, in Norfolk, he bred Shorthorns, been a year of triumph for young stock. At Kil-Southdowns, Thoroughbreds, Shires and Hack- marnock the female championship went to a yearneys. He always had a large collection of High- ling filly by Baron o' Buchlyvie (11263), the stallanders in the parks and policies at Sandringham, lion concerning whose ownership a case is pending and at his Aberdeenshire farm of Abergeldie in the courts. He is breeding splendid stock, and Mains, in the Ballater district, he bred Aber- is quite easily the best breeding horse of the day, deen-Angus cattle and Clydesdales. The Prince apart, possibly, from his sire, Baron's Pride and Consort founded a Clydesdale stud at Windsor, Hiawatha. It is dangerous to prophesy what and Clydesdales have always been kept there. the finals may be; the present would indicate Of the royal successes on the turf, enough will possible supremacy for Baron o' Buchlyvie against be said by others. King Edward VII. was a all-comers. The weight of years is beginning thorough Englishman in his love for racing, and to tell on the older sires, and a good return may it is said one of the proudest moments of his life be looked for in favor of the younger horses. Mr. was when he led in Persimmon after he had won Kilpatrick's Oyama, a Cawdor-cup winner, is the Derby. The owner of four such racing not- promising well, and Scottish Crest, the champion ables as Florizel, Diamond Jubilee, Persimmon as a two-year-old at the H. & A. S. Show at and Minoru had no reason to be dissatisfied with Peebles in 1906, is promising to rank among the his luck on the turf. Doubtless, the proletariat foremost. He is a son of Baron's Pride, and his loved King Edward VII. because of his sporting own brother is somewhere in Canada. proclivities. It made them feel that he was human like themselves.

But those engaged in agriculture had a special the past month. March gave us one of the best of Shorthorns, but the greatest advance in quality nterest in the late monarch. From both his seed-times on record. April seemed to have was seen in the Aberdeen-Angus cattle. The

If one has time and patience and the lambs Edward VII. was thus, as it were, born in the mer weather, but generally it has been cold and

The export trade in Clydesdale horses and Avr-

#### PROSPERITY IN IRELAND

Ireland is flourishing agriculturally. The annual spring. show at Dublin was this year an un-The weather has been a trying problem during qualified success. There was a very large entry Hereford is bred in some parts of Ireland, and in grazing cattle they are not easily beaten. Short-

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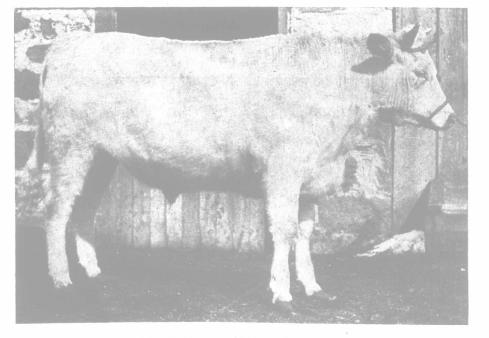
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horns, however, hold the field, and throughout the length and breadth of the island they hold sway. A great i provement has taken place in the average merit of Irish cattle during the past decade. The system of distributing premium bulls has been a notable influence for good in this direction. The quality of the stock has impressed the British feeder, who finds himself now in possession of cattle<sup>\*</sup> which respond more rapidly than used to be the case to the better "keep" bestowed upon them in Great Britain. Irish cattle are not too kindly treated on their way to the British market. They have to submit to much hard usage, and often bear marks of severe handling, as they are driven from fair to fair, until they are shipped at the numerous ports which dot the coasts of Ireland. The chief ports for the Clyde and Mersey are Dublin, Belfast and Derry. Cattle are also shipped from Limerick, on the Shannon, and Cork, on the Lea, and the traffic between Great Britain and Ireland can best be estimated by those who watch the sailing of the great channel steamers every night from Belfast and Dublin. Eight or nine of these are constantly on the move.

BROUGHT OVER \$100 AT 12 MONTHS This grade Shorthorn steer on Toronto market brought 101 cents. His weight at 12 months of age was 1120 pounds and he dressed out 65 per cent. and there can be no doubt that all this indicates



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considerable prosperity in the Emerald Isle Advanced agriculture is receiving increased attention on both sides of the Atlantic. The increasing number of training colleges and farms, and the extended equipment of these point to a great advance in knowledge on the part of the next generation of farmers.

old Scots' idea of education was: "Train the which it would be well to have discussion. moral nature, and you cannot but train the in- This notice appears under the "Farm" departscience. My ideas may be out-of-date, but contributors. let me give them vogue : Educate the conthe significance and greatness of moral dis- them in to avoid damage to crops. tinctions, and the brain will be educated in the

Here we are receiving from politicians many things that we never asked. We are to be developed agriculturally by gentlemen who are called ity has been constituted to look after our highmotor-car and motor traffic of every kind. The either party. purpose is to make roads safe and comfortable with a red lamp, so as to prevent his sheep being maimed by the modern Juggernaut car. The agriculturist does not count for much in the road battle. He pays his taxes, his road rates, and everything that is charged against him. He is an

ing its descent into the abyss.

of rates to pay than hitherto. "SCOTLAND YET.

important bearing on success with a litter, and ous kinds of fence. As to whether it is cheaper feet deep. Space the posts with chalk the same weight in her purchase. In making a selection the teats should be examined to discover that there are a dozen, well-formed, not too small or obscure, and giving indications of supplying abundant milk. - From Coburn's Swine in America.

## FARM

#### Topics for Discussion

In recognition of the fact that valuable hints The report of the Macdonald College at Ste. always are obtained from men engaged in actual thing of a pull to stretch sixty or a hundred rods Anne de Bellevue, Que., has just come to hand. farm work The FARMER'S ADVOCATE has adopted As one reads of its many-sided activities he mar-the "Topics for Discussion" column, in order that vels whereunto this thing will grow. Training our readers may see an open channel through in the family seems almost at a discount, and one which they may inform their brother farmers wonders whether, with it all, the next genera- as to practices that are worth adopting and warn tion will be better mothers than those whom we them against methods that prove unprofitable. have known. I cherish a wholesome skepticism Not only do we wish our readers to discuss the on the point, because I do not think any training topics announced for the various issues, but also EDITOR FARMER'S ADVOCATE : so develops the intellect as moral training. The we desire that they suggest practical subjects on

tellect." The modern theory is: "Train the eye, ment, but the questions dealt with cover all the brain, the head ; let the conscience go as it branches of the farming industry. Letters should pleases." The end of this may be a smart race; not exceed 600 words and should reach this office it will not be a strong race. The only race 10 days previous to the date of issue. They are that abides is the race that is strong in the read carefully and a first prize of \$3.00 and a moral virtues, and all the deftness of hand that second prize of \$2.00 awarded each week. Other one may acquire will never educate the con- letters used will be paid for at regular rates to

June 15.—Give directions for handling a flock science, gentlemen. Show the youth of Canada of hens in summer when it is necessary to close

June 22.—Describe how to build an implement process. The most nimble race in Europe is the shed. Particularize as to dimensions of a buildleast moral, and its greatest teachers are declar- ing to house the implements on an average sized farm; state where you would locate it, how you would build it, and what would be the probable

Iune 29.—What do you consider to be the farmer's Development Commissioners, and a new author- place in politics ? How can he best use his influence for the good of agriculturists in particular ways. Its title is the Road Board. The chief and the people in general? Please do not discuss end of this board is to demonstrate and provide the parties now striving for power or the relationfor the supremacy on our public highways of the ships of certain organizations to the policies of

July 6.-What advice have you to offer on cutfor the motorists. The man in charge of cattle ting and curing hay? At what stage of maturity and sheep must look after himself. In all prob- do you advise cutting grasses or clovers with which ability he will be condemned to send one in front you have had experience, and how can they best be made ready for and put into stack or mow ?

#### Building Farm Fences

the the one standing first is a description of wire last of all.

and weave in uprights after, that is a matter majority of farmers would find the factory-made woven fence better than anything they could weave on their own posts, and in our experience quite as easily put up as the single wire stretched and woven on the posts. It may require someof woven fencing, say six or eight wires high, but stretchers can be procured that will tighten up the whole length, with the application of such power as can be applied to a lever with one

#### Fence-Making Suggestions

To build a suitable fence for the prairie first strike out your line; second, plant the corner posts in their respective places, always bearing in mind that a well planted corner is half the

To make a good corner set the post at least two feet eight inches deep. Pack it in with stone from the bottom of the hole to surface of ground. The second post should be set as carefully as first and thirteen feet from it. All first and second posts should be not less than six inches in diameter.

Brace the first post by running a brace at least  $4 \ge 4$  from the top of the end post to the second post at the surface of the ground. The brace should be about 14 feet in length. A six-inch tamarac pole makes a good brace, if one can be secured. Twist a double wire from the top of the second post to the ground line on the first and " the corner is complete. Always build an end post at least every half mile.

After the corners are all planted, load the wire into the wagon, placing three reels on a bar which is chained across the very hind end of the wagon box. Loosen the end of the wire from one reel, fastening the end to the first post, 48 inches from the ground. Fasten the wire from the second reel in like manner 33 inches from the ground. Fasten the wire from the third reel 18 inches from the ground, all wire to be fastened to the end post securely.

Drive the team in a direct line to the second corner, and, as you go, you will string your three wires along the fence row. At the second Some good practical points in fence-building corner tighten the top wire and fasten its corner are offered in the articles that follow. The neces- at the same height from the ground as on the first which usually falls to that patient and useful sity for good fences is every year becoming post. I use a block and tackle stretcher and animal. It is not easy to say what the end of more pressing on Western farms, and we are can stretch one-half mile at a time. The short all these changes will be, but meantime the pros- gradually drawing away from the era of barbed end, from the stretcher to the post, I stretch pect is that the farmer will have a heavier share wire. However, in awarding the prizes in this with a claw hammer. Stretch and space the competition we have felt that despite the fact second in a like manner, and fasten the lower

barbed wire fence-building, the amount of gen- Now build a three-legged stand or table three eral information it contains warrants us plac- feet in height with each leg  $2\frac{1}{2}$  feet apart, to Serenity, undisturbed by fretful restlessness, ing it in first place, although we are not by any drive posts from. String the posts along the line are characteristics of a good brood sow. Any means agreed that the barb wire fence is the fence one every 16 feet, and with an iron bar, punch breeder of experience will know just what is for the Western farm. Barb wire is the fence a hole in the ground every sixteen feet close to meant when it is said that a sow is "motherly," of the first generation of farmers, but those wire, and fill these holes with water as you make but the exact meaning is difficult to set down in who follow should find it necessary to construct them, then drive the posts, which have been words. This maternal manifestation has an more permanent, more useful, and less danger- pointed, one in each hole. Drive the posts  $2\frac{1}{2}$ 

old sway the averst decade. s has been tion. The ie British session of used to be wed upon e not too h market. sage, and s they are ;hipped at sts of Irend Mersey e are also inon, and een Great mated by it channel d Dublin. the move, s indicates

\* \* \*

Swine offer a greater opportunity for improvement and up-grading than any other class of live stock. There is no reason why any farmer raising hogs should have a herd of scrubs and mferior individuals. Starting with a pure-bred sire and continuing to use a sire of the same at little expense, a grade herd equal to purebreds animals increases so rapidly and none so readily retains acquired characteristics. Even when starting with an inferior lot of sows, a uniform herd can be developed, by using a good boar and each succeeding year rejecting all inferior animals from the breeding herd.

the dam's promise in this regard should have to buy woven fencing or stretch wire on the posts distance from ground as first corner mentioned.



Makes Grade Sixteen Feet

better roads throughout the country.

B. RAYMER.

wires as you go along.

ameter. If you are so situated that you cannot weave the stay wires at his convenience. The horses. get hard wood or tamarac, use poplar or Balm of posts of a woven fence need not be less than 35 No grade should be made less than 14 feet Gilead. These soft woods will last as long as feet apart, nor set more than  $2\frac{1}{2}$  feet in the ground. across top, though 16 feet is much better. This the best oak, provided you peel them and treat As for barbed wire, I have no use for it. them with the creosote treatment, the formula Alta. of which can be obtained from the government experimental stations.

The above will make an A1 cattle fence. If for sheep, use a band of 26-inch wire at the bottom EDITOR FARMER'S ADVOCATE: post. In building always fasten the top wire partment of public works in Saskatchewan and be a great deal cheaper in the end. first and so in order down to the woven wire. have certain rules and regulations for making As to handling men and teams circumstances of the ground.

A. L. DICKENS.

## Has No Use For Barb Wire

#### EDITOR FARMER'S ADVOCATE :

Alta.

The most important point in fence building the greater part of the summer. We got at it money expended can be made is the proper setting and bracing of the corner in a dry period late in summer, when there was and end posts. A corner or end post should but little water in it, but it was rather sticky be 9 feet long, and not less than 6 inches in in the centre. In the first place sufficient green diameter at the top end, set four feet in the willows and poplar were cut and laid across the

Staple the top wire on post; then wire the center has the advantage of the other that one can put rounding off the centre of the grade and levelling wire, and the bottom last. Fasten all three up a fence that will turn cattle or horses for half it generally, we had a pretty firm embankment. the amount of cash, and if he needs a better I had this grade stoned on the sides and fenced The posts should be at least four inches in di- fence all he needs to do is put on more wires and as it was a favorite watering spot for cattle and

> gives plenty of room, and the sides are not pressed out by heavy loads in wet weather, which is invariably the case with a narrow grade, tearing a deep rut on each side, which fills at the first rain, softening the whole road bed.

Culverts should be topped, if at all possible, with five No. 12 gauge crimped smooth wires Five years as a local improvement district with 3-inch plank and braces made of nothing above, finishing with a hog barbed wire on top, councillor entitles me, I think, to give an opinion less than 2 x 6, no matter how small the culvert making it fifty-two inches high, and you will have of road building across sloughs. Whether it is No less than five of these and more according a fence that will keep your sheep in as well as the best way or not is a matter of opinion. At to the length of culvert. I have never tried keep the covotes out. To make such a fence any rate I have had good results, and that is them, but I think that cement tile or metal culstiff, it should have three uprights between each what counts. The provincial government's de- verts will soon take the place of the wooden box

Place the bottom of woven wire within one inch such roads, which are hard to beat. If their vary according to the localities. I think that if plans were always carried out there would be a competent foreman can be procured, who will hire his teams and gang for the time in full in The best piece of road that I have had built which he has to do his work, it would do away was made four years ago, and it has given great with the stopping and changing of farmers' satisfaction. This was through a deep slough, teams coming on and going off irregularly. In with sloping banks, which generally held water this way the best show of work for the amount of

DRAG HARROW

### Five or Six-Inch Plowing

EDITOR FARMER'S ADVOCATE:

In summerfallowing disk the stubble as soon as possible after harvest to start growth of weeds and grain that has shelled. In order to make the best job, enough power should be put on the disks to haul two sections of lever harrows behind the disks, thus saving the maximum of moisture and time. Lever harrow permits of such slope of teeth that they are self-cleaning, and also help to pack the ground by their downward pressure. I find a six-horse team abreast is about the best for this work. Two horses walk on the plowed land and are changed to suit. Patches of grass should be plowed immediately after seeding, being careful to get well outside of the grass, turning the furrows to the right and thus avoiding burying any rootstock. Plow in any direction to suit the shape of the grass patch. Watch the weather for a dry spell and endeavor to plow just deep enough to get all the roots and turn them up on top, where the sun and wind will dry them. No harrow should be used here, the object being to dry out the soil and kill the grass. It will prevent the grass from seeding, which it does about July. I find this a very effective method of killing grass.

I prefer to plow five to six inches deep, with lever harrow drawing from frame of the gang plow. This gives a double stroke, the harrows There is only one time in which to destroy frost can be taken advantage of it is most effective reasoning. No 'cam' was allowed to turn over Four feet of boiling wire put on a chain about a

O



CEMENT IS USED FOR MANY PURPOSES. FOR FLOORING, STALLS AND MANGERS IT IS VERY DESIRABLE

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ground, with a cross piece morticed into the slough as a foundation, with tops lapping. This being four feet wide. A packer should be used back of the post about 6 inches from the bottom did not seem to please some of the teamsters as soon as possible. Plowing eight to nine inches end, and one on the front side just under and they did not go far enough, as it was cer- takes too much firming, is much heavier work surface of the ground. This one is better not tainly soft and sticky in the centre. We sent and gives too rank growth. The grain is theremorticed, as it would tend to weaken the post. for several loads of straw and put it about two fore too late in ripening. The second post should be set not more than 10 feet deep on top of the brush. This with a little feet from the end post. If set further away care in the first few dumps, soon remedied the weeds on plowed fallow. This is when they are the brace will spring on account of its extra trouble and the men had no more excuse for just coming out of the ground, and are threadlike length, and let the corner out of line. The kicking. It is a curious thing how a little mud and tender; a double stroke of the drag harrow brace should be set about 18 inches below the or water bothers some farmers when doing road- will destroy them. If the weeds are neglected top of the first post and at the ground on the work. Yet I have often seen some men drive and allowed to establish themselves you will second post, with a wire twisted from the bottom their horses in a slough to save pumping a little have a "Hobson's choice" of either allowing the water, and try to draw wheat when the wagon weeds to re-seed your land or of plowing again of the first post to top of the second.

I prefer single wires stretched and woven after sank to the hub. But, of course, there is a dif- and wasting your moisture. Biennials need the being put up, as single wires are much easier ference, as they say, between work, and just road cultivator to uproot them, and if a thin crust of handled by the average farmer, and the fence work.

looks better after it is up if on rolling land, as the The bottom of that grade was made 24 feet in assisting the cultivator in its work. If for stay wires will be straight, whereas in the ready- wide, sloping to a little better than a 16-foot top. any reason the weed should grow too long (before made fence they are on a slant, and as it requires We used the sticky clay from the sides of the fallowing is finished) to be covered at the ends about 800 pounds of a pull to tighter a No. 11 slough occasionally, mixing a few dumps of dry of the furrow where the plow comes out, mow wire, it can readily be seen able enormouse anterior earth from the banks at each end outside the one swath across each end of the field and no of strength it takes to properly stretch a ready-slorgh for the foundation, and gave it lots of seed ends of weeds will be left to curl up and ripen. made fence.

As regards cost, unless one is prusing up above the sides after we had made a good start, but foot from the end or middle of moldboard will than 100 rods the ready-made world be the best right on bringing their dumps alternately catch and bury all weeds that escape from the cheaper, but if fencing a farm, the fence made in from each end. This gave the road bed lots of chain. the posts is the cheapest and best, and it also tramping and made it good and solid, and after Sask

OHN PARKER.

### June 8, 1910

#### FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

#### Money Wasted on Roads

EDITOR FARMER'S ADVOCATE:

I have been in a new country where roads Coming to the detrimental part I find that by moisture roads and don't know how. This thing of spend- ground and the plant is not strong enough to ing money on the dry land and leaving the low stand such treatment. Therefore, I would ad-This is the reason there are so many bad places land in perfect shape. on our roads to-day, and money is spent year Sask.

after year with little or no benefit. Another fault with road-making is making the culvert too small. It freezes in the winter. passage wide enough to 'et the horse through; summerfallowing alone ? let one horse take the scraper through alone, as there is not so much danger of getting him down in the soft mud. After a start is made there is no trouble in finishing the grade.

A road grader is of no use in places like this. As a rule the bad place is only short, and it is only loss of time and very hard on horses, and besides it makes only a narrow grade and leaves the ditch too near the center of the road. If there is much water it washes the grade away.

The ditch should only be one rod from the fence. This gives most of the road to work on. The grade should be not less than eleven feet on top, so teams can pass. If it is too narrow the grade will continually spread, leaving it very rough after rains. I built three-quarters of a mile of road through a very bad place. People thought I could not make wages, but I planned my work right, filled in the very wet places with brush and made \$40 over wages. The work passed inspection so good that I got five cents a rod more than my contract called for.

WM. E. MABLEY.

## Harrowing Grain After It Is Up

#### Editor Farmer's Advocate :

Man

The practice of harrowing grain after it is sown in my mind requires a certain amount of done at the proper time it is very beneficial to the THE SPRING TOOTH CULTIVATOR IS VALUABLE FOR MAINTAINING A SURFACE MULCH AND KILLING WEEDS

crop of wheat; while on the other hand if it is It looked at the time as if I was harrowing out after the crop was removed, so much the better. 5. The secretary-treasurer is paid 50 cents

whereas the summerfallowed land was firmer, summerfallowing is to provide moisture for deeply.

have been hard to build on account of so many harrowing just as the grain is coming through From these suggestions perhaps you can arspent where it has been of very little account. all sharp, it is almost ruinous. I think it breaks case. Why? Because our council men go out to build off the sprout as the blade is appearing above

wet places is no good. In this kind of work the vise harrowing wheat when it is about three to EDITOR FARMER'S ADVOCATE: dry hills should be left alone and the low places four inches high and on a dry day with dull or Some farmers to the east of Red Deer decided

FREDERICK G. WHITING.

#### Rape on Summerfallow

to put in repair. If the wet place is too soft to ture. What is the best way to prepare the land, to be barred. put a team through I find this a very good plan: and what is the latest date that rape can be sown ? 2. Three persons in different parts of the

Sask.

Ans.-A great deal depends on the nature of slaughter.

and therefore the harrow teeth do not sink so succeeding crops. This can best be achieved by the bare fallow. A rape crop is a lavish user of

sloughs to cross, and I have seen much money the ground, and especially if the harrows are at rive at a decision as to what is preferable in your

#### Beef-Ring Near Red Deer

filled up. Why not make a ditch through the slanting harrows, especially if it is at all weedy, in the winter of 1906, to try to organize a beefhill and draw the dirt in the low place, making and to harrow the way it is drilled. The land, of ring. It was uphill work at first to get enough the ditch in the low places no deeper than was course, must be dry to get good results. I have people interested, but by staying with the idea demanded by the dry places. When the ditch not adopted it as a fixed practice, but would and working, and several members agreeing to is deeper in the low land it leaves a very nasty do so if I always had the time and suitable take two shares each to get the ring started, a place and causes a soakage through the grade, weather. Even if there were no weeds it puts the beginning was made. Officers, consisting of president and secretary-treasurer, were elected and a butcher chosen. Rules were adopted, which have been amended as time has gone on. The principal rules at present are:

1. That only animals between 2 and 5 years, The water can't get through in the spring, and I have a piece of land about 25 acres that I dressing between 400 and 650 pounds, be taken, this causes a big washout, which takes money want to summerfallow and sow to rape for pas- stags and diseased animals of every description

Draw some brush, if it can be gotten; fill in a By sowing rape and pasturing it, is it as good as district appointed inspectors, one of whom is to examine all animals as to their suitability for

C. S. T. killing at least three weeks before date set to



not done properly, and at the right time, it will the soil and the condition of the soil last season. 3. Butcher at \$3.00 per head (to be paid spot prove detrimental. Having tried it on a small We therefore, assume that it is the average clay cash by owner of animal who receives back the scale in past years on about 25 acres of wheat or clay loam of the prairie, and that it has been skin, tongue and liver) which \$3.00 is to include sown on summerfallowed land, and as the cropped under crop for some time. This being the case, slaughtering, cutting up, keeping accounts, land showed weeds coming up in millions (of and provided it is not completely overrun with wrapping meat in heavy brown paper, and supbeen) I waited foul weeds, there should be no difficulty in get-plying his own slaughtering materials

ade and levelling m embankment.

sides and fenced,

ot for cattle and

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ess than 14 feet ch better. This es are not pressed eather, which is w grade, tearing fills at the first d.

f at all possible, made of nothing mall the culvert. more according lave never tried tile or metal culthe wooden box e end. ns circumstances

I think that if ocured, who will e time in full in t would do away ng of farmers' irregularly. In for the amount of

#### )RAG HARROW.

#### Plowing

stubble as soon growth of weeds n order to make ild be put on the ever harrows behe maximum of arrow permits of are self-cleaning, id by their down-)rse team abreast ork. Two horses e changed to suit. wed immediately get well outside s to the right and otstock. Plow in of the grass patch. pell and endeavor all the roots and he sun and wind uld be used here, e soil and kill the ass from seeding. find this a very

inches deep, with ame of the gang roke, the harrows er should be used

ight to nine inches ch heavier work 'he grain is there-

which to destroy is when they are and are threadlike f the drag harrow eds are neglected mselves you will ither allowing the of plowing again Biennials need the l if a thin crust of it is most effective its work. If for w too long (before vered at the ends comes out, mow the field and no o curl up and ripen. n a chain about a of moldboard will t escape from the

OHN PARKER.

get the advantage and the land was badly desirable. crusted I finished the piece. It left the surface With thorough plowing this spring early in tion with beef-ring, these amounts being charged in fine shape, and the day being warm and dry, June and a judicious use of drag harrow and to member at end of season.

till the wheat stood about 3 to 4 inches high and ting a fair crop of rape by plowing as early as 4. Each member is charged 6 cents per pound then put on a light team and a set of dull harrows possible after seeding. If disk harrow or spring- for all the meat he takes out, and credited 6 cents and harrowed it the same way as it was drilled. tooth cultivator were used last fall, immediately, per pound for what his animal dresses.

too much, but as the weeds I thought would In fact, shallow plowing at that time is still more per member for a whole share and 25 cents for half a share for trouble and expenses in connec-

killed the weeds. To look at it that evening it did disks or spring-tooth cultivator, a satisfactory The ring has 20 whole shares, a whole share not seem very promising, but in a week the seed-bed easily can be prepared. For best re- going about 25 pounds of meat a week (about difference was astonishing. It came right along sults, it is well to have rape seed in before July one-half roast, one-half boil). People for whom and when threshed in the fall yielded over 40 comes—June 15 to 20 is a good time. How- this amount of meat is too great, take a share bushels to the acre. A portion of the field ad- ever, if there is sufficient moisture in the soil a with a neighbor, getting a roast one week and a joining this piece and sown under the same good crop will result from later sowing. Some boil the next week, the boil always having 2 to conditions, but not harrowed after the grain was have had excellent crops from sowing July 15, 5 pounds of steak with it. We start the ring up yielded only a little over 30 bushels. The or later, by putting the seed in just before a rain about June 1st, and 20 weeks only brings us to difference is striking, and I consider harrowing or as soon after as it was safe to go on the land. October 12, too early for farmers to kill them-Whether or not pasturing a rape crop is as selves. We then buy three or four steers and sell made the difference.

I also tried the harrows on a piece of land plow- good as bare summerfallow depends on condi- the dressed meat to members at actual cost, plus ed in the spring, and sowed to wheat. It appeared tions. If the land is loose and comparatively free cost of killing.

weedy, I gave it a like treatment, and found also from weeds, rape growing may be the better. The slaughter-house and corral are built at that it gave good results, but I must say that it Even if there are weeds it is safe to sow to rape, the butcher's place. Then materials cost about thinned it out very much. This I attribute to provided you have a flock of sheep. Of course. \$30.00, which was charged up to members, \$1.50 the looseness of the soil from spring plowing, in many parts of the West the prime object of per whole share and 75 cents per half share.

The labor for putting up slaughter-house and be only a little above the cost of a stave silo. building corral was given by members.

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liver one another's meat. We had one ring for two years, but had two in 1909, and it looks as if there would be four this year in the Red Deer district. All members sign at the beginning of EDITOR FARMER'S ADVOCATE : each season to pay up anything they may owe and costs of collection.

538 pounds. The heaviest steer was 679 pounds killed it. The roots are decayed a foot down. and the lightest 456 pounds.

people only too glad to take his place he has last winter's damage. gone and we don't mourn for him.

The principal features that mean success with a beef-ring are a good conscientious butcher; for all members to try to realize that a steer has four shanks, and for each member to put in the very best animal possible.

sheep and kill one or two each week along with at Regina last January as follows : the beef animals, to enable farmers to have one more of their many rights that are good as any gold from the Yukon, and we stare at the figures, satisfies the trade; it is the blending of qualities in the land.

C. A. JULIAN SHARMAN. Alta.

#### Care of Root Field

EDITOR FARMER'S ADVOCATE:

to produce them than to take care of them in the wheat, which, at an average price of 84c, netted reputation and our pocket book is in danger. fall, as at that time help is scarce, wages high and frost uncertain. If the land has been well prepared by applying manure and plowing the about 12% of the arable land of the south half of grow a wheat of whose qualities there is no doubt, previous fall, the main thing is to keep them our province. For next year we have about 13 and not engage in a useless attempt to surpass well cultivated, say once a week, so as not to let million acres of breaking, and also 1<sup>3</sup>/<sub>4</sub> million in the growing of less desirable wheats other the weeds get above the ground, as cultivating of summer-fallow prepared. With this wealth countries which grow them better than we can and hoeing are more easily done when there are coming from our soil and King Wheat demon- The time has already come when all the different no weeds. The cultivation also promotes growth. strating to us that the wealth of our plains is as varieties of wheat should be judged on their The plants should be singled out to, say fourteen unlimited as our plains are fertile and bound- real value at our seed fairs. Varieties should varieties should be singled out to, say fourteen loss we find a real of the fourteen to be varieties should be varieties of wheat should be varieties should be va or fifteen inches apart in the rows, as they will take procession real of immigration coming to take their place according to their individual grow much larger and yield more to the acre. Besides they can be harvested more quickly. H. HANCOX.

#### New Concrete Silo

Silos are rapidly growing in favor in all dairy

The order of supplying animals was settled the ground on the outside of the silo by an inby ballot and a record of names and members genious device, and the structure is provided kept. The second year the order is 10 to 20 and with the usual doors and entrance on the side 9 to 1; third year, 4 to 1 and 5 to 20; fourth year, and roof. The makers claim that the silo is and more fibre, and, therefore, gives a smaller 15 to 20 and 14 to 1. When several members quite indestructible, free from the danger of fire percentage of flour. Before he mills his wheat live along the same trail they take turns to de- and will always maintain a uniform temperature.

#### Alfalfa Winter-killed

Some time last summer you asked for a report it more than others. to the beef-ring, at the annual meeting held one on my experiment with alfalfa. At that time I month after the last steer is killed, and failing sent you a short report, being the second summer this to pay \$5.00 to Red Deer Memorial Hospital I had tried it. I am sorry to have to report that the alfalfa was completely winter-killed, not a Balance sheets showing full particulars for spear being left. The snow lay on the field durevery member every week are kept. Last year ing winter and I had half of the plot mulched in those markets. In this desire to grow wheat the average weight of animals slaughtered was with coarse manure. I cannot understand what the farmer has been looking for yield and earli-

Many farmers who were confirmed salt pork a crop. Last spring I plowed a portion of the varieties, mixed not only as to variety but with eaters cannot now get along without their fresh plot and it came up on what I had plowed, and weed seeds as well. The result is a mixture so meat once a week. The rings have given great grew very rank. What I cut from a yard square satisfaction, only one member having dropped weighed 2<sup>3</sup>/<sub>4</sub> pounds, which was double the weight on best returns for his labor. He is also trying out. He had a half share and said where he came on what was second crop. I am sending for highest quality and where it is liable to be frozen, from (more is the pity) in Ontario, that half more seed, as I consider alfalfa hay very rich so that today we find a lower percentage of shares were always roasts. As the Northwest food for all kinds of stock. Hogs and poultry wheat of a high quality being marketed. Weed cattle unfortunately have legs and necks we were seem to like the green hay very much. Perhaps seeds and other useless impurities are doing not able to fix him up, and as there were several some reader will be able to tell me what caused much to lower our standard. New varieties

A. J. YOUNG.

#### Milling Quality of Wheat

Sask.

quality of Western Canadian wheat were dealt shipped in whole cargoes, but at present where We hope before long to purchase a bunch of with by J. A. Mooney at the convention held the identity of our wheat is lost at the lake front

but the great mineral centers are making a few that are found in no other variety in such dewealthy, while the others bemoan the phantom gree as in the old standby "Red Fife. opportunities that have passed them. But tory for analyzing wheat so that they may reject let us take stock of the situation here. We note any that would lower their standard of flour. that our great mine, the rich prairie, gave a This grain is in turn exported to the foreign In regard to field roots I find it much easier return last year of 90,155,000 bushels of golden markets where our prices are made, and our us \$75,780,600; and in addition it gave us 117,and our nation.

The great value of this wheat lies in its qual-tensively is illustrated in our experience with

and pure as to variety. It should be uniformly The ventilating facilities are operated from hard or glutinous, and that gluten should be of good quality. In order to get the above qualities the miller selects a grain that is uniform, and with a small berry because he has found from experience that a large berry has a thick bran he tempers it with either steam of water so as to toughen the bran. If he has a mixture it is impossible to get good results because some varieties owing to their outer covering being either thick or thin will absorb moisture or resist

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Now let us see what part the farmer plays in this great process. Our wheat in the past has created a market in foreign countries, partly because of its hardness, but principally because of its suitability to blend with other softer milling varieties which can be purchased so cheaply ness more than for quality, and today he has

I thought I had discovered the way to secure to answer to the charge of growing a mixture of low in milling value that he is not getting the to grow wheat in districts that do not give the which appear good to the eye and are early have been grown to such an extent that when we come to know their true value we see that we have done considerable harm in lowering our standard. The less desirable varieties might Conditions that threaten to lower the milling be handled to good advantage if they were

it is impossible to keep them from being mixed It is interesting to note that it is not merely We hear of the wealth of Cobalt, the yellow hardness in wheat that gives the best flour or

Some of the large mills have a chemical labora-

Western Canada can grow Red Fife wheat 746,700 bushels of oats, barley and flax. This that cannot be surpassed by the product of any wealth has been garnered by 81,300 farmers from other country in the world. Let us therefore take possession, railroads forming a net over it quality, and each district should compete on in order to gather in our products, new towns even ground. If our fairs are to be instruand countless homes springing up in a season. mental in educating our people to produce the Surely we can hardly conceive the mighty part wheat that is in demand we must make quality played by wheat in the making of our province our standard, not variety. The great danger of not knowing the true value before grown ex-

<sup>1n</sup> the Ladoga. This wheat was broug

districts where corn is grown. A new concrete competition with the world's best. But at near a lake of that name in the northern part of silo of an interesting type has recently been erect-present, we have of what from othern part from other land. silo of an interesting type has recently been erect- present we hear of wheat from other lands Russia. Its fine appearance and its early ripened in Wisconsin. The silo has a steel framework bringing higher prices than ours, and we ask ing qualities made for it many friends when inof slotted steel studding and metal lath, plastered why it is. We must know the truth. Have on both sides with cement mortar, making hollow we in any way been careless of this wealth pro-trade at Winnipeg, Toronto and Montreal trade at Winnipeg, Toronto and the torus the wheat for walls of concrete. No wooden forms were used. ducer? Let us stop and consider. The steel frame reinforcement consists of galthe scale A waterproofing compound was the greatest weight. This he gets by buying be our watchword in the future. \* \* \*

vanized steel studding or channels 2½ inches wide, spaced 12 inches apart. These studs are third, the miller: fourth the baker and fifth the wide, spaced 12 inches apart. These studs are third, the miller; fourth, the baker, and fifth, the baked by two of the best bakers in the city, baked by two of the best bakers in conmade from steel hoops and have an interlocking consumer. All are interested in its quality, but whose customers were of one accord in contongue cut out of the center of each upright piece only the first can maintain that quality. The demning the bread from this flour. As a conseof studding. This tongue is thrown out at right consumer is the first to be considered. He deangles and attached to the next stud, forming a mands a white bread of good texture and general rizontal line of braces at intervals of every appearance. In this he follows custom possibly in the height of the silo. Expanded more than taste. The baker demands a flour to consider if it is not a poor policy for us to conthe state of the study on both sides that will make the largest number of loaves of tinue growing any but the best. Let "quality"

Thus he is able to produce a large loaf and one of Work was put up complete in good appearance which satisfies his customers. A report from Maymont, Sask., -Ultional day was required to To satisfy the baker, the miller wants a wheat winter wheat has been badly killed out. The plastering was done in that will yield a large amount of flour of strength to war filled on the fifth day and quality. This is a flour that will give the

mosion: the pass is said to free from weeds free from other kinds of grain DIKE, Alberta.

booming it as being the most valuable wheat for Who is interested in the quality of our wheat, the West. In the year '87 enough of this quence, today this variety is scarcely to be found in a pure state in the Western provinces.

With such examples before us it is time for us

A report from Maymont, Sask., says that

\* \* \* "THE FARMER'S ADVOCATE is our most in-The walls have a continue desired large loaf of choice quality. In order "THE FARMER'S ADVOCATE IS our "-T. W

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ld be uniformly en should be of he above qualiis uniform, and has found from as a thick bran gives a smaller mills his wheat of water so as mixture it is imause some varcovering being noisture or resist

ne farmer plays leat in the past countries, partly ncipally because ther softer milllased so cheaply e to grow wheat yield and earlid today he has ing a mixture of variety but with is a mixture so not getting the e is also trying do not give the able to be frozen. er percentage of narketed. Weed rities are doing New varieties id are early have t that when we we see that we in lowering our varieties might ge if they were at present where at the lake front om being mixed it is not merely the best flour or nding of qualities riety in such de-1 Fife.'

chemical laborat they may reject tandard of flour. d to the foreign made, and our

c is in danger. Red Fife wheat e product of any Let us therefore there is no doubt, tempt to surpass ble wheats other ter than we can. en all the different judged on their Varieties should their individual ould compete on re to be instrue to produce the lust make quality e great danger of before grown exexperience with

rought over from

#### FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

## DAIRY

#### It Pays To Test

Are you sure that each cow in your herd pays you a profit ? If you do not know this, by actually weighing each animal's product through at loft above the stable, though in this country it least one lactation period and keeping careful records of her feed, Bulletin No. 322 of the agricultural experiment station at Geneva. N. Y., has a lesson for you.

of careful breeding and selection for years, great a tank large enough to contain a water supply for differences were found between individual cows. 80 cows, if located in the loft. The fresh water The best cow of the herd, who held her place for pumped into it daily would keep the temperature Alberta Provincial Exhibition, at Calgary, June 30 to four years, gave three times as much milk as the poorest cow in each of three seasons; and it cost side only one-tenth more to feed the good cow than to feed each poor one. Similar, or worse, conditions to hold a supply of water for the stock for two Inter-Provincial Exhibition at Brandon, July 25 to 29. exist in many herds. Even the poorest cow in this herd probably paid for her feed; for she pro-The question drunk by a cow runs from August 2 to 5. this herd probably paid for her feed; for she pro-The quantity of water drunk by a cow runs from August 2 to 5. Stock Show and Race Meet, Edmonton, August 23 duced butter fat at from 25 to 33 cents a pound; 60 to 100 pounds per day, depending on the but the station has records of herds in the state that ration. Figuring at 100 pounds per day, to be Canadian National Exhibition, at Toronto, August average only 80 pounds of butter-fat per cow, bringing in a gross return of \$26 a head. How much it cost to fed those herds probably no one is preferable to several. knows, but the least the station could carry any cow through a year on, for feed alone, was \$47.50. If these poor herds gave an average of only \$26 worth of product in a year, \$20 less than it cost the station to keep its lightest-cost cow how the following from Consul W. A. Churchill, of much did the poor cows of those herds lose their Amsterdam : owners? Any cow-keeper will be interested in this bulletin, for it gives very accurate data for district are principally of the Holstein pattern, Ontario Agricultural College, and since then has been

cow, of  $5\frac{1}{2}$  per cent. milk.

#### Water in Cow Stable

#### Editor Farmer's Advocate :

80 milk cows—cement floor, iron partitions, well, without which they could not produce a durable 80 milk cows—cement floor, iron partitions, well, without which they could not produce a durable horn and Angus females, and also half a dozen Ayr with windmill in the center of the stable. Now, article. The temperature of churning varies shire bulls. The average price realized for 58 sold the question is, how to water the cows: Whether considerably, according to the time of the year was \$88.90. About 70 animals were offered altogether. to have individual water basins, or one basin for and the process adopted to ripen the cream. two cows ; or, have a trough the whole length Churning operations are usually carried out in the of the manger? In the latter case, will the trough early morning, when the cream, ripened overnot interfere with the feeding, and will it not be night, is brought to the proper temperature. not interfere with the feeding, and will it not be night, is brought to the proper temperators difficult to let the water run off in winter time? This varies from 50° to 60° Fahr., according to As for water tanks, would it be better to place the churns in use and the individual ideas of the it in the loft, or on a foundation just a little higher dairy director. The use of the large, horizontal than the troughs? How large has the reservoir American churns, in which quantities up to the churned in on operato be? One tank, or several tanks to be recom- 2,600 pints of cream can be churned in on opera-and broad channel for nearly the whole distance mended ? I should be very thankful if you tion, has greatly facilitated and expedited the A vote of \$10,000 was made by parliament last session could let me know your experience on this sub- manufacture of butter. With the old Holstein to defray the cost of a survey. The survey will be made under the direction of L. R. Boligny, who was one of the most important things in a pattern of churns mentioned above no more than one of the sub-chiefs on the Georgian Bay canal cow barn.

Man. The individual drinking basin is undoubtedly ties to deal with, churning would last until the expected that the work will be finished this summer.

length of the stable will be sufficient. Have a afternoon. Butter made from the milk of sheep winter.

As a rule, the supply tank is located in the butter from the milk of sheep and goats. is frequently placed in the stable on a foundation raised just high enough to permit of the water flowing; or, if the tank is not a very large In the good herd of the station, the result straps. There would not be much freezing in one, it may be attached to the joists by iron above freezing, even if it were zero, or lower out-

> You will have to figure on a tank large enough safe, you will need a tank that will contain 1,600 gallons to carry a two days' supply. One tank is preferable to several. 27 to Sept. 10. Dominion Exhibition at St. John, N. B., Sept. 5 to 15. Western Fair, at London, Sept. 9 to 17. Central Canada Exhibition, at Ottawa, Sept. 9 to 17.

#### Netherlands Churns

Trade and Commerce Weekly Report recently had

The churns employed in butter-making in this production and food cost of that production, of 19 consisting of a slightly conical vat, suspended be-cows yearly for three years. The station herd consists of Jerseys and Jersey and Jersey. Butter making by individuals The station herd consists of Jerseys and Jersey is made to revolve. Butter-making by individuals grades, and has been built up at small cost, just is rapidly disappearing and large steam dairies as any farmer could build up his own herd, until are gradually being substituted. In these steam it averages more than 6,000 pounds yearly per dairies an American pattern of churn is coming into use, consisting of a horizontal cylindrical vat, which is supplied with one or two sets of rollers to work the butter in the churn. Individual a success. Shorthorns averaged about \$95. One animal sold for \$200, another for \$175, and several others ranged between \$150 and \$160. Few Herefarmers frequently experience difficulty in hot fords offered. The good ones brought about \$125 DITOR FARMER'S ADVOCATE : I intend to build a modern cow barn for about 0 milk cows—cement floor iron partitions well weather, but the steam dairies are usually sup-and some poorer ones between \$50 and \$60. Angus, too, were not in brisk demand. Two good ones brought about \$120 each. There were a few Short-

plug at one end which may be removed when and goats is only made by laborers and small cleaning the trough, which should be done daily. farmers, and is consumed locally. The only If water is let into the trough from the supply part of the Netherlands where sheep's-milk tank two or three times per day, the cows will butter is made and exported is the Island of always have it before them. There should Texel in years when the lambing season is particbe no difficulty in letting the water run off in ularly good. The same patterns of churns used

for cow's-milk butter are employed for making

## FIELD NOTES

#### Dates to Keep in Mind

July

Portage la Prairie Exhibition, July 11 to 14. Winnipeg Industrial Exhibition, at Winnipeg, July 13 to 23.

Provincial Exhibition, New Westminster, B. C. October 4 to 8.

#### Alberta Weed Inspector

The Alberta department of agriculture has ap-pointed C. E. Lewis, B.S.A., chief weed inspector or the province. Mr. Lewis is a 1908 graduate of

#### Lacombe Sale of Bulls

The bull sale at Lacombe last week, under the others ranged between \$150 and \$160. Few Here-The sale was held in one of the agricultural society's

A survey is to be immediately commenced to MAX MEINCKE. MAX MEINCKE. pattern of churns mentioned above no more than 350 to 500 pints could be worked in one opera-tion; in the cases of farms having large quanti-more of the sub-chiefs on the Georgian Bay canal survey. Five parties will go in and carry on surveying operations on as many sections of the route. It is



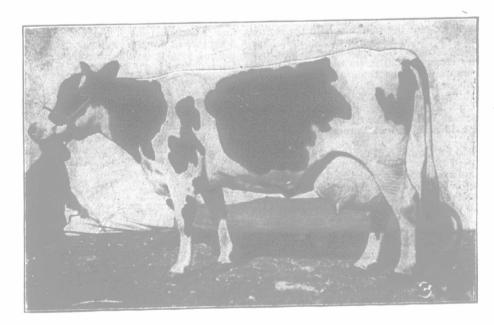
e northern part of nd its early ripenfriends when inferent boards of o and Montreal valuable wheat for enough of this load collected and was milled and akers in the city, e accord in conlour. As a consearcely to be found provinces. is it is time for us olicy for us to con-Let "quality"

Sask., says that

is our most inpaper."-T. W.

the most modern and sanitary system of supplying water to cows in the stable, but it costs considerably more than a simple galvanized iron trough, placed in front of the mangers, and at such height that the feed may be conveniently placed in the manger and the cow not be required to reach up to get at the water supply. The top of the trough should be nearly level with the cow's muzzle when she is standing in a natural position. As connections in the individual or double basin systems are by pipes, you will have to consider first whether there is likely to be trouble from freezing. If the stable is warm, and you wish to equip it with the best water supply system available, we would advise the basins-single basin for each cow.

Watering from a trough is convenient, and the system is in use in many up-to-date dairy stables. Roughly, the top of the trough should be two feet above the manger. It should be about seven inches wide at the top, four to six inches deep, and four inches wide at the bottom. It should be made of heavy galvanized iron. Set it to slant towards one end, allowing just enough fall for the



Water to drain out readily-two inches in the colantha 4th's Johanna, record for one year 72,432 pounds of milk and 1,164.64 pounds butter

# EUJI WICKO SAFETY .

#### Good Roads Convention

850

Arrangements are being made for a provincial good roads convention to be held in Winnipeg during the Industrial Exhibition. The date selected is July 20. A. W. Campbell, deputy minister of railways and canals at Ottawa, and formerly deputy minister of public works for Ontario, has promised minister of public works for Ontario, has promised to be present and deliver an address. While con-nected with the Ontario department Mr. Campbell did more than any other man to further the interests of good roads. He is a recognized authority on road construction, and in the East is frequently spoken of as "Good Roads" Campbell.

The convention to be held at Winnipeg should be largely attended. Everyone is interested in im-proved roads. Valuable information will be offered in addresses and discussions.

#### Dr. Koch Dead

Dr. Robert Koch, the most eminent bacteriologist of the age, died at Baden, Germany, on May 26, at the age of 67 years. Dr. Koch's contributions to medical science were numerous and valuable. He discovered the antitoxin for diphtheria, a remedy that has rendered that disease harmless in the hands of a competent physician who understands the ad-ministration of the serum. He studied the sleeping sickness in Central Africa, one of the most fatal diseases to natives in certain sections of that continent, and his research work there and the exposures subjected to are said to have hastened his death. Dr. Koch was the discoverer of the tubercular in test, a test by means of which tuberculosis can be detected in cattle within a few hours after application. A few years ago he was the object of much criticism by insisting that bovine tuberculosis is not transmissible to man. The main right of scientiet. Reserved to many special has been trivity. This Reserved application will be given by Prof. The schedule for Manitoba's dairy special has been trivity. This Reserved application will be given by Prof. Use and the assistants, W. J. Crowe and the Bedford, Prof. W. H. Peters and L. A. Gibson. Following is the schedule : Plum Coulee, June 13, 10 a. m. Reserved to the main right of scientific to many the scientific to many the main right of scientific to many the scienti tinent, and his research work there and the excriticism by insisting that bovine tuberculosis is not transmissible to man. The majority of scientists hold a contrary opinion, although the matter has not yet been definitely settled.

#### Good Farming Competitions

It is expected that this year's good farming competitions in Manitoba will be even more successful than those of recent years. Already there are entries from several agricultural societies. There will also be a competition in fields of standing grain. There must be at least five entries in the former and three in the latter before the department of agri-culture will agree to give support or send judges.

Entries for these contests must be forwarded by agricultural societies interested on or before June 11 to the managing director of agricultural societies, Manitoba Agricultural College, Winnipeg. Before June 20 the names and locations of all competitors must be submitted. Farms are required to be entered with the society whose chief place of business is located closest to them.

Judging will be done according to the following General appearance, house and surround points : ings, outbuildings and yards, water supply, windbreaks and hedges, farm crops, live stock, machinery and management.

Rules governing the standing grain competitions are

The competition will be limited to one crop, selected by the society as the crop of most importance to farmers of that district.

Selection must be made from the following crops, viz., spring wheat, fall wheat, oats or barley.

Fields entered for competition shall consist of at

9. Judges shall have the right to withhold a prize if they think the work is deficient in merit.10. Any person receiving a bonus either from a

be disqualified.

11. All protests must be in writing and lodged with the secretary before 5 p. m. on the day of match. The score card proposed is : Points

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Dates arranged for matches in Manitoba for this Dates arranged for matches in Manitoba for this year include : Birds' Hill, Thursday, June 9 ; Carroll, Wednesday, June 15 ; Roland, Thursday, June 16 ; Carman, Friday, June 17 ; Hartney, Wednesday, June 22. Nothing has yet been definitely arranged for the provincial plowing match, but the custom has been to hold it wherever the championship cup located. \* \* \* stands.

#### Dairy Special Dates

The schedule for Manitoba's dairy special has been

Rosenfeld, June 13, 2.30 p. m. Morden, June 14, 10.45 a. m. Winkler, June 14, 2.30 p. m. Manitou, June 15, 9.30 a.m. La Riviere, June 15, 9.30 a. m. Darlingford, June 16, 9.30 a. m. Crystal City, June 16, 9.30 a. m. Cartwright, June 17, 10 a. m. Boissevain, June 17, 3.30 p. m. Killormay, June 17, 3.30 p. m. Killarney, June 18, 10 a. m. Deloraine, June 18, 7.30 p. m. Napinka, June 20, 10 a. m. Souris, June 20, 7.30 p. m. Treesbank, June 21, 10 a. m. Carroll, June 21, 3 p. m. Cypress River, June 22, 10 a. m. Glenboro, June 22, 2.30 p. m. Treberre, June 23, 10 a. m. Treherne, June 23, 10 a.m. Holland, June 23, 2.30 p. m. Elm Creek, June 24, 9 p. m. Eim Creek, June 24, 9 p. m. Rathwell, June 24, 2.30 p. m. Roland, June 27, 1 p. m. Morris, June 27, 7.30 a. m. Altamont, June 28, 12.45 p. m. Miami, June 28, 2.30 p. m. Mariapolis, June 29, 2.15 p. m. Belmont, June 29, 7.30 a. m. Greenway, June 20, a. m. Greenway, June 30, 10.30 a.m. Somerset, June 30, 2.30 p. m. Swan Lake, June 30, 7.30 p. m. Sperling, July 1, 7.30 p. m. Carman, July 2, 1 p. m.

#### Manitoba Cattle Sale

Fields entered for competition shall consist of at least ten acres in a block, and must be staked out or otherwise plainly separated previous to the judges' arrival. Competition will be limited to those individuals taking part in the "Good Farming" competition. Each competitor shall be allowed to make one entry only and no one shall be allowed to enter more than one such competition.

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#### Events of the Week

An'English aviator has accomplished the unprece-10. Any person receiving a bonus either from a dented feat of flying across the English channel twice without stopping without stopping. \* \*

J. Lockie Wilson, of the Department of Agriculture, Toronto, Ont., has gone on a tour to England in quest of information and immigrants.

Winnipeg voted Thursday on a by-law authorizing a grant of five hundred thousand dollars to the Centennial Exhibition. The by-law carried by a large majority.

Manitoba University is to have a president. Hon. G. R. Coldwell and Archbishop Matheson have been commissioned to find and recommend to the council a a suitable man for this position. \* \*

Theodore Roosevelt was made a freeman of London last week and delivered an address in the famous Guildhall, at which were leaders in many lines of activity. Mr. Roosevelt apparently did not mind his words any and called a spade a spade in his references \* \* \*

The customs revenue continues to portray the trade

expansion of the Dominion. The receipts for the month of May were \$5,779,326,51, as against \$4,296,-660.10; an increase of \$1,482,666.41. For the two months of the fiscal year to date, the receipts have been \$10,834,097.27; an increase of \$2,575,758.94. . . .

English charitable institutions are protesting against what is termed the undue severity of Canadian immigration regulations. The particular comdian immigration regulations. The particular com-plaint is against the requirement that every im-grant other than those destined for agricultural employment, must have at least \$25 in cash in his possession and a ticket through to his destination. It is held by the government, however, that this re-quirement is in the best interests of the emigrants themselves as it prevents them leading in a particular themselves, as it prevents them landing in a penni-less condition in a new country, and gives them an opportunity to seek out the best place for finding employment instead of settling down at once in one of the congested centers, and becoming a burden on a municipality. \* \* \*

During April immigrants poured into Canada at the record rate of 1,600 per day. Of the daily in-flux the average number from the United States was nearly 700. The total immigration for the month was 48,267, an increase of 24,300, or 99 per cent. over April, 1909. Last month April's high record was again beaten, although definite figures will not be available for some time. For the first four months of 1910 the total immigration was 98,132, as compared with 49,568 for the first quarter of 1909. arrivals from the United States during April totalled 20,443, an increase of 8,834, or 62 per cent. over April of last year. The arrivals via ocean ports, of whom over 75 per cent. were English-speaking, totalled 27,824, an increase of 16,196, or 139 per cent.

those who had intentions of buying. The number of arised as the buying. The confederation com-The number of animals catalogued was below that ship and form a cabinet. The confederation com-of 1909, being only 38. Four less were led into prises Transvaal, Orange Free State, Zululand, Natal Natal, including Zululand, 95,440 white and 1,072,000 325,250 white and 1,024,200 The four Angus bulls sold at \$85, \$80, \$85 and \$65 colored; Transvaal, 325,250 white and 1,024,200 r an average of \$78,75. Five Shorthorn bulls colored; Orange River Colony, 157,200 white and The Manitoba government have announced that anam at \$225. Three bulls, owned by Sir  $W_{m}$  a commission will be appointed to take up the question of technical education in the province. The actively, while Paul M. Bredt had a pair that commission will be ducation in the province trades single furrowed plows, gangs one and one-half acres. b. All lands must be opened and all weeds cut; no sole furrow lifted. The finish furrow may be turned on either side. Depth five inches. Width, according to plow. One strike out and one finish. 6. Ten visible furrows complete the crown for single furrows, next adjoining land not indeed. The first state of solution in the province. The spectively, while Paul M. Bredt had a pair that brought \$195 each. The 25 bulls averaged \$150.60. In females, P. M. Bredt's Roan Matchless went to Stephen Benson at \$165, and Belle's Heroine to A. M. Crandall at \$155. The average for the five fe-males was \$117. This brought the Shorthorn aver-two furrows, next adjoining land not indeed. Fort recommend to the government a scheme for pro-ceeding with this work. Almost coinciding with this announcement it is reported that the Dominion The new premier of Alberta has announced the government have named a royal commission and em-7. No pulling or covering of weeds with either The new premier of Alberta has announced the government have handed in the feet will be personnel of his cabinet : Hon, A. L. Sifton, presipowered it to pursue investigations in Canaua, allowed. A man for each class will see that every dent of the council, provincial treasurer and minister United States and Europe with the object of gaining allowed. A man for each class will see that every of multiple works a lower C. R. Mitchell, attorney-genall information possible to guide the government in early in July.

#### Rules for Plowing Matches

Plowman must be on the ground at 9.30 a. m. the noon hour. when lots will be drawn and stakes set. To start on

signal at 10.30 a. m.; plowing to continue until 12.00, and from 1.30 to 4.00 p. m. No person will be allowed to accompany the

plowman or aid him in any way except in the setting of

Land to be plowed will not exceed one acre for C. 4.

single furrowed plows, twenty for gangs. The first age to \$145, two furrows, next adjoining land, not judged. Each

those who had intentions of buying.

Realizing the desirability of having uniform rules the ring and all were disposed of. They included and Cape Colony, and has an area of 666,629 square and score cards at plowing matches held throughout four Aberdeen Angus bulls, 25 Shorthorn bulls and the south the province, Prof. S. A. Bedford, of Manitoba Agri- 5 Shorthorn females. Andrew Graham, of Pomeroy, African states. Of these 1,188,570 are white, and cultural College, offers the following suggestions : judged the lot in the morning and T. C. Norris, of 4,282,920 are colored. They are distributed thus : Entries close at 9.30 a. m. on day of match. Griswold, wielded the hammer to advantage after The Cape, 610,680 white and 1,896,820 colored 1 072 000

> or an average of \$78.75. Five Shorthorn bulls brought \$200 each or better. Lloyd George, owned by J. Crawford, was taken by K. Murchison at \$255. Meteor's King, offered by J. Mansfield, went to C. G. Graham at \$225. Three bulls, owned by Sir Wm.

blowman conforms to this rule. Any one not con- of public works ; Judge C. R. Mitchell, attorney-gen- all information possible to guide the government in forming to the rule will be reduced one point for each eral and minister of education; J. A. McLean, pro-offence. 8. Gauge wheels, skimmers, etc., will be allowed, agriculture.

June 8, 1910

ish channel twice

nt of Agriculture, r to England in

y-law authorizing ollars to the Cenarried by a large

president. Hon. theson have been d to the council a

ever held in the ine Hat, 76,000 1 from \$7 to \$30 Most of the land stricts where it is

freeman of Lon-ress in the famous many lines of acdid not mind his de in his references

o portray the trade receipts for the as against \$4,296. .41. For the two the receipts have of \$2,575,758.94.

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ed into Canada at Of the daily in-United States was ion for the month or 99 per cent. over s high record was igures will not be e first four months as 98,132, as comrter of 1909. The uring April totalled 62 per cent. over via ocean ports, of English-speaking, 96, or 139 per cent. ling month of last

Colonies in South and Viscount Gladladstone, eldest son is governor-general, he most persistent ssume the premierte, Zululand, Natal a of 666,629 square rsons in the South 570 are white, and distributed thus 1,896,820 colored white and 1,072,000 hite and 1,024,200 157,200 white and

#### Grain markets were erratic all week and trending No. 2 C. W. It looks very much as if they would go lower lower. It looks very much as if they would go lower No. 3 white C. W. still. Old Country quotations show less strength Mixed than our own, and went lower under bear bombard- Other grades ment thau did the markets of the Dominion or the United States. There is a stronger feeling among buyers, and notion seems to be gathering support Tota that wheat prices next fall will rule 20 or 25 per cent. Barley lower than they did last year Coarse grains have Flax slumped in about the same proportion as wheat. Live stock are on about last week's basis.

OUR

side Canadian markets are rated stronger. Ameri- Barley can markets are figured some easier.

Money is getting light in America, and particularly in the Dominion banks have been raising their rates on call loans on stocks, and this has had a depress- Fort ing influence on stock markets. During the past few Port months a large number of enterprises have been Mea launched in this country, many of them built on the Mid future to an unreasonable extent. Money has been Colli-in demand for this work, and these demands have Ower reduced the sum total of the funds available for loan-Gode ing on collaterals. Consequently less stock specula- Sarn tion should be in order, and the price of stocks should Pt. ( decline. All of which should mean a lowering of prices King all around. It is probable, however, that this Mon financial stringency is a local one, and that within Quel a few weeks cheaper money will flow in from abroad.

#### GRAIN

Wheat has continued on the downward way made for it by the collapse of the corner in Chicago. Monday there was a slump at Winnipeg of 23 cents effects of the May deal have disappeared.

week were 560,000, last week 1,968,000, last year co-1,705,000. Visible supply in chief ports : Wheat, 880,000, last week 1,248,000, last year 1,080,000 ; W corn, 3,910,000, last week 1,785,000, last year 4,063, 000. The Argentine wheat market is irregular and nervous with a small demand.

CONDITIONS IN THE UNITED STATES The Modern Miller publishes an estimate of winter wheat conditions in the United States on June 1, compared with the government figures up to May 1. Winter wheat is thought to have improved in most of the large producing states. The largest gains are in Nebraska and Kansas, where the crop is estimated to have nearly recovered from the effects of the winter. In the spring wheat country weather conditions have been favorable. Plenty of moisture has fallen in the Northwest, and while the season has been backward in growth, the crop is in good shape to come on rapidly when warmer weather breaks. The outlook, generally, in the Unted States is bearish.

CANADIAN CONDITIONS Unofficial estimates of conditions in the Northwest provinces are favorable. Growth has not been rapid, but no serious setback has been given the crop vy the backwardness of the season. Wheat is not yy the backwardness of the season. as far advanced in growth as it was this season a bear ago, but well up to the average. There is plenty of moisture in the soil, and warm weather will bring the plant along in quick order. A large increase is estimated in the acreage sown Condition of winter wheat in Ontario, noted in another column of this July issue, is better than was expected. The East will probably harvest a heavier winter wheat crop this season than last.

2,591,477 450,207 8,948 222,865 Total last week 4,126,596 Out- Oats 757,024 51,082Flax . 85,728 CANADIAN' VISIBLE Wheat. Oats.

FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

WEEKLY MARKET

t William	2,422,016	1,762,658
t Arthur	2,110,587	1,801,267
ford	22,931	8,601
land, Tiffin	678,648	556,521
ingwood	15,574	1,529
en Sound	115,000	491,000
erich	84,195	268,959
nia, Pt. Edward.	45,852	87,609
Colborne	100,000	131,000
gston	121,626	118,115
treal	639,650	868,145
bec	1,500	59,500
		0.151.011

6,357,579 6,154,941 7 828 400 6 057 428 Last week 5,146,062 3,001,912 LOWER VALUES PROBABLE

in July wheat, following a weaker tone in the mar-kets of Europe. The American exchanges were closed for a national holiday, so that values made did not reflect the general situation. The bear side of the market continues the favorite one, though Chica-go speculators seem inclined, some of them, to think that this side will prove less inviting, once the effects of the May deal have disappeared. The outlook at present is all for lower values. The outlook at present is all for lower values. Wheat shows every indication of shrinking away below going values long before the crop of 1910 can any quarter of the world have a strengthening effect, this kind. Hog receipts were fairly liberal, with out at the moment the outlook is all favorable. The conditions in the Unit d States, which have been ference of the world have a market moment freely. The outlook at present is all for lower values. for some months, appear to be improving, and indi-Supments from the chief outside shipping coun-tries continue liberal. Russia is forwarding and offering wheat freely. Shipments from India are on the increase, and the Argentine is offering more grain than usual. Argentine shipments of wheat for the week were 560,000, last week 1,008,000, last week

country.							assum
CLOS	ING OP	TION P	RICES,	WINNIE	PEG		Choice but
Wheat.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	
une	861	871	881	871		887	Good butch
uly	867	88	891	883		891	Medium mi
October	841	853	873	853		86	Choice hog
Oats							'' lan
une	293	291	307	301		301	" she
uly	301	30	311	305		51食	Car
October		313				323	Medium ca
Flax.		0					
une	175	150	150	160		160	No. 1 91 * H
uly	165	150	150	160		155	118 Mediu
October		152	152	154	× 1 1 1	156	20 "
		ASH P	RICES				276 "
No. 1 Nor .	86	861	883	871		883	2
No. 2 Nor .	833	841	861	851		861	100
No. 3 Nor .		823		$83\frac{1}{2}$		841	1 Heavy
Oats.				_		_	1 Sow
No. 2 white	291	291	308	30		301	Cattle
			POOL				72 Steers
No. 1 Nor.	99	99	99	1007	$99\frac{1}{2}$	1007	41 "
No. 2 Nor .	951	953	96	974	983	998	30 ''
No. 3 Nor	90	905	911	917	$93\frac{1}{2}$	$93\frac{1}{2}$	16 "
uly	86	865	911	931	$91\frac{7}{8}$		5 Cows.
October		903				941	1 Cow.
000000		RICAN					2 Bulls.
Chicago.							2 Dulls.
11137		931	941	923	923	931	2
September .		911	921	903	901	901	$5^{''}$
December			918	897	893	895	1

 $90\frac{1}{2}$ 

964

911

158

1681

159

be a little slow. This as well as the fact that local demand all through the Western country is greater this season than ever before, makes probable lighter receipts or grass cattle this season than last.

REVIEW

Quality is the outstanding thing in making price for beef cattle, quality and quantity of meat. It would be an object lesson worth millions of dollars 89,801 to this country if every live stock producer could be 774,837 afforded a chance to size the stock one week with

another at the Winnipeg stock yards, see what kind of stock buyers are willing to pay top prices for, and see to what class the ordinary skin-and-bone class is relegated to, and know what price they sell for.

trouble with our cheapest kind of cattle is that they Barley. are not the kind that would make their owners any 229,781 money, even if the feed was shoved into them. The Barley 325,208 low-priced stock hasn't got the breeding. That is 13,227 their fundamental defect.

10,433It is encouraging to note that demand for good beef 23,000 the Manitoba Live Stock Breeders' Association, at 23,000 the Manitoba Live Stock Breeders' Association, at 63,782 Brandon the other day, demand for breeding stock was far in excess of supply and unusually good 14,000 prices were realized. Shorthorn bulls were in par-172,968 ticularly good demand, and averaged \$150 each. The 172,968 same brisk demand was noticeable for females, the 600 five Shorthorns sold making an average of \$117.
This indicates that the country is trying to get into 921,542 stock, and we can repeat the counsel tendered on 918,659 this page frequently of late don't sell the beef type

918,659 this page frequently of late, don't sell the beef type 405,426 heifers.

#### MARKET QUOTATIONS

Receipts of cattle for the last week were fairly

~	Chai	an annach stars fortall			
-	Choi	ce export steers, freight			
	0		\$5.75	to	\$6.00
-	G00	d export steers, freight as-			
	01	sumed	5.50	to	5.75
t	Choi	ice export heifers, freight			
	<b>C1</b>	assumed	5.50	to	5.75
	Choi	ice butcher steers and hei-			
	G	fers, delivered	5.50	to	6.00
ł.		d butcher cows and heifers	4.50	to	5.00
ł		ium mixed butcher cattle .	3.50	to	4.00
	Choi		10.50	to	10.75
		lambs	7.00	to	7.50
1		sheep	6.50	to	7.00
ł.		calves	5.00	to	5.75
3	Med	ium calves	4.00	to	4.50
		REPRESENTATIVE PURC	HASES		
	No	Hogs. Ave. We	ight.		Priće.
			240		\$10.85
	20	(i ii *	.235		10.80.
	276	44 44	201		10.75
1	2	44 44	200	· · · ·	10.60
3	100	44 44	255		10:50
1	1	Heavy hog	300		9.50
	î	Sow	420		8.50
ł	1	Cattle.	120		0.00
	72	Steers and cattle	1242		6.40
7	41		1031		6.00
5. 8	30	44 44 44	1031		5.90
12	16		1125		5.50
18	5	Cows.	1037		5.25
$\frac{1}{2}$	1	Cow	680		4.50
	2	Bulls.	1810		5.75
			1550		5.00
1	$\frac{2}{5}$	34	1332		4.50
18	1	14 ····································	1520		3.75
5	1		* ~ # O		

851

ve announced that o take up the questhe province. elegates from trades ufacturers' associacollege and other this line of work. ie whole question of and is expected to a scheme for prost coinciding with that the Dominion commission and emons in Canada, the he object of gaining the government in al education for the l enter on its labors

EUROPEAN OUTLOOK FAVORABLE Reports from Europe continue favorable for Decemb bear movements. Practically nothing unfavorable Duluth of wheat has been reported from Europe this season. Some suspicions exist that the crop in the southwest is not up to average, but in the chief wheat pro-July ducing sections the outlook continues favorable for September a better than average crop. October ...

STOCKS IN TERMINALS Total wheat in store, Fort William and Port Arthur, on May 27, was 4,532,603.30, as against 4,914,232.40 Cattle receipts at Winnipeg were ordinary in num-last week, 3,518,949.30 last year, and 4,841,552.40 bers and quality. Baxter-Reed Co., Olds, Alta., two years ago. Total shipments for the week were had in 123 head of Herefords, which were among the years ago. 1,134,861, last year 1,440,584. The amount of each the best quality that have been received here for follows : grade was

									1910.
No. 1 hard									32,633
NO. I northe	1773								1,768,667
NO. 2 northe	TTT.								1,324,162
-NO. 5 DOPL									318,718
.10. 4.									205,628
									56,723
other grant									826,069
No. 1 extra	at	S							1.993
No. 1 white (		W	i.						288,432

Minneapolis 1041 103 1023 915 931 911 September New York. 1011 100 1015 Tulv 967 983 967 September 99 December. 102 1041 103 941 921  $92\frac{1}{2}$ September DULUTH FLAX 210 207

#### $167\frac{1}{2}$ 158 LIVESTOCK

Cattle receipts at Winnipeg were ordinary in num-1909. and averaged around 1,400.

169

159

Killing cattle were not plentiful; sheep and lambs, \$5.80; hogs, fed and watered, \$9.50 to \$9.65. 5 873 943,943 non-offering; hogs in fair numbers and at last week's

565,585 prices 561,818 There is a suspicion gaining ground that there are  $$4.50 ext{ to $6.00 ; calves, $6.00 to $43,031 not as many cattle to come out of the Western <math>$43,031 ext{ not as many cattle to come out of the Western $8.50 ; feeders, $5.65 to $6.50 ; stockers, $4.00 to $176,337 country this year as last. Buyers from Winnipeg $5.75 ; hogs, $9.50 to $9.65 ; sheep, $4.75 to $5.50.$ 822,370 who have been up and down the country between

here and Lethbridge and Edmonton, do not report a bearish outlook, and with the backard season, it is Theodore Roosevelt received from the University probable that deliveries from the range country will of Cambridge the honorary degree of doctor of laws.

1002	1	Steer.												950	4.5
1033	25	Calves.												164	6.0
913	20	11												112	5.8
100	2													13.73.89	5.7
100	35	Lambs													12.00
963 963	28	6.6													9.4
90%								A							
2 2 2 2							~		~	~	~ ~	 -			

Steers, \$4.00 to \$5.00; cows, \$3.50 to \$4.00; hogs. \$9.50; sheep, \$5.50 to \$6.00. Butter is quoted, wholesale, at 15c. to 25c. per pound, and eggs, per case, \$7.00.

1815

6.00

#### TORONTO

Prices are uniformly stronger than a week ago. Deliveries were good, but demand was exceptionally keen. Stockers and feeders are in good inquiry, but the butcher market is the most active. Prices are as had in 123 head of Herefords, which were among the butcher market is the most active. Prices are as the best quality that have been received here for some time. They sold for \$6.00, freight assumed and averaged around 1,400.

#### CHICAGO

Steers. \$6.00 to \$8.60 ; cows, \$3.00 to \$6.75 ; heifers,

\* \* \*

## **People and Things** the World Over

A raven in the London Zoological Gardens recently was operated on for cataract and proa sort of hood.

Quotations made from memory cannot do justice to Mark Twain's charm, but here is a they had no connection with one another. Now, specimen passage in which he describes his visit it is almost an established fact that the bad to the tomb of Adam :

"The tomb of Adam ! How touching it was, here in the land of strangers, far away from tive in mind so much as in body. home and friends ! True, he was a blood relation—though a distant one, still a relation. The unerring instinct of nature thrilled its recognition. The fountain of my filial affections was whether in graded city schools or in the "little breathing which is essential to perfect physical stirred to its profoundest depths, and I gave way old red schoolhouse" in the country, has strugto tumultuous emotion. I leaned upon the pillar gled with the child who could not be taught and burst into tears. I deem it no shame to anything, and who in the press of the curriculum inal to make a child a life-long sufferer by neglecthave wept over the grave of my poor dead rela-was finally left to his own devices, and thanks ing them. tion. Let him who would sneer at my emotion close this volume. Noble old man-he did not live to see his child; I-I, alas ! did not live to see him. Weighed down by sorrow and disappointment, he died before I was born-six thousand brief summers before I was born. But let us try to bear it with fortitude. Let us trust he is better off where he is. Let us take comfort in the thought that his loss is our eternal gain.

A little girl in Pennsylvania once wrote to Whittier, enquiring about his childhood on the farm. These are passages from his reply :

\* \* \*

" I think at the age of which thy note enquires I found about equal satisfaction in an old rural home, with the shifting panorama of the seasons, in reading the few books within my reach, and dreaming of something wonderful and grand somewhere in the future. Neither change or loss had then made me realize the uncertainty of all earthly things. I felt secure of my mother's love, and dreamed of losing nothing and gaining much. . . I had at that time a great thirst for knowledge and little means to gratify it. The beauty of outward nature early impressed me, and the moral and spiritual beauty of the holy lives I read of in the Bible and other good books also affected me with a sense of my falling short and longing for a better state." of the others. We are just beginning to find day a school supervisor heard of Anna, and she

### Aid for the Stupid

Home Journal

A new word has been added to the English language since most of us have bought a dictionary. It is "paidology," and it stands for a new idea, though it is from the Greek, meaning the "science of the care of children." Its special modern application is to the care of backvided with spectacles, fastened to its head with ward and seemingly mentally defective children. Once all children were classified as good or bad, clever or stupid, healthy or delicate, and there were no grades between these extremes, and child is not the result of bad morals, but of bad physique, and the stupid one is not defec-

> The actual working out of the new science began not with the parents of backward children, but with the school teachers. Every teacher distinct speech, also interfere with that proper given if he could be kept quiet for the sake

#### THE FRONTIERSMAN

do not look like that and shift here and there for the other pupils. A case came under my personal observation where a girl of ten could read fairly well, speak and hear plainly, but her writing was undecipherable. It looked like nothing on earth, but she could read it herself with no more of hesitation than the other children of her age displayed in reading their own hand-wriitng. By chance I found that the whole thing was inverted as in a mirror, she even wrote from right to left.

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The ordinary blackboard in the ordinarily, badly-lighted school house is responsible for some of this bad sight and aggravates cases which were established before school was entered.

Defective hearing explains the lagging behind of more children than you would think possible. Adenoid growths in throat and nose, which lead to much childish deafness and inand mental development. The removal of adenoids is so simple and inexpensive that it is crim-

Lack of proper and sufficient nourishment is one of the very prevalent causes of backwardness in children. In New York there are 6,000 children going to school every day with no breakfast, or worse than none. Fortunately, this cannot be considered a factor in Western Canada. But the imperfect nerve control of the body's muscles accounts for many cases of arrested development. Hands and feet cannot be made to do what the mind wants them to do, the tongue fails to express the idea that has been correctly thought. Manual training has done much for this class. Pitching quoits, simple gymnastics that produce quick results in muscle control, are all helpful. An instance given in Hampton's, drawn from a public school in New York, where this work is undertaken, will illustrate some ways of teaching control. "Spinal meningitis had reduced Anna L---- to a pitiful state of helplessness. She could not walk or even stand on her feet unassisted. She had little control of her arms, and much of the time her head rolled and her eyes moved restlessly. because of her affliction, Anna was petted, indulged, and waited on by the entire family. She became exceedingly bad-tempered, unreasonable and exacting. The slightest crossing of her will provoked fits of screaming and fighting. One

neglected children in Ontario, says :

out that all these cases are not hopeless; in fact, straightway called on the mother. Mr. J. J. Kelso, of Toronto, who has done much that very few of them are. A very small per- scribed the ungraded classes and begged to be philanthropic work in behalf of dependent and centage of them are insane, epileptic or actu- allowed to try their effect on Anna's case. After ally imbecile to a degree where no improve- much persuasion the mother consented.

There is only one way of reforming a boy ment can be made. The place for these is in "The first thing they did with Anna was to and that is by securing his friendship, his good- institutions established and maintained for just teach her to walk. The teacher drew two long will, his co-operation. To reform a boy who is such cases. But there is as big a gap between parallel chalk lines on the floor. 'Now, Anna, determined not to be reformed is about as im- the imbecile and the feeble-minded as there is this is a brook and you are going to walk in it. possible as attempting to drive water up a hill, between the feeble-minded and the backward, Be careful and don't get out of the water.' He may be kept for months or for years in the and much greater than between the backward

show that you trust and believe in him, visit detriment to society of the presence of the un- brook all by herself.

with apparent obedience and yet at the end of That something should be done for them is her to exert herself to walk. Up and down the it all come out a far worse boy than when he plain when we remember that in America at 'brook' they led the child, all the time telling entered. But get into friendly sympathetic present there are between 120,000 and 150,000 a succession of alluring stories about woods and relationship with the same boy, learn his wishes feeble-minded adults, whose presence is a menace meadows and all the beautiful things that

"Then, with a teacher and assistant on either

side holding the child by her arms, they coaxed and aspirations, at the right psychological mo- to public morals and the health of the nations. flourish in and around brooks. At the end of a ment, place him out amid good surroundings. Not one person in ten thousand realizes the week or two Anna was actually walking in the

Next a long wooden scantling was brought in

fails to respond you can put it down that he is But many of these apparently lack-brained and Anna was promoted to 'walking the fence.' deficient and that his proper place is in the children are suffering from physical defect that At the end of the year she could walk the fence by arylum for the feeble-minded. Normal boys could be put right with comparative ease. The herself. She could march to music with the like to be regarded as rational human beings and eyesight is a fruitful source of trouble. To many other children. Now, two years later, she can they have a great depth of loyalty for the man a child the blurred and twisted things he can sew, embroider, write and many other manual who knows how to treat them right and to rely dimly see on the blackboard mean nothing, tasks. She is a lovable, reasonable child, a bless and yet he has had no chance to know that they ing instead of a nuisance in the family circle." upon their honor."



here and there ame under my rl of ten could plainly, but her t looked like read it herself the other childing their own l that the whole irror, she even

the ordinarily, onsible for some es cases which as entered.

he lagging beu would think nroat and nose, eafness and inith that proper perfect physical emoval of adenthat it is crimferer by neglect-

nourishment is es of backwardthere are 6,000 / day with no e. Fortunately, tor in Western erve control of many cases of and feet cannot ints them to do, ea that has been ining has done quoits, simple esults in muscle istance given in c school in New taken, will illusontrol. "Spinal ---- to a pitiful ould not walk sisted. She had such of the time noved restlessly. was petted, inire family. She ed, unreasonable ssing of her will 1 fighting. One Anna, and she other. She dend begged to be na's case. After consented. ith Anna was to r drew two long . 'Now, Anna, ng to walk in it. the water.' ssistant on either ms, they coaxed Ip and down the the time telling ibout woods and ful things that At the end of a / walking in the

## June 8, 1910

FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

#### AN ANGEL OR THUNDER!

said that it The people thundered: Others said: An angel spake to Him.-S. John xii.: 29.

Our Lord had spoken aloud to His Father in heaven, and the answer was audible to the people who stood around -they heard the sound and some said: "An angel spake to Him," while others thought it was only a peal of thunder. It is much the same in these days. An unexpected blessing comes to one man and he looks up and thanks his Father for the gift, while another person would the was only a wild, neglected child, a only say: "That was a wonderful bit of

Whose mother was dead, the nurses luck for me. Perhaps both alike offer earnest pray ers for the recovery of a sick friend-sick in body or soul. The friend recov-And the pain that he bore, he bore it ers, and one looks up to thank the Good Physician, while another gives the

earthly doctor all the praise. Though at times in a dream he would Yesterday I received a letter from a say he had seen "a land that was We lady in England, who had read the Can-adian edition of "The Vision of His far away. Face," and thought the book could only And they heard him talking, one after-be bought in Canada. She was passing noon (so one of the nurses said). Of an angel of light who came down in through Old London, and thought she would inquire at Elliot Stock's shopon the chance that it might be found the bed: And his little voice trembled, his little there. She went in, and was surprised frame shook, as he said in words to find a pile of copies near the doorthe English edition was just out, and she had "happened" on the publisher. Was it merely a remarkable coincidence broken and slow, He goes to the other boys' beds every time, but he never comes near little that she had picked out the only shop loe

in London where it could have been found that day? If it was only a coin-cidence, then it is strange indeed that my prayers should so often be followed clothes, and watch till he comes, by and by, by such coincidences. The child and nurse—in the poem given below would have seen God's answer to prayer in such an event. The hospital surgeon would have called it "a chance." So it is always. God pours blessings of prosperity on some of us, and we are apt to take them without a word of acknowledgment. Perhaps He sends the blessings of adversity, to help our souls to grow, and we only grumble at our hard fate. If we want to have ears and eyes open to spiritual things, we must accustom ourselves to see God's hand in His everyday gifts. Let us look up and thank Him for the night's sleep, or for the sleeplessness through which He tried to catch our attention. Let us thank Him for daily strength, or for the weakness which forces us to press close to His side. Let us thank Him for an easy, peaceful life, or for the difficulties which are intended to make us grow strong and brave. Whatever comes to us is a gift from our Father. Let us listen for His voice always, and then we shall never fancy that "fate" tosses

expect pleasant gifts from God, and accept them with some expression of

DORA FARNCOMB.

#### A CITY TALE

thankfulness

I heard a story the other day, and I've shaped it into a rhyme, With the simple thoughts that occurred

to me as I heard it at the time. Tis only a childish incident, but it taught a lesson to me,

# **Hope's Quiet Hour**

a good ship's breast.

said, and whose father cared noth-

waif of the city grim,

ing for him

to pray.

- Seem to look, as they shine through the More than all our fine colleges, systems mist and the brine, for a haven of and "ologies," mystical, learned and wise.
  - Oh, thank God, when we're weary with

preacher, how clearly he points to

- alone, for no one had taught him Oh, 'tis strange how we older ones blunder and fight with the fancies that get in our way:
  - bar up the windows while praying for light, draw the curtains while
  - and creep, when there's nought be-tween us and the joy,
- the night, and passed at the foot of But the shadows we throw on the path of ourselves-would a baby do so with a toy?
  - Oh, you who have asked the Levite's help, who to Jew or to priest have cried:
- Our Lord never saw a hand upraised and passed on the other side; 'I wonder, suppose if I turn down the And He's walking the wards of the hos
  - pital still, while mankind is groaning in pain;

#### JOSES, BROTHER OF JESUS.

"Is not this the Carpenter's Son?"-Matthew.

oses, the brother of Jesus, plodded from day to day, With never a vision within him to glorify his clay; oses, the brother of Jesus, was one with the heavy clod, But Christ was the soul of rapture, and soared, like a lark, with God; Joses, the brother of Jesus, was only a worker in wood, And he never could see the glory that Jesus, his brother, could. "Why stays he not in the workshop?" he often used to complain; Sawing the Lebanon cedar, imparting to woods their stain Why must he go thus roaming, forsaking my father's trade While hammers are busily sounding and there is a gain to be made ? " Thus ran the mind of Joses, apt with plummet and rule, And deeming whoever surpassed him either a knave or a fool, For he never walked with the prophets in God's great garden of bliss; And of all the mistakes of the ages, the saddest, methinks, was this : To have such a brother as Jesus, to speak with him day by day, But never to catch the vision which glorified his clay -The Independent.

each day's events to our feet. Let us And beckon him near, will he come and there never was one that e'er beckme here?" And he finished the words with a sigh.

But a smile came over his pale, wan face, at the thought of his fancy borner And he longed for the night with the feverish might that he'd hitherto

The shades of evening deepened fast Its simple annals of childish faith may

o'er the city's soot and grime, Till there boomed over all, from the bell Although there are those in the world, I Farncomb's "Vision of His Face" of St. Paul, the old day's funeral

chime;

oned His aid, that ever has beck oned in vain. Well, I told you 'twas only a childish

tale, but it gave me so much delight,

well excite sympathy's tears,

only with sneers

And you know the greatest Teacher And the new day breaking, the good So the hospital surgeon he laughed, Ha! ha! It seemed a ridiculous

23 to 18 years, and as regards male urged the trustees to think over it and be ready to face what is undoubtedly a difficult problem. Everyone must admit that, but results cannot be looked for from a majority of teachers, youththank God, when we're weary with doubt and with theory, and scales seem to cover the sight, in time was fingers this simple faith Still in tiny wee fingers this simple faith the new Western provinces of Saskatchlingers, and baby hands lead us to ewan and Alberta draw our experienced and old teachers by offering better salaries and more up-to-date school buildings and equipment. As one il-lustration, I saw a letter the other day from a lady teaching in a country school in Saskatchewan. Listen to what she

says: "The school house is the best and has the best equipment I have ever seen in any country. All the buildings are in excellent shape, all almost new; there is a full set of maps, a clock, new organ, bookcase, with the beginnings of a library; in fact, everything, even to wash basin, towl and soap. They have an order in for a shipment of framed pictures and there is a grant of \$16.50 or me to invest in books for the library. The enrollment has reached fourteen and I expect it will be in the neighborhood of twenty. My salary is \$72.00 a month, if I stay more than four months, as I expect to do. Otherwise it is \$60.00 per month."

Now, how many rural schools in Manitoba approach that for equipment? Trustees, do not all speak at once. I have now been in the country districts for eight years and must regretfully state I have yet to see such a rural school. I have always maintained that up-to-date school buildings, surround-ings and equipments is the first step to holding a good teacher, and children, too, for that matter. To see some of the dingy, dirty, woebegone looking buildings enough to scare a good teacher away and can certainly not tend to give the children an uplift for better things Then as regards salaries, the lady re-ferred to above taught in two of our best Manitoba towns in graded schools and the salary did not exceed what she is now getting in a rural school in Saskatchewan, so you see the first step is to pay better salaries. This rule holds good in nearly every occupation. You can generally get what you want if you will pay for it. Then we want more attention to school buildings. fences, grounds and equipment, but with your permission I will return again to the subject, as I believe a radical change in the trustee system is necessary before we can expect the improvement desired.

JOHN R. DUTTON.

#### **ENGLISH EDITION**

Man.

A copy of the English edition of Miss suppose, who could hear of them reached this office, a volume somewhat different in appearance from the Cana-dian edition, but with the same dedica-tion, so interesting, etc., to many of our

was brought in lking the fence.' valk the fence by music with the rs later, she can iy other manual ible child, a bless he family circle."

taught with a baby upon His knee.	nurse waking, arose with the twi- light gray,
part at the eastern end of the town,	And passed down the room, 'mid the slackening gloom, to the spot where the little boy lay.
Where sickened humanity loses its heart, and nature seems always to frown;	And she started, amazed, and then
Where the black smuts fall from the chimneys tall,	lingering gazed, for a wondrous sight met her view,
And the engines of toil never rest, And it's only in dreams that they think	Which brought tears to her eyes, as of joy and surprise, as well it might
of the beams that shine in the gold- en west.	bring them to you: A little hand reaching in action beseech-
	ing, a figure half raised in a bed, Two little eyes closing as softly reposing, and all of it stiffened and dead.
Like flowers laid out in a row,	
Ere the gardener Death bound them	For the angel of light had come down in the night, and passed up the ward
into a wreath for the Bride of the King, you know,	to and fro.
Some children were lying, and tossing, and sighing, and nightly there	Till the beckoning finger had caused him to linger at the bedside of poor
Decoul arrest	little Joe.
A baby's soul from the world's control, to the regions of endless day.	And before he could mutter the prayer he would utter, the small silver cord
On one little bed lay an aching head that	had been riven, And the angel had said, as he turned to form the helt "Of such is the King- 1
tosset to and fro on the pillow.	from the bed: "Of such is the King- dom of Heaven."
Like a try boat on the waves afloat	
whe rocked by an angry billow; And his mining eyes seemed to peer	Oh, mighty the teacher, tho' infant the

ing, arose with the thing;

King.

A. H. MILES.

#### MANITOBA SCHOOL SYSTEM

tears to her eyes, as of Editor Farmer's Advocate:

I have been pleased to notice in

recent issues of your paper several ar-ticles dealing with education in rural districts. We have in these days or-

light had come down in and passed up the ward ers, etc., etc.-and the columns of the by hand

ng finger had caused him cussions; but to my mind one of the of the disheloth will be found better most important questions is rural edu- than a loop by which to hang it up, cation as in force to-day in Manitoba, because a buttonhole will last as long

cation as in force to-day in Manitoba, because a buttonhole will last as long and what can be done to improve it as the cloth itself, whereas a loop often The subject is a big one. There are about gets pulled off 1,300 rural schools in Manitoba to-day. When putting away woollen clothes taught in nearly every instance by in the spring it is a good plan to wrap ladies, and some shall I say, mere girls, each article in newspaper, separately Mr. McIntyre told the Trustees' Conven- Moths will not bother anything put tion, recently held in Winnipeg, that away in this memory as they do not the surgers of body tachers was like respected. teacher, tho' infant the the average age of lady teachers was like newspapers

readers: "To my true and loyal friend, own the room, 'mid the But the angels in heaven they shouted a Mary Weld, without whose encouragepsalm to the triumph of Christ the ment I should not have ventured into the great sea of literature." Miss Weld will be affectionately remembered by many of our readers as the "Minnie May" and "Mollie" who once contributed largely to the pages of THE FARMER'S ADVOCATE.

#### HOME IDEAS AND ECONOMIES

To turn the hem on new table napganizations dealing with nearly every kins, put the napkins through the narkind of society - Friends, Societies, row hemmer of an unthreaded sewing Churches, Sunday Schools, Temperance, machine. This makes a more narrow Single Tax Municipalities, Grain Grow- and more even hem than can be turned

#### HOW SHE STARTED

Yes, she's started to clean house, And she must have curtains new; Yes, she's started to clean house,

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And the parlor rug won't do, And the chairs are out of date, And the couch, she grieves to state, Must be covered with new leather-Real leather would be great.

Yes, she's started to clean house, And she wants a rocker new; Yes, she's started to clean house,

And our old buffet won't do, And our bedroom suite's a sight, And our carpets far from bright, And our dining table really Is a veritable fright.

Yes, she's started to clean house. She must have new draperies,

Yes, she's started to clean house Naught we own will longer please,

Only one thing that will do, That she'd not supplant with new; Tis her hubby; but at times I believe she'd swap me, too.

#### FROM AN OLD FRIEND

Dear Dame Durden:-I see Alberta Gipsy tells you that skim-milk is good read a story once where some women for stiffening and renewing dark gar- were pondering on the queerness of ments such as black lawn, linen, etc. I have never tried it, but have always cuse on the ground that men aren't used "gum arabic." Get it at the drug- "exactly persons." For one thing the gists and use it like starch. I forget really likeable man never grows up— if one requires it hot or cold, or only there always remains some child in cool. would know.

ten bunches of blossoms on at one time, and now, before they are withered, another lot are formed and will soon

alive and comforted one another. It dicted. It also mentions some of the with way of result. Continue in this doesn't look to me like love or devotion, harmful nostrums advertised as cures way until all the berries are used. If

may help someone who has to put up in their prescriptions in treating these a long letter that you will get tired if I with a poor floor. To fill up cracks diseases and in attempting to cure the do not stop. But I hope this will help make a paste of half a pound of flour "drug habit" itself, often prescribed some of the members as, they have helpto three quarts of water and half a the very remedies that have produced ed me in lots of things. pound of alum all mixed together and the conditions which it is proposed to poiled for a few minutes. Tear a news- relieve. paper into small bits and soak it in This bulletin can be secured by writ- trouble and your information is sure the paste till the whole thing is about ing to the secretary of agriculture, to be of use.—D.D.) as stiff as soft putty. Fill the cracks Washington, D. C., to any senator as full as they will hold with the mix- representative, or delegate in congress ture and let it harden before wetting or it can be purchased from the superthe floor.

BLUNDERBUSS. (They are, my dear; they are! I five cents per copy. 'em, and an old, old woman made ex-

entirely are usually unendurable. So, I have a white geranium which has what is to be done about it ?-D. D.)

open. It is lovely on the Cypress Hills public against the insidious effects of one by one over it. It is then placed now, but very dry everywhere, and preparations containing drugs injurious in a warm place on a piece of carpet or folks say that unless we have rain and to health, the United States Depart- blanket and another piece thrown over

in plenty there will be a dearth of hay. ment of Agriculture has issued another it. The great thing is to fold the papers



#### A TYPICAL WESTERN RIVER SCENE

That would be awfully hard on lots farmers' bulletin treating on the sub- to each gallon, one pint vinegar, one of ranchers, would it not?

We are planning to sell out and go to health. British Columbia. The winters here Farmers' Bulletin No. 377, The and seal while hot. are too severe for my health. Since Harmfulness of Headache Mixtures. (Doesn't this recipe require any I underwent that awful operation in was issued in September, 1909, and sugar?-D. D.) 1907, I have been a shut-in. We have 70,000 copies have been distributed to Dewberry Jelly.—Put them in five hundred acres here and the east those interested in the subject. Now saucepan with a little water and boil and west forks of Ross Creek run Farmers' Bulletin No. 393, Habit- until soft. Strain, and to each pint of through our pasture land. There is a Forming Agents: Their Indiscriminate juice add half a pound of sugar. Boil fine well and a twenty-acre lake quite Sale and Use a Menace to the Public five minutes, put into glasses and set close to the house, so we do not suffer Welfare, giving the results of recent in the sun for a few hours before cover-for water. But we are eighteen miles investigations by the department, has ing.

**The Ingle Nook** didn't love either of them and would of some of the soft drinks containing poured in up to the cork. The cork have told them so if they had asked caffein and cola leaf extracts, to which her, and then they could have remained it is not uncommon to find persons ad- into the mouth of the jug and sealed alive and comforted one another. It dicted. It also mentions some of the with wax or resin. Continue in this

just plain foolishness. I haven't any ideas to share with the members except one about floors, which habit, and states that some physicians international and the berries are used. If for asthma, catarrh, cold, coughs, con-any syrup is left it may be bottled or made into syrup for winter use. Now, dear Dame Durden, this is such

intendent of documents, government printing office, Washington, D. C., at

#### FIRELESS COOKING SIMPLIFIED

Dear Dame Durden .--- A friend sent me an account of how the Dutch do their fireless cooking, and as it is very simple I thought some of your readers I should think a drug clerk him; and the kind that do grow up might like to try it. I have not tried it myself yet. The article to be cooked is prepared as usual on the fire in a kettle with a close-fitting lid. A pile of ten DRUG HABIT ALARMING papers is spread on which the kettle In its effort to protect the innocent is placed, the papers are then folded

quickly and well so as to prevent the

NORA CREINA. (A very short visit this time but we're glad to have it, for it shows you have give size, name not forgotten us. A happy summer to and address. you.—Ď. D.)

#### MORE WILD FRUIT

Dear Dame Durden:--I have been a to fill the orders. silent reader of the Ingle Nook for a long time, and received so much help Send to Fashion that now I will try to help a little, as  $D e p a^{T}r_{1}^{T}t m e n t$ , it is getting near fruit time, by sending Farmer'sAdvocate,

a few more ways of doing up wild fruit. JUNEBERRIES OR SASKATOONS.half berries and half rhubarb and add ject so nearly connected with public pint water, one teaspoon cinnamon. Boil all together for five or ten minutes

Farmers' Bulletin No. 377, The and seal while hot.

from town—a long way to go for a spool just been issued as a warning to moth-of cotton, eh, Dame Durden? ers, invalids and users of medicated of berries allow three pounds of white Please forgive the poor paper and soft drinks, of the dangerous contents sugar, one pint vinegar, three tableall good wishes of many of the infant syrups so-called spoonsful ground cinnamon and half

Founded 1866

in a cupful of water, fill the kettle with fruit, cover, and set over a moderate fire. Do any stirring very carefully so as not to break the berries. When well scalded fill wide-open mouth jugs, holding from two quarts to a gallon. The jugs should be heated in boiling water, filled full with fruit and juice

should be soaked in hot water, forced

(It was good of you to take so much

#### WHAT THERE'S TIME FOR

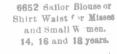
Lots of time for lots of things Though it's said that time has wings; There is always time to find Ways of being sweet and kind. There is always time to share Smiles and goodness everywhere; Time to send the frowns away, Fime a gentle word to say. Time for helpfulness and time, To assist the weak to climb; Time to give a little flower, Time for friendship any hour; But there is no time to spare For unkindness anywhere.

THE LATEST FASHIONS FROM OUR DESIGNERS

Price ten cents for each pattern. Order by number,

Allow from ten days to two weeks

TTTI -Put Winnipeg, Man.





for the dear old ADVOCATE. WILLING-TO-LEARN.

(We are glad to have you with us gain.-D. D.)

#### FOLLY NOT LOVE

ished housecleaning? I'm all through names published, together with a list mash the berries in cooking. and glad to get it done once more. I of remedies intended for infants and, PRESERVED BLUEBERRIES. and glad to get it done once more.

remedies and soft drinks containing as much cloves. Dissolve the sugar in

the vinegar and skim clean. Put in the It is almost unbelievable that anyone spices tied in a bag, then the blueberfor the sake of a few dollars would con- ries. Let heat gradually and cook coct for infant use a pernicious mixture slowly for ten minutes after boiling

FOLLY NOT LOVE containing cocain, but several such begins. If the berries are not quite ripe Dear Chatterers:—Have you all fin- mixtures have been found and their it should be quite like a jelly. Do not

— Use thought most of us must have been containing morphin, codein opium, three-quarters pound of sugar to each 6650 House Gown or busy at it on account of the few letters cannabis indica, heroin, which are wide- pound of fruit and the juice of one lemthere were in the Ingle Nook. It isn't ly advertised, and are accompanied by on. Heat the berries and sugar togethso very long since I was here before the assertion that they "contain nothing er. They will need little water after but hope there will be a welcome for me. injurious to the youngest babe," and washing to keep them from burning I don't get very much time to read, that "mothers need not fear giving when thoroughly cooked, which will but happened to pick up a paper telling them, as no bad effects come from be in five or ten minutes. Add the how two men committed suicide by their continued use," while as a matter lemon juice, let boil up once and then

jumping off a bridge across the Red of fact, numerous instances are on seal. river. It seemed they both loved the record, of babies being put to sleep JUGGED BLUEBERRIES.—Wash, pick same woman in Belgium and neither never to wake again, or, where they over carefully and drain a peck of bluethen could bear the idea of the other did not succumb, the more serious ef- berries. The easiest way is to put the

cover, then move them about carefully the second the subset thange? Neither Vet the majority of mothers, ignorant with the hand and pick out all leaves, here second to have considered the of these facts, continue the use of these green or poor berries that are seen at act, at all bopposing she had poisons, which at least must undoubted- once. Then look over a few at a time there of the considered new bear by leave their impression on the delicate and put in a columbr of drain. By the Lot of one of the done of the done of the most now bear by have their impression on the dentate and put in a conduct to drain. By the is r the above of incorrow. They neve organisms of infants and induce ten-throught of is to be been above. They have develop into the have drained off pretty well if one is she based there is the there is a evil habit of drug addiction. probability which there is account to have. The bulletin contains a list with a over before beginning to cook them. occurred to they bright was, that she photograph of the "original packages" Take a large preserving kettle and put 12 to 16 years.

having bor and leaving him to bear it fect of infant drug addiction was pro- fruit in more than enough water to

Five Gored Upper Portion, 22 to 30 waist.

8627 Tunic Skirt with

Wrapper. 34 to 44 bust.

> 6643 Boy's Sailor Blouse Su't. 8 to 12 years.

the kettle with ver a moderate very carefully berries. When en mouth jugs, ets to a gallon. eated in boiling fruit and juice ork. The cork ot water, forced jug and sealed ontinue in this es are used. If iy be bottled or ter use. den, this is such vill get tired if I pe this will help s, they have help-

PEARL. to take so much rmation is sure

#### TIME FOR

of things time has wings; o find and kind, to share everywhere; vns away, and time, ) climb; flower, any hour; to spare ere.

#### ONS FROM OUR ERS



152 Sailor Blouse or irt Waist for Misses and Small W men. 4, 16 and 18 years.



he

Man.

June 8, 1910

**OVER THE BORDER** Dear Cousin Dorothy:—This is my ball team, and the girls a basket-ball first letter to your charming club. team. I am in the basket-ball team. papa takes THE ADVOCATE and thinks I am having a week's holidays, as my chickens. I have one sister and two brothers.

FREDA HALFORD.

#### A COMPLIMENT FOR THE BOYS' CLUB

Dear Cousin Dorothy :- This is my second letter to your club. I saw my first letter in print long ago but the paper didn't come so I did not write again. I read the letters in the Boys' Club, too. The boys seem to be getting very smart now, for they were always behind time about writing to any other club. I have a nice big dog and I call him Bob. I am twelve years old and in grade 4. I have gone to school for about three years and a half.

There were nine or ten prairie fires all around us two days ago, but a big rain came and put them all out.

FANNIE MCDERMOT. (Thank you for the pretty card .----

#### A CRUEL ACT

Dear Cousin Dorothy:—This is my first letter to your Club. We get THE FARMER'S ADVOCATE weekly and we enjoy reading the letters, so I thought I would like to become a member also and try and give you a letter. I am at school here in Sinclair. It is not a big place but it has two elevators, a grocery store and hardware, also a drug store. We go to school regularly but our school is getting too small for the number of pupils, so they are building a new and larger one this summer.

We lost our pet dog here the other nice to have such a wigwam, but I week. Some person laid poison and a would not like to be called a "Wig." good few dogs were the victims. It The boys, at any rate my two brothers, was a very eruel deed to do. Our think it very nice to have a Boys' Club, dog's name was Noble and he rightly and I think it is but right that the girls and it think it is but fight that the gifts deserved the name. He was so faith-ful and so attached to us children and are all so sorry and we miss him greatly. The person who was mean enough to the city of Kelowna. I go to the Ellison destrict, the city of Kelowna. I go to the Ellison destrict is the city of the comparative for the city of 
FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

Western

how he did it.—C. D.)

The city is all right in the winter, but in the summer, it is awful—and the country is nice. On hot days in here, there isn't a shady place except the crowded parks I will be sorry to leave crowded parks. I will be sorry to leave the school here. It is much nicer than country schools. On our Red River farm an old lame Indian named Bush-ax and his blind wife live. He gave my brother a real Indian bow-and-arrow. I am so glad that the wild flowers are out now. We have found violets and buttercups even in the city. I am sending you an original story of my own, which I wrote at school for composition. My teacher said it was good enough to print. I am eleven years old, and am in Grade VI. I won't go through the list of my studies, as is

go through the list of my studies, as is usual. Hoping I have not taken up too much space. BOOKWORM. too much space.

Dear Cousin Dorothy :-- I wrote to the Western Wigwam about six weeks ago, but did not see my letter in print. I am afraid it did not escape the W.P.B. papa takes THE ADVOCATE and tinnes is away at teachers' convention. I am afraid it did not escape the W.P.B. I am afrai AITA. IGNORAMOUS. (14) (Very glad to hear from you again. I, too, miss the old members. Is that brother of yours a member of the Boys Club? Tell him from me that I think it would be a fine idea to build your

it would be a fine idea to build your stand for you and then write to the (Your penname had been chosen Boys, Club, telling the rest of the boys before, so you will have to think up an-how he did it.—C. D.) other.—C. D.)



A SHACK BUILT ON THE HEXAGON.

#### BLACK SPORT

Dear Cousin Dorothy:-This is my Dear Cousin Dorothy:-For several years I have been a silent reader of the first letter to your Western Wigwam, Western Wigwam. I think it is very and so I would like to see it in print. A DIG FARM I came from England eight years ago. I like living in Canada. I have a dog called Sport; he is a large black fellow, and also have a cat called Peter. My brother takes the FARMER'S ADVOCATE and likes it all right. A DIG FARM Dear Cousin Dorothy:—This is my first letter to your club. We live on the farm four miles from Tenore. We have twenty-one horses and one little colt, thirteen cattle and two little

FORGOT STAMP FIRST TIME Dear Cousin Dorothy :-this club once before but did not get a button. Perhaps I did not send a stamp. But I will be sure to send one this time

#### NEEDED RAIN

Dear Cousin Dorothy:—I will write to the Wigwam once more. We went to Blackfalds the 24th of May for the celebration. It is raining to-day, but it will make things grow. I like to hunt and trap. A great number of people went north last winter to the Peace River country. The seeding is all done in this part. The fall wheat is not much this year. I will now give some riddles for the Wing to guess:

Dear Wigs:—It has been nearly a year since I wrote to the "Wigwam" last. That time I forgot to give my address, so Cousin Dorothy couldn't send my badge that time, but I am enclosing a two cent stamp, for which, Cousin Dorothy, please send me one of the buttons to remember the charming club by

I think we have a very nice design at the head of our page. I have a cow, two heifers, and a pig of my own. I think I will sell them and buy a horse.

Our old cat has got eight little kittens. Our neighbor is sick, and my two largest sisters and my next to smallest brother are at school, while I am at home with my two little sisters and my little brother, tending to them while my parents are over to the neighbors. are seven of us children, four girls and three boys. Our school is three-quarters of a mile away. There are twenty-seven scholars in our school pretty good attendance for a country school, isn't it, Cousin Dorothy?

Gladiolus brought it up that the boys didn't support the Western Wigwam very good. She couldn't expect us to support it as good now, as we have a club of our own, which is something the girls haven't. I am sure we supported the Wigwam just as good at first.

Hoping every success falls on the Indian children and Cousin Dorothy. COWBOY.

#### A BIG FARM



wrote to

8627 Tunic Skirt with Five Gored Upper Portion, 22 to 30 waist.



6643 Boy's Sailor Blouse Su't. 8 to 12 years.

do this cowardly act has much need to school. I don't know whether it is change his nature and principle, and right or not, but I am very proud of for the future spare the feelings of it. Our teacher's name is Mrs. S., and children and others by the thoughtless we like her very much. My studies and cruel means there are used their are reading writing arithmetic gramand cruel manner they removed their are reading, writing, arithmetic, grammar, geography, singing, drawing, paint-ing and music. I think I like painting best. I am in the fourth reader. pets Man.

IOHANNA CAMERON (8).

A CALL TO THE WIGS

but I have not seen it yet.

We have many pets and most of Dear Cousin Dorothy:—This is my them know some tricks. We have a third letter to the "Western Wigwam." dog whom we drive in a wagon, not a I think that the corner is getting more interesting every week. But where are all the old members? The new mem-bers with interesting the second seco bers write interesting but short letters; when I reach my teens. they seem to think that because it is B. C. NE

NELLIE HERERON.

PROUD OF THE SCHOOL

the city long, being country-bred.

#### **KITTEN CATCHES GOPHERS**

first letter to your club. I am seven years old. I go to school, and I am in seven the part two. I have two sisters and We have brothers. We have about sixteen We have about sixteen 200 are like reading the letters in THE FARMER'S oats. We are going to plant 40 acres of barley. ADVOCATE. We have two dogs and of barley. One kitten. The kitten catches gophers. Man. MYRTLE DRYDEN (10). horses, two calves and three cows.

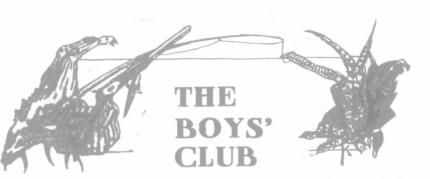
We have about thirty-five chickens. GIPSY ROSE. Alta.

my studies are arithmetic, reading, Dear Cousin Dorothy:—This is my spelling, geography, composition and st letter to your club. I am seven writing. We live three miles from writing.

> We have a nice-sized house and barn. We have a section of land with about 290 acres of wheat in, and 90 acres of

#### WHAT DO YOU LIKE TO DO? Dear Cousin Dorothy:-This is my

**COMING TO THE POW-WOW** first letter to the Western Wigwam. I Dear Wigs:—I'm coming to the pow- wanted to write before, but my mother wow too. I want a button also. Can said I was not old enough. I am going Inter hirst letter it does not need to be<br/>long. I say, all you Indians, we will<br/>have to be pretty smart, or the "Boys'<br/>Club" will be getting ahead of us! I<br/>have read every letter and they are all<br/>good ones. So if we want to keep ahead<br/>we must write better and longer letters.<br/>Cousin Dorothy, what would you do<br/>with a brother who will never do any-<br/>thing for you? I asked my brother to<br/>make me a small stand some time ago.<br/>but I have not seen it yet.A STORY BY BOOKWORMI have a function on the start and provided and the start and provide I have one, please? I read the letters to school every day. I drive when papa



#### MAKE IT LONGER NEXT TIME

856

to write to the Boys' Club for a long while. We have taken THE ADVOCATE for nearly a year and like it very much-I am sixteen years old, and stopped recourse to barter as a means of ob-school last year. I live on a farm five taining necessaries.

DEFENDER OF NATURE

the opportunity in your valuable from the general beauty of the land-journal of defending myself and my scape. bird and animal friends. In looking over the Boys' Club this week I notice a letter by John Burns, under the head-ing of "The First Defence." In the first place, he says that you should not discourage hunting and trapping, and he goes on as much as to say that it doesn't teach a boy to be cruel and savage; but, Waves dash against their rocky sides. as "Twenty-Two" says, he guesses their way to their sate birds circle on that is the way with most people, and I know he is right.

nothing but taking the life of what our great Creator put upon this earth for us to use." Let us take the Bible for a minute and turn to Genesis, 1st chapter, 27 and 31st verses, and we have these words: "So God created man in His own image, in the image of God created He him, male and female created He them, etc. Do those verses say that God created birds and beasts for us to kill? Not by any means; but He created them to be of use among their own race, that is, he created them to destroy such famous ponies. The inhabitants are things as would be injurious to man-of Norse origin and in their speech and kind. And where does it mention in the Bible, that our Saviour caught fish? I have been a student of the New Testament for some time and never saw anything like that in it; or if He did it was when He was hungry. He says: f eeding to their ponies, so these hardy "Then why not we follow His example?" little animals run wild in herds on the If He followed our Saviour's example hills or scatholds, picking up what food they can find. When the bleak wintry things.

the game when they get scarce, because rive a scanty living from the seaweed the game when they get scarce, becaused; they do not want them extinguished; but if they put a stop to hunting it would mean: (a) The extinguishing of crimes; (b) the advent of peace and this time of year too they will gather concord. People, especially the farmer, in groups near the homesteads and are are beginning to see more and more the benefit of birds; they are starting In spite of this precarious existence to see that when the birds are scratching the Shelties seem happy enough and in the grain that it is worms they are they are extremely hardy. They pos-looking for and not the grain. As for sess extraordinary strength for their the geese, they do not destroy the grain size, being able to carry a man or but are rather a help to the farmer, for they destroy insects and are the farm- tances. er's best friends. If the hawks or owls do destroy an occasional chicken they shaggy coats and flowing manes and are almost entirely beneficial to the tails, seem somehow to suit their wild, farmer, for they kill squirrels, weasels, badgers, skunks, etc., and for what they would take in poultry line they would replenish it ten times in the grain crops. It is a rare thing to see a junco or song of the fittest that makes these little sparrow among the grain. If trapping creatures so very small, as horses of is the only way a man can make a living he might just as well starve to death. there is an instinct in every person to age of thirty years and more, due probkill birds and animals, but where does ably to the healthful mode of life which that instinct come from? It comes direct they were forced to adopt, for they from Satan and is strictly going against were born in the fields and lived and the sixth law of God: "Thou shalt not died in them. kill." And in closing, as our Saviour The Shelties cannot be worked until has said: "Not a sparrow falleth to the they are three or four years old and Christie ground unbeeded." Let us, who pre- do not reach maturity until they are the of the same state of the sa

for a few sheep. There is little to for the Shetland pony. Dear Editor :- I have been intending attract either the agriculturist or the

school last year. I live on a failer to the lover of the ocategories the artist there is much to charm, and shooting very much. The ROBERTS. To the lover of the ocategories the islands some perhaps would describe the islands. The as barren—but what barrenness! The country, though destitute of trees, is

so varied in the nature of its scenery Dear Editor:-- I am pleased to have that their absence in no way detracts scape

Countless tarns, streams and lochs all serve to make the coloring of the heather-covered hills and the gloomy tints of the moors stand out in pleasing contrasts, while near the sea bold cliffs tower over the blue waters, whose their way to their nests on the ledges. The largest island is known as the

mainland, with a length of fifty-four In John's second paragraph he men-tioned these words: "He will be doing islands have a singularly mild and equable climate considering their exposed situation, and compose one of the most healthful districts of Scotland; but even the most adventurous tourists seldom visit them, because a doubtful sea trip in a small steamer is necessary before they can be reached.

Of the entire area of 551 square miles scarcely one-sixth is under cultivation, yet the Shetlanders manage to maintain something like 100,000 sheep, 20,000 cattle and 5,000 of the customs retain many of the character-istics of their forefathers. They support themselves chiefly by the herring and other fishing industries.

They cannot afford to give much little animals run wild in herds on the weather comes on they find their way It is true the government do protect down to the seashore, where they de-

In spite of this precarious existence

the best of things through the hard story brick warehouse with basement months of the year.

fondness for children and it is a curi- roofed over, and large traction engine ous fact that boys and girls are better shed. The general offices and showroom able to control him than their elders will be on the second floor. The propos-His popularity is universal, rising from ed buildings will have four times the the depths of the pit to the heights of storage capacity of the company's the throne, for the late Queen Victoria, present warehouse with ample room who spent much of her time in the north for additional warehouse space, as the of Scotland, showed a marked fancy

# **Trade Notes**,

#### ONTARIO WIND ENGINE CO

S. H. Chapman, president and general That the American workingman is at manager of the Ontario Wind Engine last enjoying true foot comfort, and and Pump Co., spent three weeks in health as well as shoe economy, is the Canadian West during the month evidenced by the orders that every of May, visting the company's branches mail pours into the factory of the Steel at Winnipeg and Calgary. At both of Shoe Company at Racine, Wis. The these points he arranged for very large factory is working at a terrific rate to additions to the company's plant to be keep pace with the demand. nut in hand at once and rushed to com- The secret of the success of "Steels" be found in another column.

for gasoline tractors this spring there in a recent letter to the company: "I many dealers and customers have been have saved three times the cost of my disappointed in not being able to se- steels already in cutting off the doctor the fact that everything possible has been done to increase the output by the fact that everything possible has been done to increase the output by the fact that everything possible has been done to increase the output by the fact that everything possible has been done to increase the output by the fact that everything possible has been done to increase the output by the fact that everything possible has the fact the the manufacturers.

mile west of their present plant at Win- Send a postal card to Steel Shoe Com nipeg, with a frontage on Logan Avenue, pany, Racine, Wis., and get the little Brant Street, Henry Avenue and Trin- book. Dept. 438.

happy period is of brief duration and ity Street, with excellent track facilities after this gleaning the Sheltie returns from the C. P. R., and they will at once to its hills and moors and makes proceed with the erection of a fourhaving 100 feet frontage on Logan This little creature has an abiding Avenue, with large loading platforms increase in their business may require from time to time.

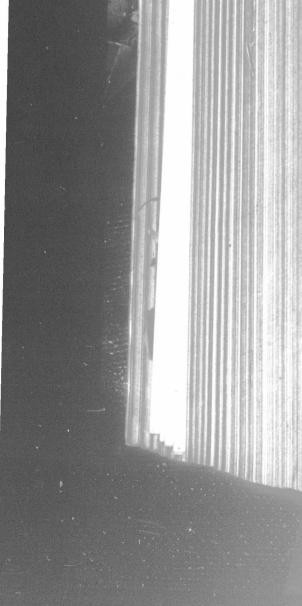
A warehouse almost as large as that proposed for Winnipeg will also be erected at Calgary, from which point their Alberta and British Columbia trade is now being handled. The company also contemplate additions to their manufacturing plant at Toronto.

#### WORKERS CAPTURED

pletion this fall, details of which will is that they solve the long standing problem of a perfect work shoe. They J. M. Reid, manager of the company, combine lightness and absolute foot made several flying visits to Minneapolis comfort with long-lasting qualities and during the month of May, to try to expedite the delivery of "Flour City" colds, rheumatism and stiffness after a engines from the factory of the Kin-nard-Haines Co. Owing to the very heavy demand leather shoes. As one workingman said

for every reader of the FARMER'S AD-Land has been purchased one-half vocate, at the company's factory.





#### RUSIC OF THE SECTION PONY

woman with apparent ease

The little ponies, with their rough rugged surroundings and the groups of them that are scattered about add the needed life to the landscape.

Perhaps it is a question of a survival a larger type would be useless on the boggy moors or on the stony hillsides. In closing, he states that he thinks They have been known to attain the

7 58 571 AND PONY is soft, the foothold is sure, the in- church, elligence is great, and altogether the Elliot, soft, foothold lies Sheltie is thoroughly well equipped for Farr, f

g ward right y as presented to the fills after the harvest; but that prevention of the above Act and renders him liable to prosecution. J. J. MURISON, Registrar.

The Veterinary Association of Saskatchewan

Under the authority of the Veterinary Association of Saskatchewan, Chap. 10, 1908-09, the following persons only are entitled to practice as Veterinary Surgeons in the Province of Saskatchewan, or to collect fees for services rendered as such:—

Gray, F. M., Battle Creek.
Graham, N., Indian Head.
al. Gibson, J. G., Heyburn.
Girling, T. A., Saskatoon.
d. Hopkins, A. G., Bratton.
Head, Chas., Regina.
W. Hatton. John Malfort Armstrong, J. A., Regina. Ayre, H. T., Regina Acres, Geo. H., North Porta Burnett, J. F., Regina. Regina H., North Portal. Geo. H., North Portal. Burnett, J. F., Regina. Back, Jas. A., Swift Current. Brice, Wm., Little Touchwood. Buie, John G., Quill Lake. Brock, A. McKay, Moose Jaw Burns, H. J., Rouleau. Branion, Everet A., Whitewood. Baker, Godfrey P., Togo. Black, D. C., Ambrose, N. D hasmar, R. G., Hanley. Jottrill, J. Fielding, Humboldt. Freamer, J. P., Qu'Appelle. Johnnn, A. R., Milestone. Jaw.

Victor V., Kimball,

dta. g, Thos. F., Francis. bill, T. J., Wolseley. ron, A. E., Winnipeg. m, W. R., Tugaske. agham, E. T., Vermilio du. J. A., Windthorst. Fartown. c. Fartown,
c. Regina,
c. Earl Grey,
o., Lemberg,
M., Fleming,
3cui, Moose Jaw,

Hopkins, A. G., Bratton.
Head, Chas., Regina.
Hatton, John, Melfort.
Houze, H. E., Indian Head.
Hilton, Geo., Ottawa
King: John, Carlyle
Kellam, Volney S., Estevan.
Littlehales, J. E., Elbow.
Lockhart, A. A., Carnduff.
Lee, Wim. J., Wolseley
Llovd A. M., Yellow Grass. Lockhart, A. A., Carnduff, Lockhart, A. A., Carnduff, Lee, Wm. J., Wolseley Lloyd, A. M., Yellow Grass, Murison, J. J., Arcola. Mountford, J. J., Prince Albert, Mustard, H. H., Hood Moun-tain Mustard, H. H., Hood Mountain.
Meakings, E. A., Willow Bunch.
Mann, Jas. H., Whitewood.
Matthew, R. G., Jansen.
Mead-Briggs, C. H., Saltcoats.
Moore, C. F., Lumsden.
McKenzie, Robt., Stoughton.
McClellan, M. P., Grenfell.
McLoughry, R. A., Moosomin.
McRae, Alex., Wapella.
McLaren, W. H., Lumsden.
Nichol, S. T. P., Outlook.
Orme, W. H., Saskatoon.

Olsen, N. P., Saskatoon. Ovens, H., Yorkton. Pegg, H. W., Oxbow. Paine, H., Rosetown. Pomfret, Henry, Elkhorn, Man. Paquette, Louis, Pense. Paterson, Jas. Bell, Yellow Grass. Richards, H., Indian Head. Reid, Wm., Bélcarres. Rathlon Axel von Holstein, Stockholm. Rathlon Axel von Holsean, Stockholm.
Spencer, Earl, Craik.
Stuart, W. P., Carlyle.
Smiley, S. S., Moose Jaw,
Sharp, H. R., Rocanville.
Snider, J. H., Moose Jaw.
Shearer, Wm. A., Lang.
Shields, A. M., Welwyn.
Thompson, W. Stanley, Davidson.
Thompson, John T., Moosomin,
Titus, A. E., Halbrite.
Tanner, Willet, Girvin.
Tordiff, A. G., Creelman.
Tanner, V. E., Broadview.
Wilson, John, Wingham, Ont,
Whybra, F. W., Prince Albert.
Wright, Norman, Saskatoon.
Wilson, John, Courval.
Wroughton, T. A., Dawson, Y.T.
Young, J. M., North Portal.

June 8, 1910

track facilities y will at once on of a fourith basement, ge on Logan ing platforms raction engine and showroom The proposour times the ie company's ample room space, as the s may require

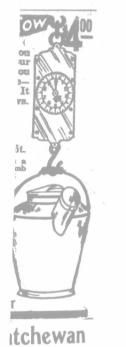
s large as that will also be n which point tish Columbia ed. The comadditions to nt at Toronto.

URED

rkingman is at comfort, and e economy, is rs that every ry of the Steel ne, Wis. The terrific rate to ind. ess of "Steels" long standing rk shoe. They absolute foot g qualities and ection against tiffness after a are guaranteed 's of best allorkingman said e company: "I

the interesting Steel," waiting FARMER'S ADany's factory. teel Shoe Comd get the little

the cost of my off the doctor



# THE NEW FLAVOR Questions & Answers

sold by grocers. If not send

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Mfg. Co., Seattle, Wn.

Crescent

recipe book.

AGRICULTURAL MOTORS

agricultural motors, and also a deter-

mination to make agricultural motors

tural motors, so well known in England,

their great output of power, combined with small weights, and handiness, which enables them not only to break

ing the land as do heavier engines.

the firm for particulars.

in Saskatoon.

A flavor used the same as lemon or vanilla. By dis-solving granulated sugar inwater and adding Maple-ine, a delicious syrup is made and a syrup better than maple. Mapleine is sold by grocers. If not send

GENERAL

FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

#### **CEMENT FOUNDATION**

Would a cement foundation under a barn on sandy soil be any better to be put down in a trench, or just the surace taken off ?-R. K. Ans .- A foundation trench, consider-

ably wider at the bottom than the thickness of the wall, had better be dug We note a further step forward in the below the frost line.

#### TRAINING HORNS

Have a bull, 13 months old, whose suited to the needs of farmers on small horns are not growing in a shape to suit areas as well as those who cultivate a me. How should I treat them to cause section or more. Saunderson's agricul-Have been told to scrape on the opposite side to which they are wanted to grow. being the holders of the Royal Agri- J. H.

cultural Society's special medal for Ans.—If you scrape at all, it should these machines, are being introduced be done on the side to which it is deinto this country by a company who sired to have horns turn. Probably are about to erect works and a depot as the bull gets older, the horns will as-Saskatoon. These motors are already largely on can be drawn together by applying sale in Australia, Africa and the Argen- a device which exerts a constant pull tine Republic, and have found their by means of a screw or by twisted way into every agricultural country in wire. the world. They are celebrated for

#### FIGHTING WILD OATS

The land I propose summerfallowwhich enables them not only to break ing is badly infested with wild oats. slow or thresh, but to be equally useful Can you give me any helpful sugges-for reaping, mowing, seeding, disking, tions regarding the best way of treating or hauling, their light weight not pack-ing the land as do heavier engines.

These machines should never be An.—The wild oats problem is some-idle, as they can take the place of the what difficult to solve. Wild oats can horse at all times for anything that is only be eradicated by constant en-wanted on or off the farm. The new deavor in many directions. Clean seed An.-The wild oats problem is some-Little Universal" will be a mine of is most important. The land should resource to the small farmer. It covers be disked or lightly plowed in the fall, the ground at a good speed, and is and again in the spring after the weed offered at a price easily within reach seeds have germinated. The wild oat of the average farmer. See the ad- is deep rooted and fallows should be verticement on earther proceed and reaction the second second be vertisement on another page and write cultivated during the summer with a A very trivial thing oftentimes causes. in the spreading of this very noxious

S. A. BEDFORD.

#### SEIZING THE FOAL

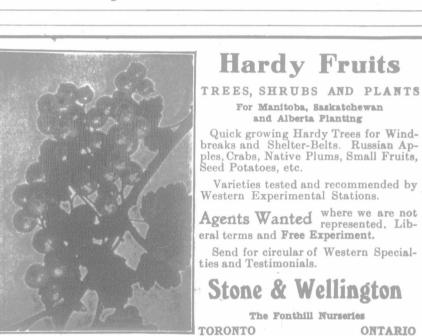
a horse to go lame, such as a slight weed. wrench, a sprain, a cut, etc. These M. are things to be expected. They are liable to happen to any horse at any time. The lameness may cause in-convenience, but it is not otherwise. A had a registered pedigree stallion, which he travelled last season. Terms: cases is to be ready to treat promptly single service, for season, or when proven with some efficient remedy. In this in foal. B bred all his mares, but connection it is a suggestive thought sold out in the winter and left the that for over a score of years one could country, saying nothing about the hardly speak or think of a horse remedy stud's fee. C bought a mare B said without calling to mind Kendall's was bred, but was not in foal, but she Spavin Cure. Perhaps no other single proved to be in foal. Can A compel horse remedy has ever been so generally C to pay, or can A claim the foal? used or had so great a reputation. Al- C. D., Alta.

most everybody who owns a horse has heard of it. Its popularity has not been confined to one locality or prov-ince. It is national, even world-wide. Alta. Ans.—Within twelve months after service the owner of the horse may file a lien as per section 10 Horse Breeders' Ordinance 1903. If the lien is filed a lien as per section 10 Horse Breeders' Ordinance, 1903. If the lien is filed

A clever advertisement may induce you to purchase very poor tea. If you buy



you run no risk, as your grocer will refund your money if you are not entirely satisfied with it.





ONTARIO

p. 10, 1908-09, the rovince of Saskatch

Saskatoon. ., Saskatoon. Yorkton. ., Oxbow. enry, Elkhorn, Man. Jas. Bell, Yellow

I., Indian Head. , Belcarres. txel von Holstein, Ixel von Alaria
olm.
Irl, Craik.
P., Carlyle.
S., Moose Jaw.
R., Rocanvile.
H., Moose Jaw.
m. A., Lang.
M., Welwyn.
W. Stanley, David-

John T., Moosomin, E., Halbrite. G., Creelman. E., Broadview. hn, Wingham, Ont, W., Prince Albert. orman, Saskatoon. hn, Courval. T. A., Dawson, Y.T. M., North Portal.

person is direct con-)N. Registrar.

It is found on the shelves of well posted as provided, and the debt is not paid

convenience, but it is not otherwise

serious. All that is necessary in many

Kendall's Spavin Cure has been in use sold for debt and costs. for nearly half a century, and its popularity is greater now than ever before. If it had not stood the test it would have been out of mind long ago. This old favorite horse liniment is on sale at drug stores and general stores everywhere. The excellent horse book, en-titled "A Treatise on the Horse and His Diseases," can also be had free

PIG MANURE VS. HORSE MANURE

sirable to set up active fermentation.

each is suitable for ?-D. C.

Falls. Vt.

horse owners in many countries. It is worth while to remember that is effected, the colt may be taken and is effected, the colt may be taken and

M. A. C.

#### PLOWING COMPETITION

We are having a plowing match near here, and I am thinking of competing. Can you give me any sugges-tions that will help me in preparing for the match ?—R. H., Manitoba.

Ans.—I would suggest that you pracat drug stores, or by writing for it to Ans.—I would suggest that you prac-the Dr. B. J. Kendall Co., at Enosburg tice plowing as much as possible between Real and the time of the contest. Acnow and the time of the contest. Accustom yourself to plow a uniform depth and width of furrow; above all take pains to start and finish the land to Will you please say whether pig of horses that you have been well acmanure has the highest percentage customed to and that are used to your of fertilizing matter, and which soil each is suitable for 2 D C seldom that a fussy or noisy plowman succeeds in winning a prize. His Ans.--Hog manure is much richer than horses become too much excited for horse manure, and is suitable for any good work. Have your harness and soil in which it is not especially de- plow clean and in perfect condition. S. A. BEDFORD. M. A. C.





No. 4, 21 h.-p.-Handiest and cheapest machine on the muket. Designed for small farms. Will plow two acres per day. Only one man required, who operates his plow from driving seat. Will pull a mower, harrow or disc, etc. Will haul 1½ to 2 tons on the road. Carries



No. 1, designed for large farms; will plow 15 to 20 acres per day; pull three binders, mowers or seeders; haul 12 tons on the road. Four-cylinder engine, fitted with three speeds—21/2, 31/2 and 7 miles

per hour-forward and reverse. Self-starting magneto ignition; fitted with steel cable for grubbing and road-making; carries fuel and water for one day's work. Extension wheels for soft ground. Made in two sizes, 22 h.-p., and No. 2, 14 h.-p.

a saw bench, grinder or pump, etc., which it operates where required One air-cooled cylinder, fitted with three speeds, 21, 31 and 7 miles per hour ; forward and reverse.

No. 3, 6 h.-p.—A larger size of the above, fitted with 2 water-cooled cylinders and three speeds. Has three plows, operated from driver's seat, as in No. 4, and will pull one eight-foot binder and drive a small thresher. Carries fuel and water for a day's work, and drives small machines, same as No. 4.

All our machines are fitted with self-starting magnetoes, and require no batteries, repairs and spares at depot.

For prices, catalogue and particulars, apply to

# CANADIAN AGRICULTURAL MOTORS, LTD., SASKATOON, SASK.

will you give use information as re-gard blind staggars in borses, causes and treatment? H. G. H. bised of the car, or of the brain will arian is competent to treat the case.

 Descriptions & Ans.—Blind staggers, or vertigo, is condition! generally brought about from an overloaded stomach—indiges to make the source of the stomate and vertice of the symptoms are the result of the stomach, or from the decomposing food in the stomach, or from the decomposing food in the stomach, or from the stomach, or the stomach the stomach or from the stomach, or from the stomach, or from the stomach, or from the stomach the stomach or from the stomach the stomach or from the stomach or from the stomach or from the stomach or from the decomposing food in the stomach, or from the stomach or from the decomposing the stomach or from the decomposing the stomach or from the decomposing food in the stomach or from the decomposing food in the stomach or from the decomposing the stomach or from the stomach or from the decomposing the causes of vertigo, among them by a too tight collar, or by a throat latch buckled too tight collar, or by a throat latch buckled too the store or the stomach or the system with an active purgative. If the trouble is due to mechanical interference with the flow or blood, from the collar or bridle being too tight, these discuss of the valves of the store or the store or the store condition. Is this shull be corrected. If from other dis Tumor BETWEEN CLAWS OF OX

Ans.—The only advice we can give is that you consult a veterinary surgeon, as the growth will in all probability have to be removed surgically.

ICED

STRONG

SMOOTH RUNNING GEARS.

UR-PAWL ATCHETS

O LOST

TOTION

TD.

#### June 8, 1910

#### COW HAS COUGH

Cow three years old, giving milk, has a cough, and has had ever since I got her, three weeks after calving. She has been fed on oat sheaves and bran mash and is in good condition and milking well. Would the milk from this cow be liable to be harmful to young children ?-F. H.

Ans .- You should have the tuberculine test applied to this cow. The cough may be due to tuberculosis. We advise you not to use the milk until she proves to be free from tuberculosis Frequently cows cough while in the stable, but in many cases the cough is not tubercular, but caused by dusty or musty feed, and the vitiated air of the stable. In the latter case when the cow is turned out on grass the cough soon leaves her.

#### STALLION HAS DISTEMPER

Have a three-year-old stallion with distemper. He is swollen under the jaw, and is running from the nose. He eats and drinks well, but still keeps thin. He does not seem to be getting any better or worse. What treatment would you advise?—M. W.

times a day with a 2 per cent. solution of hysol, and keep the surrounding parts clean with the same solution. Internally give mixed with slightly damp feed, three times a day a level teaspoonful of each of the following Calcium sulphide, powdered sulphate of iron and powdered cinchona. Turn him on pasture, in a paddock, but feed him grain twice a day.

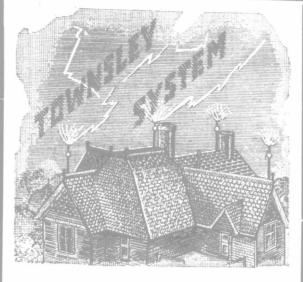
Ans.—Syringe out the cavities several

# **GOSSIP**

#### AGRICULTURE BY CORRESPOND-ENCE.

The State College of Agriculture of of educational activity, having just issued advance announcement of a course of home study in agriculture, which is to start at once and through which the college expects to reach the thousands who have not the opportunity of attending a regular classroom course. The subjects offered relate chiefly to agriculture, home economics and nature study. A text-book will be selected or lessons will be prepared for each course of study. Reference books and bulletins will be recommend ed. Lists of questions on each chapter or division of a subject will be forwarded carefully written, will be forwarded an expert. by the home student to the Director after careful criticism and correction,

# FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG



## THE TOWNSLEY SYSTEM

is the only system of Lightning Arresters manufactured in Western Canada, and the only system having the endorsement of the Mutual Farmers' Insurance Companies of Canada, and also of the Fire Commissioner.

Is your life and property worth protecting?

Write us to-day for FREE BOOKLET of information.

THE CANADIAN LIGHTNING ARRESTER AND ELECTRIC CO., LTD.

199 MAIN ST. - WINNIPEG, MAN.

# **Some Interesting Facts About Overlands**

## Our 800 dealers now are selling over \$200,000 worth of Overlands daily. That's a far larger sale than was ever attained by any other car in the world.

#### Some of the Users

The Government is one of the Overland users. For a year and a half some of these cars have been South Dakota, is entering a new field used in carrying the mails. For 500 days they have made their regular trips, winter and summer, without a moment's delay. Each of these cars has done the work of three horse-drawn vehicles.

The J. I. Case Threshing Machine Company some time ago supplied 25 Overland cars to their country salesmen. They report that one man with one of these cars can do two salesmen's work.

The Altman & Taylor Machine Co. have also begun to supply Overlands to their salesmen.

We have recently built delivery car bodies on 900 Overlands for the use of storekeepers who want them for use as light delivery cars.

#### All Due to Simplicity

All these new uses for Overlands are due to their to the student to answer. The answers utter simplicity. A novice can run one as well as

The operation of the car is by pedal control. One of College Extension. These papers, goes forward or backward, fast or slow, by simply pushing pedals. The hands have nothing to do

is relied on to carry the mails is the car which will always keep going.

#### \$3,000,000 Plants

Over \$3,000,000 has been invested to produce Overland cars in a perfect and economical way. The cars are made-as watches are made-by modern. automatic machinery. Thus we get exactness to the one-thousandth part of an inch. And thus every part is made exactly like every other similar part. All parts are interchangeable.

Because of this machinery and our enormous production we are able to make cars for less than anvone else.

This year we are selling a 25-horsepower car, with 102-inch wheel base, for \$1,000. We are selling a 40 horsepower Overland, with 112-inch wheel base, for \$1,250. And these prices include all lamps and magneto.

During the past year alone we have cut the cost of Overlands 20 per cent. by multiplied production and this labor-saving machinery.



859

ad. Carries and 7 miles

the market.

Only one Will pull å

water-cooled om driver's rive a small drives small

es. and re-

SASK.

CLAWS OF OX owth between the 1 feet. It is hard, utside and is very how any signs of ng larger. I have on it several times, with hot water. the soreness away ted a while he beagain. Otherwise condition. Is this R. P. dvice we can give

veterinary surgeon, in all probability urgically.

will be returned to the student. The but steer. student will also have the privilege of asking questions relative to the subjects in the courses of study and these inquiries will receive the special atten-

tion of the instructors in charge of the

The cost of the courses, including text-books, runs from one dollar up to about four dollars, being merely the publisher's price for the text-book, plus a small sum to cover cost of stationery and postage.

#### AN EMPIRE IN THE NORTH

To stand at a nation's crossing, nearly five hundred miles north of the provincial capital-almost as far north of Toronto as Chicago is West-and look south a hundred and forty miles to the lower apex of a twenty-million-acre V land (broken occasionally by outcroppings of rock, but comprehending many vast areas without a stone to throw at a bird), with the greatest

Overlands are almost trouble-proof. The usual complexities have been avoided. One of these cars has been run 7,000 miles, night and day, without stopping the engine.

A child can master the car in ten minutes. Any member of the family can run it. And a car that

The various parts of each Overland car are subjected to 10,000 rigid inspections. Then every car, before it goes out, is given a long trial run on rough roads. One of our test roads includes the worst hill in Ohio.

Thus we know that each Overland is a perfect car before it leaves the shop. There are no mistakes.

Those are part of the reasons why Overlands have now come to outsell all other cars that are made. You will want the car which others want when you

where you can see the cars.

The Willys-Overland Co.

Toledo, Ohio

Licensed Under Selden Patent

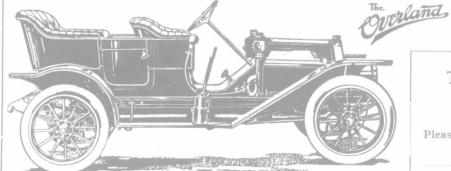
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**H** 94



pex of a twenty-million-acre V-area of good level agricultural broken occasionally by out-gs of rock, but comprehending



860

There is no risk whatever in ordering your twinenow. Our broad guarantee protects you fully.

If your crop is destroyed through hail, frost, rust or excessive rain, or if the twine is unsatisfactory in any way, return it to us at our expense and we will refund your money in full and any charges you have paid.

#### PRICES PER 100 LBS.

	Winnipeg	Brandon	Regina	Saskatoon	Calgary	Edmonton
GOLDEN MANILLA 550 feet to the lb.	\$8.59	\$8.70	\$8.92	\$9.02	\$9.23	\$9.23
EATON STANDARD 500 feet to the lb.	\$8.09	\$8.20	\$8.42	\$8.52	\$8.73	\$8.73

## EATON CATALOGUES are always free

UR catalogues are always sent entirely free of charge to you. Our present catalogue (Spring and Summer) is our largest and finest production. It consists of 212 pages of large size, all beautifully and truthfully illustrated, and the values are the very best obtainable. It contains everything necessary for home and personal use.

If you have recently come to this country and are unacquainted with the Eaton progressive method you could not do a wiser deed than to write at once for your name to be put on our mailing list. We endeavor to keep in stock everything that is needed for the home, the farm and the family.

In addition to our regular catalogue we issue every two months a special catalogue of groceries and an illustrated book of samples of men's and boys' clothing. A postal card requesting these catalogues will bring them by return mail.

The Guarantee a man or a firm gives the purchaser shows to what extent they are prepared to stand behind the goods they sell. We guarantee satisfaction with every dollar's worth of goods purchased from us. If the goods fail to please, return them at our expense and we will promptly return your money and any charges you have paid.

points, and the greatest nickel mines that much longer, which accounts for points, and the greatest nickel mines that much longer, which accounts for in the world southwest, at Sudbury, the incredibly rapid growth of vege-the whole covered with immense pulp-tation. The winters are steady, with-wood forests, and with some of the most out the deep snow that falls farther exquisite primeval scenery contiguous south, in the Muskoka and Parry to the rough mining regions; to turn, Sound districts. Summer frosts are then, westward, and ride thirty-five not particularly troublesome for a new miles along a new transcontinental country, and with settlement and miles along a new transcontinental country, and with settlement and miles along a new transcontinental country, and with settlement and railroad, across noble rivers, through drainage will become still less so. At level clay and muskeg country, which the new Government Experimental only needs clearing and drainage to Farm at Driftwood, now called Mon-make it fit for tillage; to look north teith, within thirty-five miles from the towards Hudson's Bay, with its whale National Transcontinental, fall wheat, fisheries and large possibilities of pleas- sown on September 18th, had struggled ure-seeking and commerce; then to through, and was making a fair show. ure-seeking and commerce; then to through, and was making a fair show-turn eastward and look out across ing on May 20th. Gardens were grown more of the good level land, continuing very successfully at the camps along irregularly into the hinder part of an-other province; to see at one's feet a on May 21st the writer pulled up, at new town (Cochrane), eighteen months Matheson, along the T. & N. O. R., a old, beautifully situated beside a lovely tuft of timothy with blades over a lake, at the junction point of a pro- foot long .- London Farmer's Advocate vincial government road, tapping the rich areas of old Ontario, and providing access for its commerce to a national transcontinental railroad, soon to link Atlantic and Pacific with another band of steel, remarkable for its direct route and wonderfully easy grades and and wonderfuny easy grades the of the stations is the noted that a midst of a nascent empire of tremen-dous potentialities, where pathfinders and sin the mares closely related to Sir Everard (10067), out of the Killellan mares closely related to Sir Everard dous potentialities, where pathfinders are already busy blazing the way, and to know that a fringe of scattered provinces is being broadened and con-solidated into a magnificent nation such was the privilege of one hundred and thirty editors last week, who took advantage of the Canadian Press Association's excursion to New Ontario. The excursion, following the con-the three-year-old fillies one is by Gen-eral Hunter (12161); a second is by Blackhand (11623); a third is by Gay such was the privilege of one hundred vention of the Press Association, had Edward (12586) out of a mare by been arranged by the executive in co- Gallant Prince (10552). There are two operation with the Grand Trunk Pacific two-year-old fillies, got respectively Railway, the Ontario Government, and by Cock of the North (12102), and by the Temiskaming & Northern Ontario Railway Commission, at a merely Gartly Squire (10350). nominal expense to the members. The party, which left Toronto Wednes-the party, which left Toronto Wednes-ONTARIO CROPS AND LIVESTOCK

day evening in a special train of Pull-

man's, and returned Sunday morning,

silver camp in the world eight miles three or four hours shorter than at beyond it, at Cobalt and neighboring the front, but in summer they are

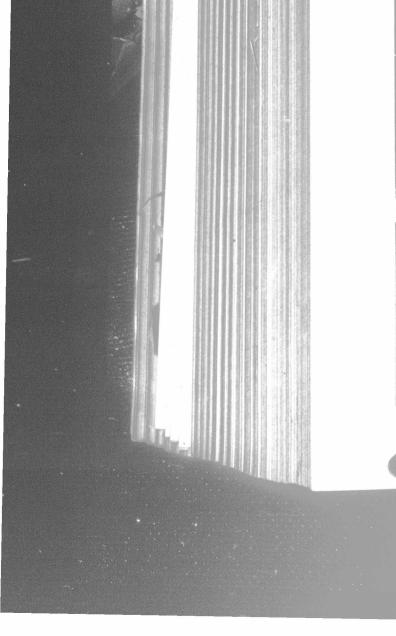
#### MORE CLYDESDALES

James Urquhart, Calgary, Alta., purchased recently a lot of fine Clydesdales in the Old Country. The importation contains nine fillies and two stallions. One of the stallions is the noted Star (5353). The fillies are of different ages, but mostly four-year-olds, three-yearolds, and two-year-olds. A four-yearold mare was got by Marcellus Blend

#### ONTARIO CROPS AND LIVESTOCK

Bulletin No. 104, of the Ontario Deman's, and returned Sunday morning, Bulletin No. 104, of the Onlard Lie was royally entertained, banqueted partment of Agriculture summarizes and dined along the trip by the rail- crop conditions in the province. Field roads, the town and mines of Cobalt, by operations have been the earliest for Haileybury, New Liskeard, Cochrane, many years. Most of the plowing had the construction companies on the been done in the fall, and owing to the National Transcontinental, and and mild winter but little frost remained finally, on the return trip, by the town in the ground after the most return away of North Bay, the southern terminus, early in March. The latter part of that and headquarters of the provincial month and the first two weeks of April government railroad. At the mines, were open and comparatively warm, and again at the railroad construction and an immense amount of sowing was camp, thirty-five miles west of Coch- then done, in some districts everything camp, thirty-five miles west of Coch-rane, the journalists are in the work-being practically completed but the ingmen's camps, partaking of pot-getting in of peas, corn and roots. The luck, which was by no means bad, even seed bed for spring grains, generally if it was eaten off tin plates and out of tin basins. That board in such unusually good, and the new crops were camps is far ahead of what it used to be, making a very early and most promising is apparent from the bill of fare at, showing as correspondents wrote. The say, the mining camp, which included latter part of April however, turned out say, the mining camp, which included latter part of April, however, turned out first-class meats, salads, pies, puddings, to be almost continuously wet, the rain-fresh strawberries and cream, and fall being about double that of the several other items. At the construc- normal, while the temperature remained tion comp it was much the same. At so low during that period as almost to tion camp it was much the same. At so low during that period as almost to New Liskeard, situated at the head check growth. But even with this of the beautiful sheet of water known setback spring sowing is about a month as Lake Temicloming and intermitting setback spring sowing is about a month as Lake Temiskaming, and just within earlier than last season, and a week or he apex of the great clay belt afore- two ahead of the average year. Fall nentioned, some of the party had a sub-the distance of the average year.

Founded 1866



**T. EATON COLIMITED** WINNIPEG CANADA

# **CARLSBAD TEA SET**

A PREMIUM WORTH YOUR TRY

pieces of handsome and dainty China; coloring and design Retails ordinards from \$5.00 to \$6.00. We will give this ending us four new subscribers with \$6.00

## anter a attors Rappier's Advocate winniped

mentioned, some of the party had a wheat is well forward and pr drive through the settled portion of the good appearance. Fruit blossomed district, and those who experienced about a fortnight earlier than usual, it pronounced this THE revelation in a It is unknown what fruit prospects trip of revelations. Splendid farming really are since the severe, wet weather country, admirably situated as to may have interfered some with the drainage, showing already creditable "setting." There has been more plant-improvements, well-cleared fields with ing of new orchards including apples, improvements, well-cleared fields, with ing of new orchards, including apples, improvements, well-cleared fields, with every evidence of good crops and pros-perity, reminded the visitors of Oxford and Woodstock. The whitish clay underlying the varying stratum of vegetable mold, has proven its product-iveness, and also the fact that it is easy to work, crumbling easily under the in-fluence of tillage, sun and moisture fluence of tillage, sun and moisture. except for an influenza which slightly Indeed, the term clay, as commonly attacked many, but in some cases as understood, is a misnomer, for it is sumed a fatal form of strangles. Cattle no more like the clay of Haldimand, have been remarkably free from disease. Kent, and some other sections of old but are rather thin in flesh owing to Ontario than lime is like flint. Prices somewhat close feeding. Milk cows for farm produce are good, as indicated are fewer in number than usual, but in by such quotations as twenty dollars a both doiry, and beef raising sections by such quotations as twenty dollars a both dairy and beef-raising sections ton for hay; and now that the two more calves are being kept. Fat cattle thousand or so of bona-fide settlers in are very scarce, and stockers are harder the clay are settling down to the the clay are settling down to their to procure than in former years; even legitimate business of clearing the land local butchers find it difficult to procure and farming after a former to procure the land local butchers find it difficult to procure and farming, after a fever of prospect- suitable animals. As a consequence ing and mining, the district shows evi- a good deal of inferior beef has been dence of entering upon an era of disposed of at good prices. Sheep are steady, solid and encouraging progress. doing well, lambs coming strong and The climate? Excellent, one would plentiful in proportion to the number infer. True, the days in midwinter are of dams. High prices for these also

shorter than at mmer they are ich accounts for growth of vegeire steady, withhat falls farther oka and Parry umer frosts are esome for a new settlement and still less so. At t Experimental ow called Mone miles from the ntal, fall wheat, th, had struggled cing a fair showdens were grown the camps along ast summer, and er pulled up, at Γ. & Ν. Ο. R., a blades over a armer's Advocate.

#### ESDALES

lgary, Alta., purfine Clydesdales The importation nd two stallions. s the noted Star got by Hiawatha of the Killellan to Sir Everard of different ages. olds, three-year-A four-yeards. Marcellus Blend led from a famous outrave. Among es one is by Gena second is by third is by Gay of a mare by ). There are two got respectively (12102), and by from a mare by

#### ND LIVESTOCK

f the Ontario Deture summarizes province. Field the earliest for i the plowing had and owing to the le frost remained e snow went away latter part of that wo weeks of April paratively warm, unt of sowing was stricts everything mpleted but the n and roots. The grains, generally nt, the catch was he new crops were nd most promising dents wrote. The owever, turned out usly wet, the rainuble that of the perature remained eriod as almost to even with this r is about a month on, and a week or verage year. Fall 1 and presenting a Fruit blossom arlier than usual it fruit prospects evere, wet weather 1 some with the s been more plantincluding apples, other fruits than several years past. restock are at a r horses are high by some to the n the provinces. 1 has been good, nza which slightly in some cases asf strangles. Cattle y free from disease, in flesh owing to ding. Milk cows than usual, but in ef-raising sections g kept. Fat cattle stockers are harder iormer years; even difficult to procure As a consequence rior beef has been prices. Sheep are coming strong and ion to the number ices for these also

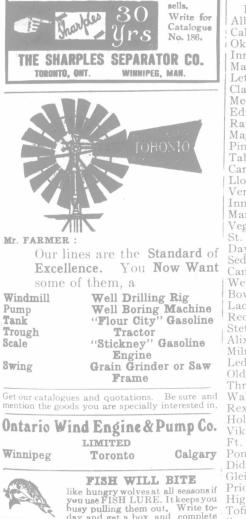
#### June 8, 1910

**Right Stand** Canadian farmers rightly insist that a cream separator which contains neither disks nor other contraptions, and yet produces twice the skim-ming force of common, complicated machines, must be most modern. They believe such a separator has made complicated machines out-of-late. This is common sense and explains why Canadian farmers are buying simple

Farmers Take

## **Sharples Dairy Tubular Cream Separators**

in preference to disk filled or Dairy Tubular Bowl. Made right. No other com complicated machines. The machines. The illustration shows all there is to the Sharp-les Dairy Tu-bular bowl. It disks needed containsneither disks nor other contrap-tions, produces twice the skims faster, skims twice as skimming force, skims faster, skims twice as clean, wears a lifetime and is several times easier clean, wears a meune and is so of a transfer to clean than common separators. The World's Best. The manufacture of Tubulars is one of Canada's leading industries. Sales easily exceed most, if not all, others combined. Probably replace more common separators than any one maker of such machines



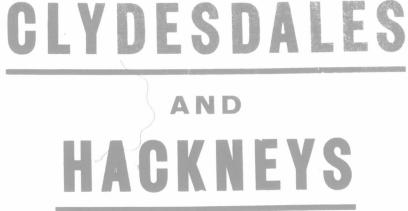
prevail. A correspondent very suggesively remarks that the rabies among dogs has been a boon to sheep. Swine are not so plentiful as in former years as they have been rushed to market at prices characterized by one corres-pondent as "sky high." In fact, there are complaints of too hasty marketing. Brood sows are in less numbers than the brisk market conditions call for. While a few large litters are reported,

FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

#### POLLED HEREFORDS

The Mossom Boyd Company, proprie tors of the Red Deer Hill Stock Farm in Saskatchewan, have succeeded fairly well in perpetuating polled animals in their herd of Herefords. A few years ago two polled bulls out of six located on the American continent were pur chased. Since then as many as 100 head of Polled Herefords have been on the ranch at one time. A few years ago a car load was sent to Chicago and sold by auction. Although arriving late and being offered the week follow ing a big sale of Angus and Herefords the Polled Herefords were disposed of at prices averaging over \$100 better than those paid for horned Herefords at the big sale. Mr. Boyd hopes in a few years to have a fully established strain of Polled Herefords

ALBERTA FAIR DATES 30sells. Following is a list of fair dates in Alberta for the year 1910: July 1 to 7 Calgary 12, 1314, 15 Okotoks Innisfail 3, 4, 5 9, 10, 11 Aug. Macleod 15, 16 17, 18, 19 23, 24, 25, 26 laresholm Medicine Hat Edmonton Raymond Magrath 28 Taber 29.30 Cardston Oct. Lloydminster 4 Vermilion 7 6. Innisfree Vegreville Sept. 16 St. Albert Daysland 21Sedgewick 22, 23 Camrose 27, 28 Wetaskiwin Bowden 29.30Lacombe Oct. 4, 5 Red Deer 5, 6 Stettler Alix Milnerton Sept. 13 14, 15 Oldsz. Three Hills 20 22, 23 Wabamun 27, 28 Rexboro 30 Viking .Oct. Ft. Saskatchewan 4 5. Ponoka 6, Didsbury 11, 12 Gleichen Priddis 6.6 13, 14 High River Sept. 28 Fishing Outfit to help introduce it. Enclose 2c stamp. Michigan Fish Bait Co., Dept. 13, Port Huron, Michigan. Cressfield Sept. 15, 16 Nanton Cockrane District 15, 16 Dates are not yet set for Stavely, T. M. Daly, K. C. R. W. McClure Strome-Killam, Trochu, Irvine, Irma W. M. Crichton E. A. Cohen and Airdrie. DALY, GRICHTON & MCCLURE ONTARIO FAIR RULES



I have just arrived from Scotland with one of the most select shipments of **CLYDESDALES AND HACKNEYS** that has ever been imported into the West. Among the lot is the great Hackney Stallion

## **"BRENTHAM PIONEER"**

This is undoubtedly the greatest Hackney ever imported into the West. Among his winnings are

## **1st AND RESERVE CHAMPION**

at the Highland at Aberdeen and 1st at Kilmarnock, beating some of the greatest Hackneys alive. Besides being a great show horse he has proved himself a very sure and excellent breeder, gets by him winning at all the principal shows in Scotland for two or three years.

The Clydesdales are a lot of big sized quality fillies and stallions capable of winning in the best of company. They are sired by such well known horses as **SIGNET**" "ROYAL FAVOURITE" "ROYAL "BARENSON" "FLASHPLATE" AND "BADEN POWELL"

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SAVE HORSES AND LABOR

to have eveners that are reliable. agricultural, 1,400 to 1,600 pounds; Heider eveners are made for 2, 3, 4, 5 gneral-purpose, 1,200 to 1,400 pounds; or 6 horses. The 4-horse plow evener works 4 horses abreast on gang, sulky carriage, over 15½ hands; roadster, 15½ or disc plane abreast on gang, sulky or disc plow, one horse in furrow, 3 on hands and under.

form scale for horses of the different classes as follows In hitching several horses it is wise Draft horses, 1,600 pounds and over

It has been decided to recommend to

district fair boards in Ontario a uni-

There is no side draft and it is Other suggestions, such as that every easily attached. They make clevices to fair should have parade of prize aniattach their eveners to all plows. They mals, that hall exhibits should be of also manufacture 3-horse wagon eveners, current year's manufacture, and that Subletrees, singletrees, neck- school-children's parades be encour-in eveners insist on getting aged, have been discussed. District if you want the best. If your conferences also, it is claimed, would it supply much the feat the framework of action The supply you, write the fac- tend to greater harmony of action ace. Their address is Heider among fair boards, and to improved Dept. 35, Cairoll, Iowa.

the latter being the sire of Mr. Marshall's great horse, "Momento."

As I purchased this shipment myself in Scotland direct from the breeders, and have no commission men to pay on this side, I can sell cheaper than any man in the trade. Breeders will do well to look over these horses before buying elsewhere.

Now is the time to buy as purebred horses are gradually going up in price.

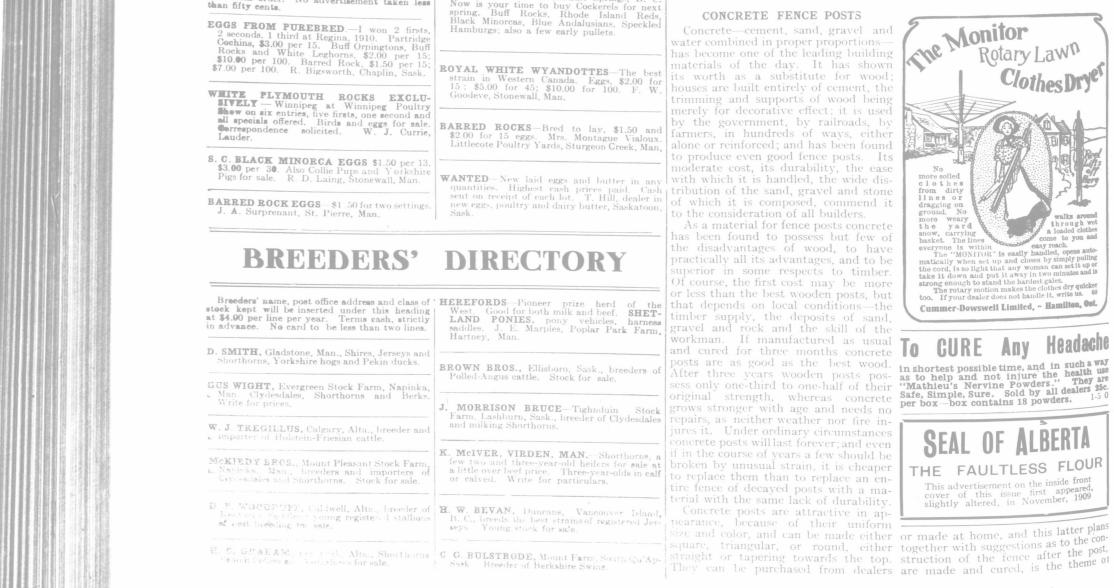
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LACLENNAN. mmissioner **NIPEG** 

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ured, is the theme of

## **PROVINCIAL EXHIBITION** CALGARY June 30th to July 7th, 1910 LARGE PRIZE LIST All freight refunded on exhibits originating in Alberta. Over \$1000 offered for grain competi-tion, including Acre Yield Competition. Milking machine demonstration and lectures Magnificent art and china display Best music and attractions, including The Navassar Ladies' Band Grand Fireworks Display Alber's Ten Snow White Polar Bears Herzog's Six Trained Stallions The Six Abdallahs Brothers marvellous acrobats Ramza and Arno, clever comedians Al. G. Barnes' trained wild animal shows Reproduction of the making of the Blackfeet Indian Treaty, illuminated with Fireworks For Prize List and Entry forms, write I. S. G. VAN WART, E. L. RICHARDSON, President CHANGE OF TIME RAILWAY JUNE 5, 1910 WHEALLER & OARLE BRAZIERS ENGINEERS MACHINISTS Machine and Foundry Work of Every

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Plant in Western Canada, and make a specialty of this class of work.

#### FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG ~

Farmers' Bulletin No. 403, recently last year, and left ten foals; a good tioned are more or less rough, while issued by the United States depart- record. ment of agriculture. The author takes Two-year-old colts were a small class. a slight gloss. The scar on the dodder the insertion of steel rods or wire in the Pride. molds when making the posts, is disto certain needs. The work of mixing, with Dunure Amos, by Hiawatha. Under "fence building" is given inmolds, methods and results. The pam- ite. these agents except when fully satisfied repeated her victories. through reports from one's banker or lawyer that the company represented by the agent is reliable and that the agent is their authorized representative. Patents have been issued on special by the agents. No one need hesitate to use the simple form of construction use of re-inforced concrete fence posts mals are in good shape.

#### HEMP CULTURE

The blue grass region of Kentucky, in the centre of which lies Lexington, raises about 20,000 acres of Cannabis coln, Neb., and an equal number in the periment Station hemp fibre produced in the United inch in diameter. production is offered.

#### TORONTO EXHIBITION

pigs are liberally dealt with. Particular in samples examined in the seed la-attention is being paid to the encourage-ment of public school work, and there are liberal prizes for sewing by children, penmanship, drawing, etc. That the attraction end of the exhi-bition is not being neglected is evidenced by the announcement that one of the musical attractions will be the Grena-dier Guards Band, of England, the Empire's finest military band. Empire's finest military band.

Yearling colts were a strong class, led Such a glass is indispensable in the ex-

Under "fence building" is given in-four-year-old mare, Boquhan Lady struction as to setting the posts, at-taching the wire, stretching the fencing and the use of line anchors. Nine il-Ustrations give datailed derayings of Three-year-old mares were led by J. lustrations give detailed drawings of Ernest Kerr's Ferelith, by Royal Favormolds, methods and results. The pam-ite. Two-year-olds were a very in-phlet closes with a warning to persons teresting class, and here David Douglas intending to buy post molds, either was first, with the big, handsome filly, steel or wooden, to beware of travelling Lady Douglas, by Revelanta, and steel or wooden, to beware of travelling agents who are selling molds or rights for the sale or use of their respective molds. No dealings should be had with the second, with ment of a fair-sized consignment of sweet Melody, by Hiawatha. In a big clydesdales. James Carruth, Portage class of yearlings, Mr. Dunlop's Myrene la Prairie, and Robt. Ness, Howick, Ouebec, owned thirteen and eleven head

#### NEW HERD OF RED POLLS

A choice herd of Red Polled cattle is being established by E. Henderson, of Victoria, B. C. He has procured of victoria, B. C. He has procured choice animals, selected as follows: Sweet Rose, champion and grand champion in Washington; Cossy, a fine ten-and-one-half-months specithey are just as good as the special men, out of Miss Davy, a first prize forms advertised and recommended winner as a two-year-old at Chicago, and by the grants. No one production is a start with Martin and by the grand stock bull, Master (11915). From J. T. Maynard he bought the champion bull, Sir Ross; mon use in all countries for a number the silver cup yearling heifer, and the of years, and all claims that the general male are in good share. We the these aniis controlled by patent rights are un-justified and untrue. HEMP CULTURE BEST States and a state of the big Centennial at Winning in 1014 Winnipeg in 1914.

#### DODDERS ON LEGUMES

Particulars regarding the various sativa, from which hemp is procured, kinds of dodder sometimes found in The acreage devoted to hemp in other clovers and alfalfa are given as follows parts of the United States is very in a press bulletin recently prepared small, perhaps 600 acres around Lin- by G. M. Frier, of the Indiana Ex-

Indiana, Pennsylvama, Wisconsin, Mich-igan, Minnesota, Iowa and Arkansas. Russia produces more for export than all other countries, but Italy, Austria-Hungary, Germany, France, Belgium, Turkey, China and Japan grow it commercially for fibre. All the Description of the United ince the foreign countries pro-the Mississippi and in the states east of manual other countries, but Italy, Belgium, Turkey, China and Japan grow it commercially for fibre. All the Description of the United ince the foreign countries pro-the Mississippi and in the northern what flattened; the surface is finely pitted. It is from 1.30 to 1.24 of an A dairy cow is often j

The prize list of the Canadian Nation-al Exhibition, August 27th to Septem-ber 12th, shows a liberal list of premi-the form the form th ums for exhibits from the farm, the red clover, and should be quite easy 10,000 pounds milk, and another 13,000 garden, the home and the public schools. to clean from it. The size and shape pounds. Sometimes a cow is valued The list calls for the distribution of of the seed is variable, the larger seeds, because she is easy to keep, or she is a stock, dairy products, however, are nearly circular, and are docile family pet. Coming nearer to women's work, horticulture, educational gray to brown in color, sometimes hav- the practical test, a farmer may judge women's work, horticulture, educational exhibits and similar lines of Canadian industry. The amount given to horses alone is \$12,000, every class from the pony to the draught horse receiving recognition, while cattle, sheep and pigs are liberally dealt with. Particular ettagetion is being paid to the encourage-

issued by the United States depart-record. ment of agriculture. The author takes Two-year-old colts were a small class, a slight gloss. The scar on the dodder up in detail the selection of sand, gravel, Wm. Dunlop's Dunure Footprint was seed is much less evident than is that crushed rock and cement; the choice first. Wm. Taylor was second with on the clover seeds. Dodder seeds are of molds, either steel or wooden, and if the Cir. United to the clover seeds. of molds, either steel or wooden, and if the Sir Hugo colt which stood first at generally smaller than good red elover wooden, the proper way to make square Kilmarnock, and John Pollock was seed or alfalfa seed. All who use or or triangular molds. Reinforcement, third, with Ruby Blacon, by Ruby handle the smaller farm seeds are urged to procure a good magnifying glass.

cussed as to the principle involved and by Mr. Kilpatrick's brown colt, by amination of seed for dodder and other the kinds of re-inforcement best suited Everlasting. Wm. Dunlop was second, impurities. A tripod lens, costing about 50 cents, seems to be as convenient a form of lens as any on the market. molding and curing is explained with The male championship went to a form of lens as any on the market. minuteness, and the variety of styles Dunure Footprint. The female cham- As a further means of identifying dod-which can be produced described. pionship went to Stephen Mitchell's der seed, soak the latter in water a few the the title of the pionship went to Stephen Mitchell's der seed, soak the latter in water a few hours, then with needles pick a seef apart, and with the aid of the lens f the embryo, or undeveloped plant within. In dodder the tiny plant within the seed, will be found to be slender,

#### CLYDESDALES FOR PORTAGE

threadlike and coiled.

Quebec, owned thirteen and eleven head respectively. The former had a three year-old filly, by Ruby Pride (12344), out of a mare by Prince of Carruchan (8151); a two-year-old filly by Sir Hugo (10924), out of a mare by Pride of Airies (11454); a three-year-old filly by Montrave Ronald (11121), and out of a mare by Gallant Prince (10552); a two-year-old filly by Sir Hugo (10924), out of a mare by Baron o' Dee (10264); a three-year-old filly by Montrave Ronald (11121), out of a mare by Prince Alick (11100); a two-year-old filly by Hiawatha (10067), out of a mare by Sir Hugo (10924), and descended from the mare, Flower of the Forest; a three-year-old filly by Stalwart (12380), a son of Hiawatha and out of a mare by Sir Everard (5353), the sire of Baron's Pride; a two-year-old filly by Enigma (10729), out of a mare by the Hiawatha horse, Michaboe (11434), and her grandam is again by Sir Everard, and descended from Flower of the Forest; a twoyear-old filly by Benedict (10315), out of a mare by Macgregor (1487), and two three-year-old fillies—one a Hiawatha (10067), and the other by British Chief (12500). Two colts go along lower Sacramento Valley in California, with small experimental plantings in vers and alfalfas. It is found in Indiana, Pennsylvania, Wisconsin, Mich-Europe and other foreign countries pro-Baron's Pride (9122). and the other Mich-Baron's Pride (9122). and the other Mich-Baron's Pride (9122). a yearling, by Nether Barns (13639), out of a mare by Newtonairds (4564), a

#### JUDGING A DAIRY COW

A dairy cow is often judged by the scale of points of the breed to which hemp fibre produced in the officed inch in diameter. Scale of points of the breed to many scale of the Western alfalfa seed used in Indiana. of milking powers. Appearances are The larger seeds of this dodder are sometimes deceitful. Recently a farmer about the size of the smaller alfalfa near Ormstown, Que., sold five cows at

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\$30.00 to \$50.00 . 15c Money sent by Telegraph and Cable Issued in all Stations of the Canadian Pacific Railway Co.

3rd and 4th; the display of Clydesdale Dodder seeds are larger than those of marcs and fillies was specially good, the clover dodder, or of small-seeded al-stallions, none older than three years falfa dodder, notched at the sear, or grounded on one side, and variously works full time, and returns a handsome flattened, angled, or grooved, on the indiameter, and are to work full time, and returns a handsome margin of profit above the computed cost of feed. The one finallitie test is a record of the production of each to Wm. Taylor, for Sir Winston, by 1-16 of an inch in diameter, and are to work full time, and returns a handsome variable in color, being yellowish, pur-Hiawatha; second to Matthew Mar-shall, for Marathon, by Marcellus; third to Wm. Barr, for Sir Galahad, by Baron o' Buchlyvie. He served ten mares of the secds of all the dodders men-

4. Field Dodder -- This is apt to ap- totals that are only estimated are gen-

4. Field Dodder. -- This is apt to ap-<br/>pear in either clover or alfalfa, whether<br/>grown east or west of the Mississippi,<br/>At the Glasgow Spring Show, May<br/>and is extremely destructive. Field<br/>and is extremely destructive. Field<br/>tainty of the cow's ability to produce<br/>milk and fat economically: the generous-<br/>the generous-<br/>the generous-<br/>the generous-<br/>the display of Clydesdale<br/>the clover dodder or of small-seeded at minded mostlish and data committed are gen-<br/>erally in excess of the actual yield.<br/>The positive proof of value is cer-<br/>tainty of the cow's ability to produce<br/>milk and fat economically: the generous-<br/>the clover dodder or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or or or of small-seeded at minded mostlish and data committee or or or of small-seeded at minded mostlish and data committee or or or of small-seeded at minded mostlish and data committee or or or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or or of small-seeded at minded mostlish and data committee or ot

#### FUJI WICKO SAFETY . N

#### ELEMENTS IN THE SOIL

His Friend Said Relationships of carbon, phosphorus and nitrogen in soils have been fully discussed in a bulletin recently prepared by Professor Robert Stewart, of the Agricultural Experiment Station in Illinois. Details are given in Bulletin 145. A thorough treatment of the

quantitative relationships of these ele-Mr. J. B. Rusk, ments is given. Orangeville, Ont., Following are the conclusions arrived writes: "I had been at by the professor troubled with Dys-

1. The phosphorus-nitrogen ratio in the surface soil of the brown silt loam soils is 1 :13.5, while the same ratio in the black clay loam soils is 1 :11.4.

2. Under normal conditions the nitrogen-carbon ratio of the soil has a tendency to become narrower as the age of the organic material increases: the ratio, however, never becomes narrower or even equal to the ratio of the more common proteins contained in the humus-producing materials.

not deceived, for they were the best I ever used. They gave relief which has had a more lasting effect than any medicine I have ever used, and the beauty about 3. The nitrogen-carbon ratios of the ordinary brown silt loam soils of Illinois are 1:12.1, 1:11.5 and 1:8.9 in the surface, sub-surface, and subsoil respectively. The ratios in the black clay loam soils are 1 :11.7, 1 :11.9 and I believe them to be the best medicine Price 25 cents a vial or 5 for \$1.00, at all dealers, or will be sent direct by mail :9 in the surface, subsurface, and subsoil respectively.

4. The phosphorus-carbon ratio in the surface soil of the brown silt loam is 1 :165.2, while the ratio in the surface soil of the black clay loam soils is

1 :163 . 5. The calculation method for determining organic phosphorus is very conservative in character and can be relied upon in drawing broad general conclusions.

6. The evaporation on the water bath of the ammoniacal solution, in the preparation of the matiere noire in quantity for analysis, causes a hydrolysis of the organic phosphorus compounds.

7. The determination of the phosphorassociated with the precipitated matiere noire, is not a quantitative method for the determination of the total organic phosphorus of the soil. It should be regarded only as a good qualitative evidence of the existence of organic phosphorus in the soil.

8. The contention of Fraps that, "There is no evidence that the phos-phoric acid in the filtrate is in organic combination" and that, "It is probably derived from the iron and aluminium phosphates" is entirely untenable

#### MILKING RECORDS

During the period from May 12th to May 15th, 1910, records for 239 cows have been accepted for entry in the Holstein-Friesian Advanced Register; five of which were begun not less than eight months after the freshening of the cows making them, and nine of which were semi-official yearly or lactation records. Of the 225 ordinary records, twenty-five were extended to thirty days. The averages by ages or classes

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ALFALFA : This book deals on its production, qualities, worth and uses-especially in Canada. Cloth bound, 161 pages and illustrated. Will be sent to any subscriber sending us one new subscriber and \$1.50 to pay this subscription for one year.

HORSE SENSE: Contents of this book are as follows : Breeding, selection of stallions and brood mares, care and handling, different types and uses, road to improvement, government ownership of stallions, feeding of horses, natural laws governing action, correcting bad habits, receipts, veterinary questions and answers, by J. C. Curryer, M. D. - a ready reference book in every sense. Cloth bound, illustrated, 245 pages. Only one new subscriber at \$1.50 is all that is required for this book.

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The Price."

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"dd advised me to give your Laxa-Liver Pitton trial, but I told him I had tried so matty "cure alls" that I was tired paying

outhmoney for things giving me no benefit. He said, 'If they don't help, or cure you, I will stand the price.' So seeing his faith

in the Pills, I bought two vials, and I was

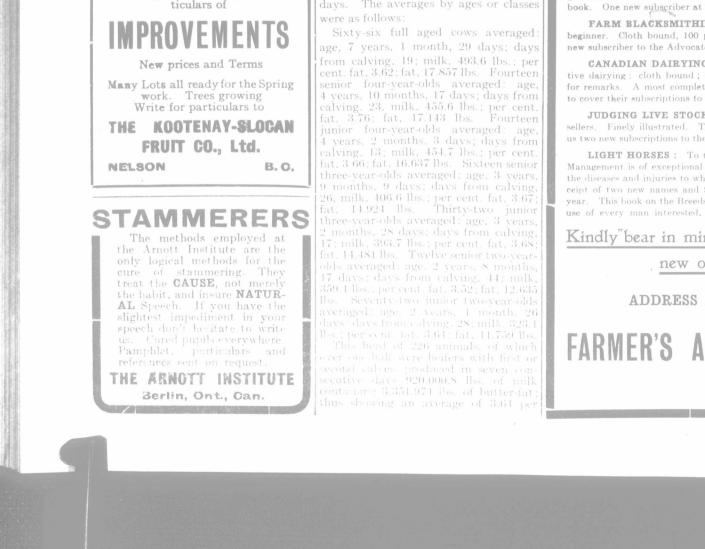
thein is, they are small and easy to take.

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June 8, 1910 Founded 1866

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This book will

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Forty-two full aged cover average. Of agreenting, and concerts and public condition denotes a full crop good age, 6 years, 11 months, 18 days; days lishes also the annual criminal statistics quality, which may be above the aver-from calving, 27; milk, 468.5 lbs.; per of the Dominion. from calving, 27; milk, 468.5 lbs.; per of the Dominion. ent. fat, 3.50; fat, 16.405 lbs. Twelve In 1908, under the powers conferred to the maximum under specially favor-genior four-year-olds averaged: age, by the Act of 1905, the Census and able circumstances. The grades of con-senior four-year-olds averaged: age, by the Act of 1905, the Census and able circumstances. The grades of con-take a days days for a second calving, months. 8 days; days from calving, statistics for the whole of Canada. 31; milk, 380.4 lbs.; per cent. fat, 3.57; fat, 11.804 lbs.

This herd of 168 animals, of which over one-half were heifers with first or second calves, produced in seven consecutive days 68,718 lbs. of milk containing 2,414.216 lbs. of butter-fat thus showing an average of 3.51 per cent. fat. The average production for each animal was 409 lbs. of milk containing 14.37 lbs. of butter-fat; equivalent to 58.4 lbs. or 28 quarts of milk per day, and over 163 lbs. of the best commercial butter per week. M. H. GARDNER.

#### AYRSHIRE RECORDS

According to a report from W. F Stephen, secretary of the Canadian Ayrshire Association, eighty-nine cows and heifers were registered in the record of performance test up to May 1, 1910. Thirty-two mature cows averaged 10, 851 pounds of milk and 401.80 pounds of butterfat; eight four-year-olds averaged 9,570 pounds of milk and 365.80 pounds of butterfat; eighteen three-year-olds averaged 8,164 pounds of Census and Statistics office. The num- threshing, when the crops are beyond

of butterfat. the mature class Annie Laurie heads throughout Canada; (2) their condition which represents a crop unaffected to the list, with 15,134 pounds of milk and progress during growth; (3) the any appreciable extent by frost, rust, and 598.4 pounds of butterfat. In a quality, yield per acre, and total yield smut, etc. class of fifteen the totals range down of each crop by approximate estimates In 1908 three preliminary estimates to 8,629 pounds of milk and 378.12 before harvest and by definite estimates were made as to the expected yields pounds of butterfat, or 9,037 pounds after threshing; and (4) ascertainment of the principal cereal crops, viz., on of milk and 353.94 pounds of butterfat. of the numbers of the different descrip-Seven records are given in the four-year-old class ranging from 11,268 work (horses and oxen), for milk and form the seven records are given in the four-tions of live stock, their condition for To arrive at these, correspondents were requested to enter the anticipated yield of Springbank, with 8,839 pounds of values of products, the prices of fodder, and for all Canada. Under this plan milk and 395.33 pounds of butterfat. the wages of farm help, and the stocks the total wheat crop on July 31, 1908, in a clear of fotone. of butterfat.

#### FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

cent. fat. The average production for minion, this census embracing not only of crop areas for Canada obtained in each animal was 407.1 lbs. of milk con- the enumeration and classification of this way were published for the first each annual 428 and 58.2 lbs. of butter-fat; equive the people, but also a comprehensive time in July, 1908, and are now avail-alent to 58.2 lbs. or 28 quarts of milk account of the whole of the productive able for the years 1907, 1908 and 1909. alent to 58.2 105. or 25 quarts of minic account of the whole of the productive able for the years 1507, 1505 and 1505 per day, and 173 lbs. of the best of com-mercial butter per week. These aver-nages approach the phenomenal, even for a Holstein-Friesian herd. The phenomenal is a set of the country. A quinquen-for the productive able for the purpose of expressing the veloping Northwest provinces of Mani-ter a count of the whole of the productive able for the years 1507, 1505 and 1505 For the purpose of expressing the numerical method of the United States veloping Northwest provinces of Mani-ter a transport of the productive able for the productive able for the productive able for the purpose of expressing the numerical method of the United States veloping Northwest provinces of Mani-dent to the productive able for the purpose of expressing the productive able for the purpose of expressing the numerical method of the United States the productive able for the productive able for the purpose of expressing the productive able f

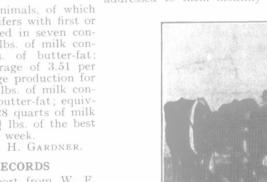
May 11th, records for 168 cows have addition, the Census and Statistics and adapted to Canadian conditions. been accepted, four of which were ex- office undertakes intercensal statistical That is to say, the condition is expressed been accepted, four or which were ex-tended to fourteen days, thirteen to thirty days. The averages by ages or classes were as follows: the dered from time to time by the minister represented as 100. The term "standard dered from time to time by the minister represented as 100. The term "standard dered from time to time by the minister represented as 100. The term of grand Forty-two full aged cows average: of agriculture, and collects and pub- condition" denotes a full crop of good

fat, 13.583 lbs. Forty-nine junior two- step was the selection and appointment employed lend themselves usefully to year-olds averaged: age, 2 years, 1 of a body of practical agricultural cor- purposes of comparison with previous month, 11 days; days from calving, respondents throughout Canada to fill periods. 26; milk, 334.3 lbs.; per cent. fat, 3.53; up and return the schedules of questions

During the period from April 30th to toba, Saskatchewan and Alberta. In described has been taken as a mode

4 years, 10 months, 3 days; days from Statistics office began a system of dition are divided into five, viz., "full 4 years, 10 months, 5 days, days from 5 datisfies once began a system of diobin are divided into inter, (e., e., "good," calving, 13, milk 468.8 lbs.; per cent. monthly reports on the crops and live crop," denoted by 100 or over; "good," fat, 3.53; fat, 17.199 lbs. Thirteen stock of Canada, under which in future represented by any figure from 75 to junior four-year-olds averaged: age, annual agricultural statistical estimates 99; "average," from 50 to 74; "fair," 4 years, 2 months, 12 days; days from for the Dominion will be available dur-from 25 to 49; and "poor," below 25 13; milk, 444.5 lbs.; per cent. ing the intercensal periods. These new This method of ranging the percentage fat, 3.54; fat, 15.735 lbs. Sixteen senior statistics cover the areas and yields of numbers into grades has the advantage three-year-olds averaged: age, 3 years, the principal agricultural crops, the of presenting a more definite idea to 9 months, 14 days; days from calving, numbers of live stock, and monthly re-9 months, 14 days, days from carving, humbers of nye stock, and monthly re-20; milk, 429 lbs.; per cent. fat, 3.46; ports on condition and progress during fat, 14.832 lbs. Seventeen junior three-the season of growth. Previously to himself to the representation of values year-olds averaged: age, 3 years, 3 the commencement of this system in by percentage numbers, may easily the charge from eaking the season of growth. year-olds averaged: age, 5 years, 5 the commencement of this system in by percentage humbers, may easily months, 12 days; days from calving, 1908, there existed no arrangements classify the crops he reports on under 15; milk, 408,7 lbs.; per cent. fat, 3.52; for the collection and publication an-fat, 14.405 lbs. Nineteen senior two-year-olds averaged: age, 2 years, 9 Dominion Government, of agricultural In addition to their use in conveying a clear and definite idea of the present clear and definite idea of the present In undertaking this work the first condition of growing crops the numbers

> In September, upon completion of addressed to them monthly from the the harvest and commencement of



056 pounds of milk and 297.65 pounds vices are entirely voluntary.

milk and 346.5 pounds of butterfat and ber of correspondents is at present be- the problematic stage, schedules are thirty-seven two-year-olds averaged 7,- tween 2,500 and 3,000, and their ser- issued to correspondents for the purpose of recording the numerical percentage The crop reports are concerned with of a standard of quality under the four

OXEN ARE USED TO ADVANTAGE IN BREAKING PRAIRIE SOD.

The figures for tests conducted in (1) the ascertainment of the areas under grades as previously defined, the basis 1909 show some creditable records. In each of the principal agricultural crops of comparison being a standard of 100,

In a class of fifteen, the lowest was of grain in farmers' hands. 5,782 pounds of milk and 259.29 pounds bushels (excluding at this date the Borthe estimation of crop areas correspondents are requested to enter on Maritime provinces and British Columthe schedules supplied the estimated bia, where, however, wheat is not a very **CROP REPORTING** Methods of crop reporting in the leading countries of the world are discussed in a pamphlet recently issued by Ernest H. Godfrey, F.S.S., of the Census and Statistics office. Ottawa Ont It is supplied the estimate of the schedules supplied the estimated bia, where, however, wheat is not a very large crop); the second estimate on August 31, gave 124.69 million bushels. Drought of the correst of the world are discussed in a pamphlet recently issued by under wheat for instance, is 5, 10 or continued diminution of yield which is and Statistics office, Ottawa, Ont It under wheat, for instance, is 5, 10 or continued diminution of yield, which is formed a paper given at the meeting 15 per cent, above or below that figure. reflected in these preliminary forecasts, of the British Association for the ad-Vancement of science at Winnipeg, 10 per cent, larger, he enters 110 in the yield, based upon actual threshing re-last summer.



865

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down to 8,005 pounds of milk. Eleven beef (cows and cattle), for mutton and per acre of each crop in their districts three-year-olds gave quantities running wool (sheep), and for pork (pigs). In- and the resulting averages per acre from 11,377 to 7,158 pounds of milk. cidentally inquiries are made, and the multiplied by the number of acres gave trom 11,377 to 7,158 pounds of milk. cidentally inquiries are made, and the inhibiting by the humber of actors gave In two-year-olds the best was Jerunna results are published, respecting the the total production for each province LAND BEGULATIONS

vancement of science at Winniper, last summer. Dealing with Canada he says: "The present organization for the Dominion of Canada dates from the Dominion of Canada dates from possible of the Department of Agricultured on the basis of the Department of Agricultured on the basis of the Census Act of 1870. The decennial census of 1907, for taking the decennial census of the Do-taking the decennial census of the Do-



ANY person who is sole head of a family or any male over eighteen years old, may homestead a quarter-section of available Domin-ion land in Manitoba, Saskatchewan or Alberta. 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.

nomesteader. 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 owned 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 patent) and cultivate fifty acres extra.

#### Founded 1866

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# The Bad **Effects** of CONSTIPATION

866

Impure blood, offensive breath. heavy head, shortness of breath, bilious attacks, fitful sleep, loss of appetite, feverish conditions, all come from one cause-Constipation.

# The Good **Effects of BEECHAM'S** PILLS

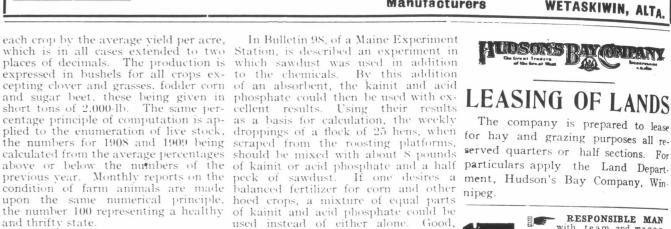
remedy these conditions because they remove the cause. They start the bowels, work the liver, sweeten the breath, cleanse the blocd, tone the stomach, clear the head, improve the appetite and bring restful sleep.

The oldest and best corrective medicine before the public is Beecham's Pills.

Sold Everywhere. In Boxes 25 cents.



A solid steel machine, easily worked with four horses. Takes the place of thirty men cutting by hand. Will clear from five acres a day up. Get the brush off your land. It is no good for any purpose and it's hard to sell brushy land.





#### COLOR OF MINORCAS

feathers ? Some of mine have white feathers in the wing. -SUBSCRIBER. According to American Stand-Ans ard of Perfection Black Minorcas are disqualified if pure white is found in any part of the plumage, extending more than half an inch, or if two or more feathers are tipped or edged with positive white. Of course, there are White Minorcas, in which no appearance of in a summer season of six months have color other than white is allowed.

#### POULTRY MANURE

ing with the preservation and value of poultry manure is given by Prof. F. W. Morse, of New Hampshire Agri-cultural Experiment Station, in bulletin form. He say

As is well known, when the poultry droppings accumulate under the roosts s a strong odor of ammonia noticeable. is treated as follows Several chemicals of more or drawn from their winter locations out ss fertilizing value in themselves may to an open hayfield where the crop has added to the droppings from time been harvested and the grass is short to time with good effect, both in stop-ong wa te and in making the atmossime field may be used a second season place of the henhouse more whole-one for chickens, but this is not recom-mended. A new, clean piece of turf

In Bulletin 98, of a Maine Experiment should be mixed with about 8 pounds dry meadow muck, or peat, would be equally as good as sawdust, if not betr, to use as an absorbent.

THE IMPROVED ROOSE BRUSH CUTTER

BRUSH CUT

In the experiment mentioned more than half of the ammonia was lost in ien manure without chemicals, when compared with that which had been mixed with them. Fresh poultry man-ure at the present values of fertilizers would be worth 60 cents per hundred pounds. Figures from different experiment stations would give the pro- by omitting the moist mash and keeping duct of 25 hens for the winter season of in separate slatted troughs cracked six months as 375 pounds from the roost droppings only

Poultry manure is especially as a top Do Black Minorcas have white dressing for grass because of its high content of nitrogen in the form of ammonia compounds, which are nearly as quick in their effect as nitrate of soda. A ton of the manure preserved with sawdust and chemicals would be sufficient for an acre, when compared with a chemical formula for top dressing.

On the same basis of comparison, 100 fowls running at large on an acre should added to its fertility the equivalent of at least 200 pounds of sulphate am-monia, 100 pounds of high-grade acid A brief summary of information deal- phosphate, and 60 pounds of kainit.

#### FEEDING CHICKS ON RANGE

Poultry management at the Maine Agricultural Experiment Station is

as true case. Wood a has pullets differ, and there has been a

and the second in the morning and evening with a first used mixture of commeal, mid-

g Each method has given good re-The changes have been intromodel to save labor. After the chick-acte moved to the range they were

tenth as much beef scrap was added.

The development of such an odor is a By the middle of June the chickens sure sign that gaseous ammonia is es- that were hatched in April are being caping into the air to be lost for the fed on cracked corn, wheat, and the present. How to prevent such a loss mash. At about that time the portable tically the proportion eaten when the to prevent the development of the houses containing the chickens are moist mash was used.

Two



WETASKIWIN, ALTA.

WRITE FOR FULL PARTICULARS TO

MCNAMARA & ROOSE

Manufacturers

The company is prepared to lease for hay and grazing purposes all reserved quarters or half sections. For ment, Hudson's Bay Company, Win-



The other two feeds were of wheat and cracked corn.

In 1904, a change was made in the manner of feeding 1,400 female chickens corn, wheat, beef scrap, cracked bone, oyster shell, and grit where they could help themselves whenever they desired to do so. Grit, bone, oyster shell, and clean water were always supplied. There were no regular hours for feeding, but care was taken that the troughs were never empty

In 1905, another trough containing a dry mash consisting of 1 part wheat bran, 2 parts cornmeal, 1 part middlings, and 1 part beef scrap was used in addition to those containing the grains. The results were satisfactory. The labor of feeding was far less than that required by any other method The birds did not hand around tried the troughs and overeat, but helped themselves, a little at a time, and ranged off, hunting or playing, and coming back again to the food supply at the troughs when so inclined. There was troughs when so inclined. no rushing or crowding about the attendant, as is usual at feeding time, recognized as being successful. In a where large numbers are kept together. bulletin discussing methods of handling While the birds liked the beef scrap, and when they are left in barrels there the flocks chicken feeding on the range they did not overeat of it. During the range season, from June to the close

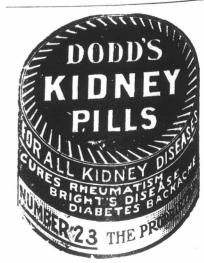
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The bet materials for this purpose land should be used each year. vicano, or land plaster, acid phass acres should be allowed for each 1,000 and knim, a do ap potash salt, chickens. classical character power. When the chickens are moved to the is a scarponial with the range, the sexes are separated. The tast as it is at the frequencies of feeding the cockerels and







June 8, 1910

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d wagon bond, as cts, Stock, niments tc. Write your own sall, Sec., ik, Iowa.

Departny, Win-

# Heart Trouble Cured.

Through one cause or another a large majority of the people are troubled with ome form of heart trouble.

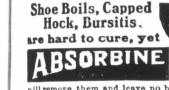
The system becomes run down, the heart palpitates. You have weak and dizzy spells, a smothering feeling, cold clammy hands and feet, shortness of breath, sensation of pins and needles. rush of blood to the head, etc.

Wherever there are sickly people with weak hearts Milburn's Heart and Nervo Pills will be found an effectual medicine. Mrs. Wm. Elliott, 

Heart Trouble Cured.

you stating the benefit I have received by \*\*\*\*\*\*\* using Milburn's Heart and Nerve-Pills. I suffered greatly from heart trouble, weakness and smothering spells. I used a great deal of doctor's medicines but received no benefit. A friend advised me to buy a box of your pills, which I did, and soon found great relief. I highly recommend these pills to anyone suffering from heart trouble."

Price 50 cents per box, or 3 boxes for \$1.25, at all dealers, or mailed direct on receipt of price by The T. Milburn Co., Limited, Toronto, Ont.



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#### FARMER'S ADVOCATE AND HOME JOURNAL, MICHPEG

The difficulty of keeping, the feed incubator on here, she clean and dry during continued expos- make a large payment ure is nearly overcome by using troughs unless he has become exact with slatted sides and broad, detachable ning an incubator.

The lath slats are 2 inches apart, and A good outdoor the troughs are 16 inches high from many as hens. I have found floor to roof. The roofs project about cubator chicken thrive and grow and 2 inches at the sides and effectually keep come to maturity just as soon as chield out the rain except when high winds hatched and mothered by hens. Perprevail.

lifting one end and sliding it endwise of their existence. I do not believe in on the opposite gable end on which it putting too many in one brooder. I rests. The trough can then be filled think fifty to sixty enough to do well and the roof drawn back into place in 100 size brooder. The other chicks without lifting it. This arrangement I give to broody hens and they generally is economical of feed, keeping it in good take them very well. condition and avoiding waste. When dry mash is used there may be considerable waste by the finer parts being blown away, and on this account the dry-mash trough should be put in a sheltered place out of the reach of wind.

#### INCUBATOR MERITS

Editor Farmer's Advocate:

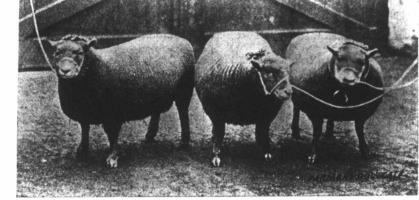
the great merit of incubators lies in the weight. In the Old Country egg buyers fact that they will hatch chickens with greater certainty in the early spring than hens are likely to. If it happens that a couple of hens become broody emanating from egg consumers: The early in March, the likelihood is that a cool spell of weather may come and regards condition shall be sold; second, they will forsake the nest and you lose the eggs, to say nothing of the trouble. Further, the incubator can be attend- large ones there is a difference in value ed to in the house by the farmer's wife, to the consumer that is never indicated

roofs. The troughs are from 6 to  $10^{-1}$  do not think incubates a feet long, with the sides 5 inches high, so difficult to raise as that haps they entail a little more work and The roof is very easily removed by require more attention at the early stage

ROSAMOND GRABHAM, Sask

#### MARKETING EGGS

With the increasing demand for quality in food stuffs the question of the condition in which eggs are placed on the market becomes one of growing imortance. In certain States in the DITOR FARMER'S ADVOCATE: United States legislation is being con-In relation to incubators, I consider sidered to compel the selling of eggs by are insisting more and more on large sizes, so that there is growing up in the egg trade two insistent demands, both first that a better quality of eggs as that eggs shall be sold by weight, for between a dozen small eggs and a dozen and is much more convenient and by any difference in price. Quality,



THE PRAIRIE PROVINCES CAN STAND MORE OF THESE. 17775

come-at-able than the sitting hen in the however, is of the largest importance poultry house or stable. Then there is in the egg trade, quality meaning the not the chance for pig, dog or stray outward appearance of the egg, its age animal to disturb the hatch. Every and the flavor and condition of the one who has tried hatching by hens contents of the shell. knows how very disappointing it is to up just before hatching time.

cubator is therefore, in my opinion, very point. much the best for hatching purposes. a flock of fifty hens will find it to his saucers, and examine the yolks.

The poultry-keeper, to make a profit find the nest of eggs disturbed or broken on egg production, must keep the most prolific breeds, and that is of more im-Best of all the incubator enables a portance to him than color of shell or man to keep a flock of hens that are all mere size. The value of an egg does not for laying and that do not become depend upon either, and sooner or later broody so quickly and often. The in- the public will be educated up to that

Let anyone in doubt take two eggs believe the 100 to 120 egg machine to the very largest and the very smallest be the best size and anyone having in the basket, break them into two advantage to invest in an incubator will be found that the size of the shell this size, as by this means he can largely bears little or no relation to the size of increase the flock in one year and by the yolk -- in fact, the smaller egg often preaking up the broody hens can secure has the larger one. If a hen lays a a lot more eggs from the fifty hens than 2-oz. egg, that is large enough for marhe could possibly do under other cir- keting, and if she commences as a pullet cumstances. An incubator should be with an egg  $1\frac{3}{4}$  oz. there is nothing the on every farm in the Northwest; as matter. I am convinced not only that the cool spring weather makes them a the nutrition of an egg is not in renecessity and they are both interesting lation to the size, but that the chickens and profitable. A brother-in-law in are not quite so strong from the very England wrote to say he was running largest. For this reason I never set his incubator in February, but I think them, but only those of medium size



ter, wood and wall page are not.

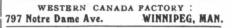
Metallic Ceilings are fireproof, absolutely. Metallic Ceilings don't

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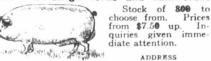
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# will remove them and leave no blem-lah. **Does not** blister or remove the hair. Cures any puff or swelling. Horse can be worked. \$2.00 per bottle, delivered. Book 6 D free,

and Henderson Bros. Co. Ltd., Vancouver.

wheat and ade in the le chickens nd keeping s cracked cked bone they could ley desired shell, and supplied or feeding he troughs

containing part wheat part mid p was used aining the atisfactory r less than er method and around but helped and ranged ind coming oply at the There was out the ateding time, pt together. beef scrap, During the o the close ust about 1 unds of the This is pracn when the



# ER



it not advisable to start a hatch in this or a trifle over. There is no doubt that country until the middle of March, we could by selection build up a race of Adhere faithfully to the directions fowls to lay 3-oz, eggs, but no student sent with the machine and then I don't of Nature's laws will believe that we

I hear of some that have such experi-some other direction. That it would ence. A poultryman who had been in seriously impair the vitality of the the habit of hatching with a machine strain and would lead to decreased of one make last year got one of another number of eggs seems to me certain, make as well (the same as I use) and he

see how failure can result. Although can get such a gain without a loss in

make as well (the same as I use) and he filled it with his purchasel eges. I don't contok or sublit. I dow if he ran it according to the manu- There is no relationship between facturer's directions; anyhow the rescolor of shell and quality of egest in sult was he only got one don't the first deed, of those marketed, the white ones hatch. Another futurer barrowed an are to be preferred. The reason for inculator of the same number from a this is simple. Most eges are produced neighbor and at the end of the first by furmyard here. Of these the leavier hatch he had no double to all so it breads the Norths and there descends even sho he that is some who begins an arts hav brown on the header

several Spavins trwin Van Fleet.



for approximation, measured in the second s Dr. B. J. KENDALL CO., Enosburg Falls, Vt.

"SAVE-THE-HORSE 5 R ow), Curbs one of hair. Horse works a wees paid. Troy Chemical Company, Binghamten, N, Y. And 14 Van Horne St., Toronto, Ontario

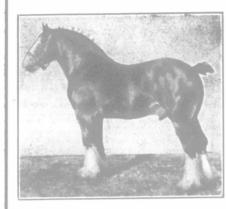


In looking for stallions or mares, don't buy until you have seen what W. W. Hunter is offering, as he buys and sells every stallion himself.

Your first purchase at this establishment means another life-long satisfied customer. Some of the best stallions and mares that were imported to Canada are in the importation which arrived November 20, 1909. Address all correspondence to-

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**Importers and Breeders** of Percherons Clydesdales, and Hackneys

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We have landed three impor-tations of Clydesdale and Percheron stallions in 1910, and think they are the best we have ever owned. Write or come and see them.

We are importing a large number of Clydesdale, Percheron and Belgian mares in July, and will endeavor to get young mares of quality and size in foal to some of the world's most famous sires. If this interests you, write now, and tell us what you want.

Our prices lowest; terms most liberal, and guarantee genuine. **VANSTONE & ROGERS** Head Office and stables, JAS. BROOKS, Manager.

WAWANESA, Manitoba

# The Full Percentage of Cream

Getting the full percentage of cream from milk depends as much upon the oil used to lubricate the separator as upon the separator itself. Gummy oil will cut the fine bearings of your machine, spoil its balance and waste good cream in the skim-milk pail.



ones. The lighter and more active that fertile eggs do not keep so well as fowls wander farther from home and the unfertile eggs do not keep so well as fowls wander farther from home and the unfertile ones where every care is pick up more animal and insect food, taken, apart from the risk of such eggs hence the eggs are richer than those being absolutely spoilt by being ac-from the stay-at-homes. I have bred cidentally sat upon for a few days. were in pens, all fed alike, could not detect any difference in the quality.

Birds in confined runs, not too well ing pens. If the eggs are collected looked after, often lay pale-yolked eggs of poor quality. This is due to poverty of the blood, and the anæmia is quickly the land is muddy dirt will be carried cured by a dose of carbonate or citrate to the nests on the hens' feet. Such of iron and the addition of meat and eggs should be washed, and if very staingreens to the food.

#### NECESSITY FOR ALBUMINOIDS.

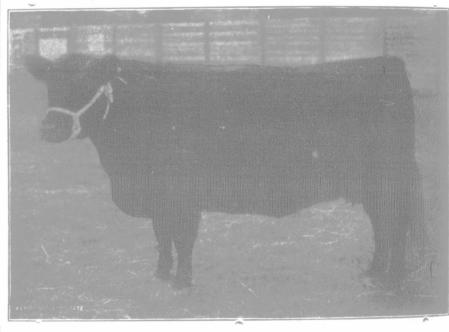
pure albumen. The yolk of egg con-tains albuminoids 16 per cent., fat 30 per cent., salts 1 per cent., and the mand a higher price than white ones white has albuminoids 12 per cent., they should be sorted out, but, if not, fat 2 per cent., salts a little over 1 per As an egg is largely composed of water—53 per cent. in the yolk and 85 per cent. (nearly) in the white—it can usually be done by keeping the will be seen that out of the total dry largest and smallest for home consumpmatter the yolk contains about one- tion, but where large quantities are third albuminoids and the white about dealt with they should certainly be four-fifths. To meet this grain alone graded. Eggs about of one size will is not sufficient. Taking dry weight always pass muster, but when large and of wheat grain we find that only about small are together the small ones are one-seventh consists of albuminoids, sure to be found fault with. In the whilst of lean horse meat from which large depots wood wool is used for pack-all water has been eliminated more ing—excellent, soft, cleanly material than four-fifths is albuminoids. Eggs should be marketed twice a

and other Mediterraneans lay white keep the cock, and it is equally certain

In studying to preserve the highest quality, it would seem the safer course etect any difference in the quality. to keep no cockerels except in the breed-Birds in confined runs, not too well ing pens. If the eggs are collected ed may lie for a quarter of an hour in water in which a little vinegar has been NECESSITY FOR ALBUMINOIDS. An egg is one of the most nitrogenous things in nature, the white being nearly The welk of egg construction of the most nitrogenous the perfect bloom after washing as before, so it is better to keep the nests clean and avoid it when possible. In markets where brown eggs commixed colored ones are more attractive

#### SUFFICIENT GRADING

To get quality in eggs, then, we must week, especially in warm weather. An



FINE TYPE OF GALLOWAY, A CHAMPION AT THE ROYAL.

see that birds in confined runs get a geg is at its best for eating at about the plentiful supply of meat and green food. For the former beef scraps minced or boiled, bacon rind, gristle, and any meat waste from the house, bones cut whilst we do. With due care as to the quality fresh, butchers' scraps, and boiled of the contents and the cleanliness of paunches, will serve admirably; and the shell, combined with prompt marfor the latter almost any roots: turnips, keting, we have nothing to fear, and mangels, cooked carrots, parsnips, pothet a higher price than anything kind, clover, grass, vetches, green-pea, which comes from abroad. see that birds in confined runs get a egg is at its best for eating at about the kind, clover, grass, vetches, green-pea, which comes from abroad. dandelion, cress, lettuce, in fact, almost anything we cat ourselves is suitable.

MARKETING Having secured the quality, the next

G. A. PALMER.



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Founded 1866



feeds freely into the closest bearings and insures the perfect lubrication that is essential to the free spinning of the bowl and the complete separation of cream from milk. It lessens the driving effort and lengthens the life of your separator.

One gallon cans. All dealers. Or write to

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400 acres of good land, 16 miles east of Cranbrook. The Crow's Nest Pass Railway forms the northern boundary, and a station is on the land. The soil is a gravel loam, well suited for fruit growing. All merchantable timber has been removed, and apart from a few stumps scattered over the land, it is ready for breaking. 100 acres can be put under cultivation at once. Price \$10 per acre, on easy terms

BEALE & ELWELL, CRANBROOK, P.C.

upon the market in the most attractive manner, and poultry-keepers are no exception to this rule. Few realize how quickly an egg takes a taint from anything with which it comes in contact. If it has touched anything of the nature of creosote or petroleum the flavor is distinctly perceptible. When it has lain on manure or musty hay there is an objectionable taste, even if not decided enough for one to be able to say exactly what it is. If only to save washing the eggs, the nests should be kept clean and the straw (short cavings being best) renewed frequently. Some The Vegetable Growers' Association the vegetable growers in Ontario have ambitions to grow their own seed. The Vegetable Growers' Association writers have been raising a question last year conducted experiments to recently that most of us thought was demonstrate that this seed could be settled—whether here kept along have a McMeans, settled—whether hens kept alone lay produced in the province. A. McMeans, as many eggs as those which have males of Ontario Agricultural College, has with them? The fact that most prac- investigated the onion industry in tical poultrymen only use cocks where Ontario and also in some of the States eggs are required for setting, and keep of the American Union. He gives the eggs are required for setting, and keep of the American Union. He gives the on doing so year after year, seems to following in the report of the Ontario point to their being no perceptible dif- Agricultural and Experimental Union: ference It is certain that each hen This work was done for the Ontario would have to lay 5 per cent more to Design of Agriculture at the rewould have to lay 5 per cent. more to Department of Agriculture, at the re-

## ONION SEED IN ONTARIO

ually certain p so well as ery care is of such eggs being ac. w days. the highest safer course in the breed. e collected dry weather but when l be carried feet. Such very stainan hour in gar has been never has ter washing to keep the en possible. eggs comwhite ones but, if not, e attractive keeping the

me consumpuantities are certainly be one size will nen large and nall ones are vith. In the used for packnly material. eted twice a weather. An

AL.

ig at about the nd if we only foreigner can condition than to the quality cleanliness of prompt marto fear, and intain and be than anything A. PALMER.

ments sent out.

haps minor but important detail.

June 8, 1910

FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

Where Grown			Plante	ed.	nting.	te of First loom. H	First larvest	Number of Seed Heads Harvested.	Sold of bulls,
Leamington Guelph Clarkson Humber Bay Simcoe Scotland	$     \begin{array}{r}       109 \\       102 \\       100 \\       114 \\       120 \\       134     \end{array} $	$   \begin{array}{c}     30 \\     25 \\     25 \\     28\frac{1}{8} \\     30 \\     35   \end{array} $	$50 \\ 60 \\ 50 \\ 60 \\ 120 \\ 64$	2.200	17. Au 14. Ju 13. Ju 7. Ju	ig. 14 Se ly 20 Se ne 29 A ly 20 Se	ept. 1 ug. 28	$210 \\ 148 \\ 160 \\ 345$	GEO. RAND Oakner P.O., Man. SHORT Great Pr
Where Grown.	Weight of seed harvested. (Ounces).	se d n nun	Junces of seed per bushel of bulbs planted.	Number of heads to produce an ounce of seed.	Weath diti	er con- ons	Soil a	nd Remarks.	Special prices and Shorthorns to make ro see them, or write for pa Barred Plymouth Rocl R W. CASWI Box 1283 Sask C. P. R., C.
Leamington . Guelph Clarkson	5 13§ 12	90 206 216	$8\frac{1}{3}$ 27 $\frac{1}{4}$ 24	19.6 15.41 12.33	Cool & moist. Too wet. Very poor.	Dry Very dry. Very dry.	Clay dra Sandy pos lots	loam needs inage. / loam, ex- ed to wind,	Special impor for breeders at
Humber Bay Simcoe Scotland	$16\frac{1}{2}$ 40 24	250 300 340 3	29 <del>1</del> 66 <del>3</del> 42 2-7	9.69 8.62 13.62	Very wet. Wet & cold. Too wet.	Very dry. Very dry. Very dry.	Clay nor Sandy sub Heavy	loam, facing theast. 7 loam, clay soil. y sand loam, thern expo-	

quest of the Vegetable Growers' Associ-It is the intention to test out samples ation, and in making the investigation, of the above mentioned seed at different I also touched on the seed question. places throughout Ontario to see if it is In looking up full information on that possible to find out what part of this point, I found that onion seed was province can grow the best seed, and to handled by the American Seed Trade also see if any change takes place by Association to the extent of upwards having the seed grown in one district of one million pounds of seed annually. and the crop from that seed grown in About 70 per cent. of this seed is grown another. To give you an instance of in California, the balance, with the ex- what I mean, I will tell you what I ception of the Bermuda and Italian gleaned from a California seed grower varieties, in the states of Connecticut, from a conversation I had with him this Pennsylvania, Ohio, Michigan, and a fall. He informed me that although little in Oregon. In my investigation California produced 70 per cent. of the through Michigan and Ohio, I found onion seed sold in America, yet it was several men who were growing onion necessary for them to import onion seed seed extensively, and the thought re- from the New England States every mained with me: "Why not make an year to produce the bulbs, which, when effort to produce onion seed in Ontario?' planted, gives them their crop of seed If they planted their own grown seed Onion seed generally sells for \$1 a pound, to produce the bulbs for their seed crop and the crop would amount to a comthe onions from that seed crop would fortable sum of money if we could pro- the onion duce it in the province of Ontario, be much With that idea in mind I selected very maturity be much lighter in color and later in This is the first year with this expericarefully, onion bulbs that were grown ment, and we are only beginning the at the college, and they were sent to ten other places in Ontario, extending growing of onion seed in Ontario. from the county of Huron on the west, as far east as Prince Edward county. While it is a little early to give complete I enclose sprigs taken from my spruce results of what was produced, and I trees. Last year I had worms on them may say the season was very unfavor-able all over Ontario, still we have know the worms will kill trees in two

complete reports from six of the experi-Seed growers look at and size up the Ans.—The insect on these spruce yield of onion seed in three ways: first, leaves is the White Pine Scale. The the yield per acre; second, the yield of eggs have been laid under the white seed per bushel of bulbs planted, and scale and they will hatch out about the third, the number of seed heads it takes second week in June, after which the to produce an ounce of seed. As this young scale insects will spread rapidly experiment is in its infancy, it was to adjoining trees. thought advisable to prepare a table enumerating not only the points men-

years, if left alone. What should I do to protect the trees?—A. E. As a remedy, the trees should be sprayed about the time that the eggs tioned above, but other points of per- hatch, or very shortly after. For this use kerosene emulsion, made as follows

WHITE PINE SCALE

All stock registered. These are a nice lot, six to twelve months eld. Also a few young **SHORTHORN COWS** of Dairy strain. SHORTHORNS CLYDESDALE COLTS FOR SALE **Great Private Sale** Special prices and terms for choice breeding Shorthorns to make room for winter. Come and see them, or write for particulars, also prize winning Barred Plymouth Rocks. Eggs for sale in season Yorkshire pigs, both sexes, ready to wean J. BOUSFIELD, Prop., MACGREGOR, Man Messrs. Hickman & Scruby R W. CASWELL, Star Farm Box 1283 Saskatoon, Phone 375 Court Lodge, Egerton, Kent, England C. P. R., C. N. R., G. T. P. EXPORTERS OF PEDICREE LIVE STOCK of every description. Owing to the rapid in-crease in business, Mr. L. C. Seruby has been taken into partnership. During the spring months the export of herees of the light and heavy breeds will be a specialty. Write for prices, terms and references. **ORMSBY GRANGE STOCK FARM** Ormstown, P. Que. Importation and breeding of **High**-Class Clydesdales a specialty. Special importations will be made for breeders at minimum cost. My next importation will arrive about 1st June. DUNCANIMCEACHRAN Ulencorse Ayrshire Cattle and Improved Yorkshire Swine Stock of both Sexes and all Ages for Sale. Yorkshires McDonald's Yorkshires A few fine long pure-bred Yorkshire boars on hand, Par-rowed April from prise-winning stock. Price \$20.00 each.

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Write me what you want. L. K. PARE, Stavely, Alta-



**ONTARIO** Ontario have eir own seed. Association experiments to seed could be A. McMeans, I College, has i industry in of the States of the States He gives the of the Ontario imental Union for the Ontario ture, at the re-



TREES ARE NOT LONG PLANTED BEFORE THEY ADD BEAUTY AND GIVE PROTECTION-



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SHORTHORNS<br/>CLYDESDALESBreeder and importer of high-classClydes-<br/>dales.Sold out of sheep. Six young<br/>bulls, a few heifer calves forsale:<br/>five young stallions, from one to<br/>three years old.Breeder and importer of high-classClydes-<br/>dales.Bound Stallions, from one to<br/>three years old.Clydes-<br/>trived.I can supply you with a shew riag<br/>champion or range stallion.BANKIN & SONSBox 32.Gleichen, Alta.

A few good stallions at attractive prices to clear before the season closes.

A fresh importation will reach Carberry the first week of May, mostly mares, and I will be pleased to hear from my old or new customers contemplating buying such. They will be up to the usual high standard.

CARBERRY, MANITOBA



Sick Kidneys

Founded 1866

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# You must also get the liver and bowels right with DR. A.W. CHASE'S KIDNEY and HIVER PILLS

Strange, isn't it, that the intimate elation of the liver and kidneys should have been so long overlooked

And yet Dr. A. W. Chase's Kidney and Liver Pills owe their wonderful suc-cess to the recognition of this most

They ensure regular, healthful action of the liver and bowels, and thereby at once raise a burden from the kidneys and restore them to strength and vigor

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Headaches disappear, biliousness and constipation is overcome, digestion improves, and you feel fine in every way.

or Edmanson, Bates & Co., Toronto. Write for free copy of Dr. Chase's

per colony to expect. It is well to get super room to that capacity on each hive almost at the start. Then watch that the extra-strong ones do not get

This method is for use when running ations it could be applied to comb honey production. But the latter is more difficult, and should be left until

MORLEY PETTIT.

# NEGLECT FOR

Jas. E. Brant Suffered Torments From Kidney Diseases.

Athabasca Landing, Alta., June 6-You may think she has plenty, but she (Special)—That Kidney Disease, neglect needs more. Remove a comb from the ed in its earlier stages, leads to the most terrible suffering, if not death



Dr. M. D. McLaughlin

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ADDRESS.....

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言語を使われていた。 「ないない」のないないないないないないない

outside of the brood chamber, and put a frame of wired foundation in the mid- itself, and that the one sure cure for it in frames. If any cell-cups have eggs, a farmer residing near here. destroy all such, and give three frames Mr. Brant contracted Kidney Disease, Mr. Brant contracted Kidney Disease, of foundation. one may mean failure. Every comb of like hosts of others, neglected it, exbrood must be examined carefully. In pecting it to go away itself. every case, alternate frames of founda- But it kept gradually growing worse, tion with boord.

chamber, follow this order: First, empty himself so crippled that at times he combs and combs of honey till they are could not turn in bed, and for two all out then seeled beed to the all out, then sealed brood. If the emp- weeks at a time it was impossible for ties are clean, and the honey white, him to rise from a chair without putting place them in the extracting supers of his hands on his knees. the same hive (if they will fit); also the He could not button h brood, unless it is needed for making was troubled with Lumbago, Gravel

increase or building up weak colonies. The essentials for swarm-control are ample room for brood and honey, given in time; good ventilation and shade. An ounce of prevention is worth a ton of cure. As the streamth of 
To miss destroying even when a young man, from a strain, and,

till after thirty years of increasing suffer-In removing combs from the brood- ing the climax came, and he found

He could not button his clothes. He

of cure. As the strength of the colony in-creases, enlarge the entrance gradually, until, about June 1st, when all except weaklings should be given an entrance the full width of the hive, and an inch and a quarter deep. At the opening of clover bloom, every colony should have Dodd's Kidney Pills started at the cause of his troubles and cured his Kidneys. With cured Kidneys his other troubles speedily disappeared, and to-day he is a well man. If you cure your Kidneys with Dodd's Kidney Pills you will never have Lum-bago, Rheumatism, Heart Disease, Dropsy or Bright's Disease.

June 8, 1910

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the intimate idneys should oked ? hase's Kidney wonderful suc-of this most

althful action ind thereby at n the kidneys gth and vigor. an so quickly as as by using ney and Liver

oiliousness and , digestion imin every way rimenting with uncertain and can be sure of se of Dr. A. W. er Pills? One ox, all dealers, Co., Toronto. f Dr. Chase's

half-filled with between it and lopt some sys-It will not s to have more . Years of exes and locality t average yield It is well to get pacity on each t. Then watch nes do not get

e when running Vith some varioplied to comb the latter is ıld be left until

RLEY PETTIT.

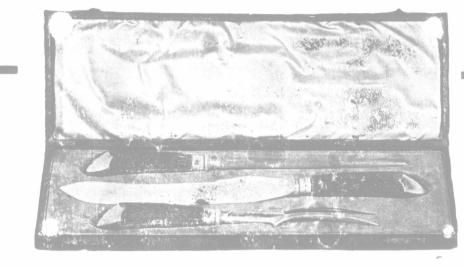


red Torments Diseases.

Kidney Pills and Man—His Ex-or You.

Alta., June 6v Disease, neglect es, leads to the g, if not death sure cure for it in

FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG



#### A FEW WELL CHOSEN WORDS WILL EARN FOR YOU ANY ONE OF THESE SPLENDID PREMIUMS

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These three pieces are set in a fine morocco case, 15 inches in length, trimmed with silk cord and lined with plush. The handles are of black STAGHORN and the mountings are exceptional. The quality of the steel is the best obtainable, being of SHEFFIELD make. We are offering this desirable premium to anyone who will forward Four New Yearly Subscribers to the Farmer's Advocate and Home Journal at \$1.50 each of the value of a preparately cost of CAPVEDS for way \$1.50 each. If you have not a presentable set of CARVERS for your table, this is your chance. Turn a little of your spare time into some thing of value.



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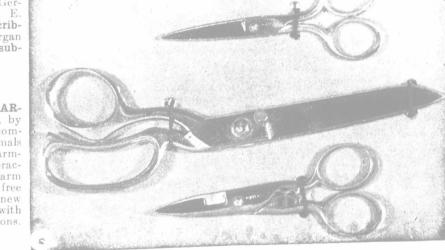
dney Pills, is the mes E. Brant, r here. l Kidney Disease, om a strain, and, neglected it, exitself. y growing worse, increasing sufferand he found hat at times he ed, and for two as impossible for r without putting 1 his clothes. He Lumbago, Gravel ied medicines for without getting turned him to

ls started at the es and cured his ed Kidneys his dily disappeared, ell man. dneys with Dodd's never have Lum-Heart Disease, Disease.

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Get Ready for Harvest FROST AND SIDE DELIVERY RAKE

# and Side Delivery Rakes

**The Rake** The top illustration shows our Side Delivery Rake which is chiefly used with our "Champion" Hay Loader. The Rake makes windrows best suited to the proper working of a loader. The operator simply drives round the field—he doesn't have to give any attention to the working of the machine—the action of the three sets of teeth leaves the hay in the best possible condition for curing—loose and bulky. Light or heavy crops are all the same to this Rake—it is built for hard work. The Castor Wheels at the rear ensure perfect work under all conditions. This

machine is made of the finest quality of materials, is well braced and strongly built. **The Loader** The "Champion" can load at the rate of two tons in ten minutes—think that over for a few minutes. It has six tooth bars each containing twelve properly shaped malleable teeth. The Apron consists of the finest quality of straight grained slats, tough rope and steel chain. The "Champion" is provided with heavy wind slats to prevent high winds from blowing the hay off the carriers when the machine is in operation. You can't realize the time, labor and money saving qualities of these two machines until you have actually tried them in the field. Write for our fine illustrated Catalogue—it gives you a full list of harvesting machinery which is absorbing the whole business of Western Canada.

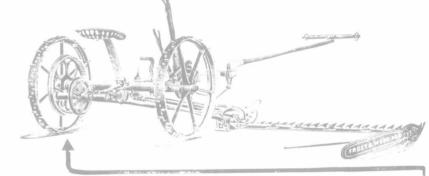
business of Western Canada. Remember, over 70 years experience buck of each implement.

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**CHAMPION** 

HAY LOADER





June 8, 1910

#### FROST and WOOD BINDERS

This binder is positively in a class of its own far alread of any other machine on the market. We haven't room to detail all its many excellent merits here, but we do want you to consider one important feature our Eccentric Sprocket-Wheel.

Notice that there are **three long** spokes and three short ones based on the old leverage idea, the longer the bar, the greater the power. When the grain is being com-

#### FROST and WOOD No. 8 MOWER

Here's another case where space prevents us giving all the good points, so we urge you to write for our Catalogue if you are thinking of buying a reliable Mower. Ours are built in various sizes from 3 ft, 6 in, cut to a 7 ft, cut. You will notice that the small gear wheel is inside the large one on what is called the Internal Gear principle. Both these wheels travel in the same direction. Now, on most Mowers wheel being on the outside. This is a decidedly bad featur because the wheels work one **against** the other, causing a eventually a loose connection. You can easily prove the superiority of the Internal Gear principle for as soon as you drop the bar and start the team the knives begin cutting. There is no lost motion, no jerks, no backing up the action is immediate. Our Mower is liberally supplied with Roller Bearings ensuring long life and light draft. It is made of firstclass materials and put together by expert workmen. Let us send you the whole story to read at home free.

pressed and tied, the packer arms require all the power they can get to make nice tight sheaves and the chain which drives the Eccentric Sprocket is then palling over the long arms of the watel, exerting a steady powerful draw. After the bundles are, compressed and tied the

of the Eccentric Sprocket and must therefore travel faster, thus the bundles are discharged quickly and everything is ready again for another bundle to be compressed, tied and discharged. In short, the long arms develop **power**, the short arms **speed**. But get our Catalogue and go into the whole details carefully yourself.



Write to our Sole Agents in Western Canada.

