PAGES MISSING

the French have done purpose.

EX. GALBRAITH, ican Clydesdale As-

R GROWING CORN RN LATITUDES

be rich, warm, thorad well manured. plowed land is pre-

plowing is not abso-Harrow the fall-

arly as it is possible ld. If you have a rrow thoroughly just

If you have no eral times, enough to seed-bed.

to be spring plowed. ld be done early and ring should be harit is plowed. Harefore planting, even are showing, as it firm, warm seed-bed upon the soil is for varming up the soil e, firm seed-bed, killconserving moisture. well when the crop

be done as early as e soil is warm and ost is past. It is



ON, ROKEBY, SASK. hip Diploma at

plant in check rows, s the usual distance 8 inches) apart. For n latitudes, 3 feet is the rows. Plant 4 the rows. hill in check rows, in drills, have seeds 2 inches apart in the plant more than two

II planted inter, be sure to step the seeds are coverrint.

ould begin as soon as nted. Harrow when coming through t drag is preferable. when the corn is two high. Best results the day. The culti-en be used as often as p the weeds down and loose on top. Cultitop when the tassels

te more than three ne and a half to two best depth, as deeper s the roots of the vate often, as it the growth of corn,

C. P. BULL, Minn. Exp. Station.

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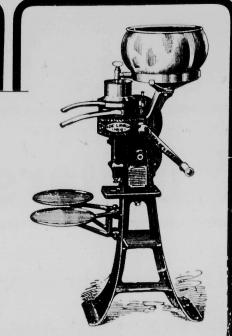
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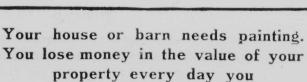
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solely owned and occupied by him or by his father, mother, son, daughter, brother or sister. In certain districts, a homesteader in good standing may pre-empt a quarter section alongside his homestead. Price \$3.00 per acre. Duties.—Must reside six months in each of six years from date of homestead entry (including the time required to earn homestead patent) and cultivate fifty acres extra.

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Vol. XLV.

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FARMER'S 14-16 PRINCESS STREET

EDIT

If any of the stockmer the possibility of war v try to imagine John M. Bredt engaged in a

Opportunity

When we think of i much of the convenien say profit in farming, get done during the spring. Most of all, we the field crops seeded,: neglect many smaller j afford an incredible throughout the whole ye

Take some instances attention just as soon as but if men and teams from Monday morning the chances of having new potatoes, and frui of the year are about a can be made after seedii good garden that one early attention. Why harrows? But merely the garden is not all th advantage. Nearly ev the West would be imp cane fruits. These a be planned for ahead. until spring arrives and the fencing material to

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W. CORY, inister of the Interior lication of this adver-

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Beulah, Man.

Farmer's Advocate

and Home Journal

Vol. XLV.

Winnipeg, Canada, May 12, 1909

No. 868

FARMER'S ADVOCATE these preparations are neglected the oppor-AND HOME JOURNAL

ESTABLISHED 1866.

Canada's Foremost Agricultural Journal Published Every Wednesday.

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FARMER'S ADVOCATE

EDITORIAL

If any of the stockmen contemplate seriously the possibility of war with Germany let them try to imagine John A. Turner and Paul that makes it suitable under certain circum-M. Bredt engaged in a pitch fork duel.

Opportunity of Spring

get done during the six to eight weeks of in our soil of which we are capable. throughout the whole year.

new potatoes, and fruits throughout the rest pure article. of more trees, and the setting out of bush and them. the fencing material to protect it. But if all manage to get something for his work.

tunity of planting in the spring when nature is ready to lend her hand to start growth is of no

When a man sees the hot summer days drag by without fresh vegetables and fruits, he not only regrets the missing of the opportunity of having a garden to draw from, but generally resolves that he will be provided for next season. Alas for good resolutions! Farming is not all simply growing crops. There is a responsibility to oneself and family and each spring the opportunity to discharge it is of- particularly, a better service than is given fered and availed of or neglected as the case may be.

Side Line Crops

Professor Bedford's article on another page of this issue upon the growing of our less important field crops. But as there is always a the aim of all concerned. large amount of land that lies idle during summer, on account of not being considered suitable for wheat, oats or barley, it is worth while to emphasize the advantages of growing such crops as peas, rye, emmer and flax. Each of these crops has some peculiar characteristic stances for particular conditions of soil. We are coming to a time now when we cannot so well afford to leave land idle as we could when \$25 an acre was considered a high valuation When we think of it, it is surprising how for our best soils. It is becoming more and much of the convenience and comfort, not to more necessary to get the most out of land of say profit in farming, depends upon what we which it is capable, and also to keep the most

spring. Most of all, we are concerned to get If we were asked to name some farm practise the field crops seeded, and in doing this often out of the common run that promised someneglect many smaller jobs that if done would thing a little better in return than the average afford an incredible degree of satisfaction crop gives we would say grow clean flax seed. During the past winter we heard more en-Take some instances. The garden requires quiries for clean flax seed than for any other attention just as soon as the land is fit to work, class of grain unless it was wheat, and everyone

advantage. Nearly every house and barn in exceptional advantages for growing peas in the to the car, and 6 cents per pound for the loss.

until spring arrives and the ground is fit before makers pay from six to ten dollars a ton for anything is done. The start should be made in clean rye straw, and this probably accounts for June by breaking up the sod and continued in a large proportion of the acreage in Manitoba.

A Dollar a Steer and a Slow Train

While a good many suggestions relative to the improvement of conditions in the cattle trade have been made, and some of them are being pushed for adoption by different interests, it seems to us that enough is not being done to secure a faster service for trains of live-stock. The nature of our live-stock trade, the fact of our markets being so far from the points of production makes it all the more necessary that in the marketing of grass-fed cattle, ranchers in any other part of America be put on by the C. P. R. True, as compared with other roads the C. P. R. has nothing to be ashamed of, but in the matter of live-stock shipments It is scarcely necessary to call attention to the actions of other roads should not be the standards of service. Rather the fastest service of which the road is capable should be

In matters of this kind the C. P. R. is notably ahead of practically all other systems, but we believe if stock shippers and ranchers would get together in conference with the railroad officials and the actual advantage of a faster service calmly considered, stock trains run on local passenger train time schedules would be

In the past it has been claimed that stock trains cannot be run faster than the time they now run on, and that it would not be safe to run at express train rates with heavy trains of live-stock, but the unanimous opinion of shippers and attendants is that if stock trains were classed as passenger trains and were not held up so long at sidings waiting for other freight, the average rate of movement might easily be doubled. In other words, on a run from Alberta to Winnipeg, or Montreal, nearly half the time is taken up with stops.

A steer's time is not supposed to be worth but if men and teams are kept on the fields wants wheat. Flax reaches a fairly good figure anything, but when a steer is losing around from Monday morning until Saturday night, for commercial purposes, but for seed it is twenty pounds a day of flesh that sells in the the chances of having fresh vegetables, early difficult to say how much might be got for a Old Country for from 10 cents to 14 cents a pound, it is not hard to calculate how much of the year are about all gone. True a garden A hint is dropped in Mr. Bedford's article a day that steer's time is worth to the shipper, can be made after seeding but it is not the same about growing peas for seed. Has anyone ever but the unfortunate feature of the case is that good garden that one has by giving the soil attempted to work up a trade in growing peas no one gains by what the steer looses. It is a early attention. Why is it not possible to give for seed merchants and for the trade which complete waste. Estimate what it means to an afternoon to the garden with the plow and supplies the restaurants with peas for soup? have a train load of 30 cars, 24 hours longer in harrows? But merely putting a little time on In this direction we believe there is a side line transit than is absolutely necessary allowing the garden is not all that might be done with that can be followed with profit. There are only 10 pounds loss per steer per day with 16 the West would be improved with the planting West, and it should be worth while exploiting On the train load the daily loss would be \$576, and this, as every one knows, is not a large cane fruits. These are things that have to In connection with what Mr. Bedford says shrink. For the 90,000 cattle exported last be planned for ahead. It is no use waiting about rye it might be remarked that harness year the loss on the same basis amounted to \$108,000 per day. Putting the situation the other way around every day saved would be a the fall by backsetting, then followed up in the With a revenue from both straw and grain even gain of \$576 on each 30 cars or \$108,000 on all winter by ordering the stock to be planted and the poorest farmer on the poorest land can the export cattle. Money can be made easier

HORSE

"Scotland Yet" lectures Canadian horsemen mer on their registration rules and regulations respect-Rawlinson then turns to "Scotland Yet" to re- purses are offered aggregating \$60,000. mind him that he misrepresents the Shires Another Alberta horseman censures the secretary of the Scottish Clydesdale Horse Society for attempting to supply the public with misinformation on Suffolks. When will our experts know it

Now that the foaling season is at hand, every breeder who has even but a single brood mare should provide himself with a rubber-bulb training at Palatine, Illinois, under the manage-The foal should be watched carefully and if there is difficulty in expelling the faeces an injection per rectum of a half-pint of bloodwarm water should be given. A tablespoonful at Detroit, a free-for-all pacer event worth \$3,000. of glycerine mixed with the water will prove half an hour repeat the injection and continue at when she was at the height of her fame and in the the sick animal in a big box stall, plentifully and harmless.

Premium Pictures of Great Horses

new name and have now part of the series, another subscription will secure the three.

for the three pictures or one new name at \$1.50 and Dean was back home for the winter, he started each for any two pictures. When a new sub- her up once or twice for a little piece only and she scriber sends his own name it does not entitle acted as if she could run away on the pace in her him to a premium.

Racing in the West

West, in harness racing and running during th that nothing like her has ever been seen. Despite present year. Towns all over the prairies and in all the racing phenomena that have been doing British Columbia that have not previously given astonishing things since she went into retirement much attention to horse racing, small places her world's record for three consecutive heats in a most of them, are organizing turf clubs, laying race—2.03, 2.031 and 2.023—made at Cleveland, out tracks and preparing for meets some time has not been equaled or beaten. If she can be mane to stop him from scratching it. He is during the summer. Turf clubs have been brought back to the form that she was then in, formed recently at Millarville, Alta., and Stough- that she will once more be depended upon to do brush it. ton, Sask., and most of the previously organized some remarkable things is certain. That Dean clubs in other towns have manifested renewal of is confident of bringing her back to it is shown by interest in the greatest of all sports, by the holding the events for which the mare has been entered horses. It is too frequently the case that in an of annual meetings, election of officers and pre- for during the present racing season.

paration generally, for the season's sport. In British Columbia the season promises to be an eventful one. At Victoria a turf club has been organized, and a track laid out on which 60 days of the Veterinary Service of the British army, one of racing, running mostly, will be held this sum- out of every 200 horses in the home army died

ing the importance of Clydesdales. Mr. Tom Brandon on May 24th with a three day's meet,

The Queen of Pacers Again in Racing Form

The Broncho, the Winnipeg owned pacing mare with a mark of 2.003 will appear on the track again in a few days for the first time since her retirement in the spring of 1907. She is in ment of Charlie Dean, and is entered for the principal meets of the Grand Circuit. Her first appearance will be in the Wolverine handicap,

It was a serious lameness that threw the beneficial. If the bowels are not evacuated in Broncho out of training in the fall of 1906, just intervals until there is a movement. Many foals most transcendent form, and lameness of a most die every year from a lack of attention in this baffling nature. There was no visible or findable direction. The remedy is simple, inexpensive cause for it, her limbs and feet showing no telltale trace. And, apparently, after a few months of rest she was again sound, but again she went amiss in the spring of 1907, and before she had had any really strenuous training. So it was decided that The demand for the pictures of the Clydesdale the only hope for her was to give her a long and sires Baron's Pride, Hiawatha, and Oyama has complete rest. Consequently she was bred and completely exhausted our first supply, but a new last season spent her time in mothering a lusty in cases where there is great abdominal pain to consignment is about ready. Horsemen find it colt. But before it was weaned she was once a pleasure to accept subscriptions from their more put at jog work, and ever since has been and applied as hot as the patient will stand, to friends for a paper like the FARMER'S ADVOCATE undergoing the prelimineries of another prepara- the lower part of the belly. This is usually and the pictures they get for the service are suit- tion for the races. Thus far she has given the able and appreciated. Several have sent one most encouraging possible account of herself. Her legs look like steel and whip cord and she has not taken a lame step for considerably over a from injuring himself and also to give relief, till The rules are two new names (not the sender's) year. Late last fall, after the campaign was over old-time fashion. Just now she is as hard as iron, and every indication is that she will train absolutely sound. At the time she went lame she was unquestionably good for a mile in 2.00 or Unusual interest promises to develop in the better, while as a racing machine it is conceded

Digestive Trouble in Horses

According to the report of the Director-General in the hospital last (year, from disorders of the In the Manitoba Circuit, which opens at digestive systems. This is a heavy death percentage, remarks the London Live Stock Journal. and if this is the condition in the army, where the feeding and care of horses has been reduced almost to a science, what must be the sickness and loss from this source among horses owned by private individuals?

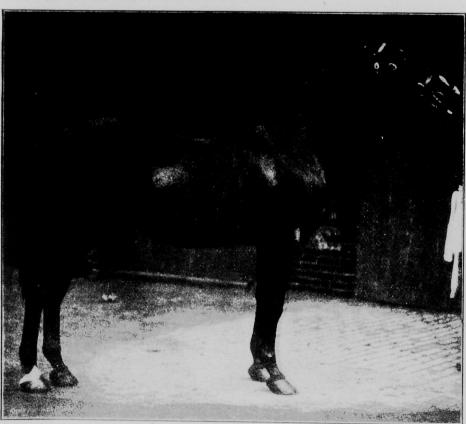
> Improper feeding produces much digestive sickness in horses, and a horse with an acute attack of indigestion is in the utmost need of veterinary help. There is not much use in pouring medicine into the stomach. As that organ is in a deranged condition, no assimilation of anything put into the stomach takes place, and consequentno action is obtained by administering drugs through the mouth. The injection of concentrated medicines under the skin is the only rational way of treating such cases. No ordinary owner or farmer has either the instruments or skill to do this. But he can, and should, place supplied with bedding, and with a careful man with him to prevent, as far as possible, the horse from injuring himself when the pains are very in-Many a horse suffering great pain from indigestion has thrown himself down violently on a hard floor and burst the stomach (which in this disorder is distended with gas) and thus destroyed whatever chance there might have been of successful treatment. It always gives some relief take hot cloths, wrung out of a pot of hot water, easily done, as the animal is in almost every case lying down, and in many cases lying on his back. Much can be done in this way to keep the horse veterinary help can be obtained.

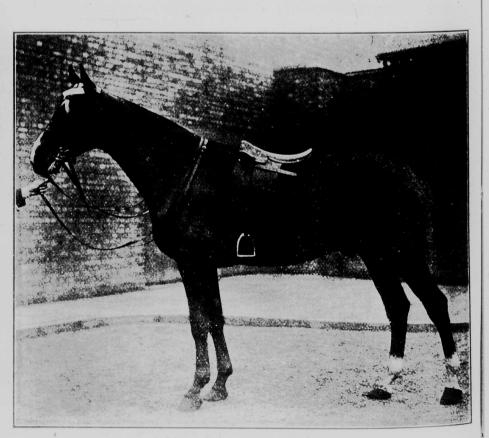
Feed for a Growing Colt

An Alberta correspondent writes: "I have a Percheron stallion that is two years old in June I would like to know what to feed him and how much to feed him, and how many times a day. would like to make him a big horse and not hurt him. Should I water him before feeding? I have a box stall and lots of good oats and bran, and also a lot of good hav.

'I would also like to know what to put on his wearing it off in places and it is so short I cannot

The question our correspondent raises, directs attention to an important point in raising young anxiety to make a colt grow into a big horse he is





kept too fat or "fed off horse should be kept in Just what this condition is everyone who has fed sto In some horses "growing covered an inch thick and just concealed out of sight skin should be pliable, the normal and all the functi In order to have the

normal state a colt must h as a stuffed specimen at have an opportunity to to system demands and this over fat than if he carries keep a colt in his stall day hour or two for outdoor system will become clog bition, his muscles will g in a fair way to become us

When a colt has been gi his muscles and to keep sufficient to satisfy it wi flesh nothing more can be If he is fed more and loa idea of making a big ho weighs heavy at so many that the extra weight will shape, stock his legs and p The size to which a colt

horse is very largely dete His inherent tendency-t his ultimate limits, but the assisted or hindered by c is just as easy to kill a co. neglect. Therefore take natural tendencies, feed c give him fresh air and an muscles.

A colt that has been ke fed heavy with the idea c him will no doubt matur been given a natural co softer and the chances are as he would otherwise. anxious to have their olds look as finished as fo

The case of our corres instance and it is always tively upon special case them. But, as a breed, heavy feeders, and as a them too much for their are to be offered for sale

The materials for feed is actually required bu 'strong' for a growing some green oat sheaf inst oat straw, he would k From now on he will be the place of hay. If th will do well on it alone, fail give him from a qua a day. If he is not to be him a big corral to run clean in an hour and ni little at noon, and abou quart of bran three time as a basis, but, if he seen it a little. It is hardly Let him have salt and v In fact, always water h this colt is inclined to be fall or winter give him once a day for awhile, ar oat sheaf for him as it is stipating as is hay.

For itchy neck, or ta organs working easily b flaxseed, then mix abou oil in a pint bottle with nto the part. This ma in three or four days. habit, which is someting opportunity to rub. It that he has lice. Anoth with an ounce of creoli

Concrete should not be ter it has been allowed Each day during that pe wet down by sprinkling v ing and afternoon. on the outside will not d concrete in the center of ried out carefully, espec months. Old canvas, sl so as to hang an inch or concrete will do very well

May 12, 1909

ble in Horses

of the Director-General of the British army, one n the home army died, from disorders of the is a heavy death perion Live Stock Journal, ion in the army, where orses has been reduced t must be the sickness among horses owned by

duces much digestive horse with an acute ate utmost need of vetermuch use in pouring As that organ is in a ssimilation of anything s place, and consequentby administering drugs e injection of concenthe skin is the only ich cases. No ordinary ner the instruments or can, and should, place box stall, plentifully ad with a careful man ir as possible, the horse n the pains are very infering great pain from nself down violently on stomach (which in this gas) and thus destroyed ight have been of sucvays gives some relief eat abdominal pain to t of a pot of hot water, patient will stand, to belly. This is usually is in almost every case cases lying on his back. way to keep the horse also to give relief, till tained.

rowing Colt

ent writes: "I have a two years old in June t to feed him and how w many times a day. big horse and not hurt n before feeding? I of good oats and bran,

ow what to put on his scratching it. He is l it is so short I cannot

pondent raises, directs point in raising young ly the case that in an w into a big horse he is



kept too fat or "fed off his feet." A growing horse should be kept in "growing condition. Just what this condition is, is hard to describe but everyone who has fed stock knows what it is. In some horses "growing condition means ribs covered an inch thick and in others the ribs are just concealed out of sight. But in any horse the skin should be pliable, the hair soft, the digestion

normal and all the functions working naturally. In order to have the functions in a natural normal state a colt must be treated as a colt, not as a stuffed specimen at a circus. He should have an opportunity to take all the exercise his system demands and this will be more if he is not over fat than if he carries a lot of flesh. Never keep a colt in his stall day after day with only an have goitre of which the author of "Modern Especially is this true of Derbyshire, England, system will become clogged, he will lose ambition, his muscles will get soft and he will be in a fair way to become useless.

flesh nothing more can be done to force growth. others. Sometimes the greater part of the lamb is not sufficiently strong to undergo the severe If he is fed more and loaded with fat with the idea of making a big horse of him because he weighs heavy at so many months, the chances are that the extra weight will spring his joints out of shape, stock his legs and probably set up "grease."

The size to which a colt will attain as a mature horse is very largely determined by his parents. His inherent tendency—the great factor in fixing his ultimate limits, but these tendencies may be assisted or hindered by care and feeding, and it is just as easy to kill a colt with kindness as with neglect. Therefore take into consideration his natural tendencies, feed carefully and plentifully, give him fresh air and an opportunity to use his.

A colt that has been kept fat from weaning and fed heavy with the idea of making a big horse of him will no doubt mature earlier than if he had been given a natural colthood, but he will be softer and the chances are he will not live as long as he would otherwise. Horsemen are often too anxious to have their yearlings and two-yearolds look as finished as four-year-olds.

The case of our correspondent is a particular instance and it is always hard to speak authoritively upon special cases without having seen them. But, as a breed, the Percherons are quite heavy feeders, and as a rule, their owners stuff them too much for their good, especially if they are to be offered for sale as two-year-olds

The materials for feeding this colt are all that is actually required but probably are a little 'strong' for a growing colt. If he could get some green oat sheaf instead of hay, or some good oat straw, he would keep his system cooler. From now on he will be able to get grass to take the place of hay. If the grass is fairly good he will do well on it alone, then when it begins to fail give him from a quart to two quarts of oats a day. If he is not to be turned on the grass give him a big corral to run in, what hay he will eat clean in an hour and night and morning, and a little at noon, and about a quart of oats and a quart of bran three times a day. This will serve as a basis, but, if he seems to need more, increase it a little. It is hardly likely he will leave any. crop is lost or severely damaged by this disease. treatment necessary for the destruction of the

stipating as is hay.

STOCK

Comment upon Live-Stock Subjects Invited.

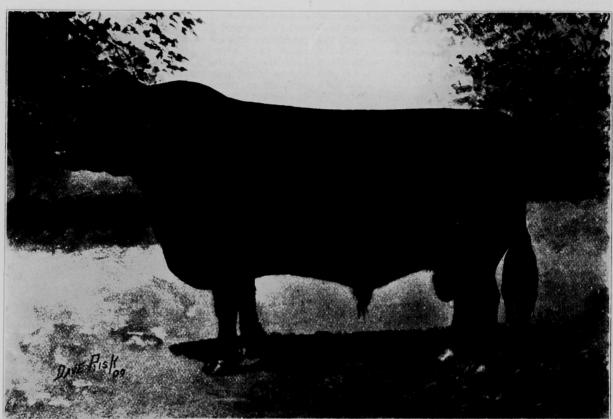
Goitre in Lambs

A correspondent writes that his lambs are coming with thick glands in the throat and live only Sheep" says ***

When a colt has been given a chance to stretch Sheep of all ages are subject to this trouble, conspicuous by their absence. Goitre is very his muscles and to keep his appetite active with but young lambs more especially so. It seems readily cured in full grown sheep, but not so sufficient to satisfy it without making a lot of to be more prevalent in some seasons than in easily with the young lamb, as its constitution

straw and a moderate allowance of roots, and their drinking water was from the same spring as supplied the Shropshire flock. Now, while not a goitered lamb made its appearance in the grade flock fully 50 per cent. of the Shropshire lambs died of goitre without ever gaining their feet. The next year this same Shropshire flock, under similar treatment to that given to the grade flock, gave pretty close to a 150 per cent. increase with only one case of goitre to record.

My experience tends but little to encourage a few hours. Others were not so bad and got a belief that the water the sheep drink has much well in a few days. The ewes were fed on hay to do with goitre, although it is well known that and oats and allowed to run out on fine days, the human race acquires goitrous troubles in From this description it appears that the lambs certain sections through the water it drinks. heep" says we where people attacked with goitre are said to Goitre seems to be one of those mysterious, have "Derby Neck." Where sheep have uninsidious maladies that has long and successfully limited exercise and have to work a little for their baffled scientists so far as its cause is concerned. living, as it were, goitred lambs are generally



Aberdeen-Angus bull, "Golden Glean," at the head of Glencarnock herd. Property of J. D. McGregor, Brandon. The following is his show record

As a yearling, 1907. 1st at the Iowa State Fair.
2nd at the Minnesota State Fair.
1st at the Wisconsin State Fair.
2nd at the Inter State Live Stock Show, St. Joseph Mo.
2nd at the Missouri State Fair.
2nd at the Royal Show, Kansas City.
1st at the International Stock Show, Chicago.
1st at the Illipnis State Fair.

once a day for awhile, and by next fall have some have been improperly reduced from showyard the drinking water are among them. The writer iodine at regular intervals, say once in two days. For itchy neck, or tail, first get the digestive believes that the trouble is due more to insuforgans working easily by use of bran mashes and ficient exercise and to high feeding than to any flaxseed, then mix about one-half a glass of coal other cause. A few years ago I had charge of oil in a pint bottle with water, shake well and rub a large flock of Shropshires, which to all appearnto the part. This may require to be repeated ance were in fine breeding condition; that is, in three or four days. If the rubbing is simply a if full flesh and good condition of the ewe is any habit, which is sometimes the case remove the criterion. All were bred to imported prize-winopportunity to rub. It is quite probable though ning rams, and their rations consisted of roots, with an ounce of creolin to the pound used with previous to lambing a small quantity of oil cake. The promise of a strong lamb crop was met with on the outside will not dry out much faster than the concrete in the center of the mass, and should be carried out carefully, especially during the hot summer months. Old canvas, sheeting, burlap, etc., placed so as to hang an inch or so away from the face of the concrete will do very well as a protection. Wet this as well as a protection. Wet this as the concrete will do very well as the concrete. rations consisted of clover hay, oat straw, pea had got to the horse department I came to the con-

As a two-year-old, 1908.

1st at the Iowa State Fair.
1st at the Minnesota State Fair.
2nd at the Wisconsin State Fair.
1st at the Inter State Live Stock Show at St. Joseph.
1st at the Illinois State Fair.
1st at the Missouri State Fair.
1st at the Royal Show, Kansas City.

Let him have salt and water him before feeding. Many reasons have been advanced for the pre- growth. In the treatment of strong animals In fact, always water horses before feeding. If valence of goitre among new born lambs. In- suffering with this trouble the cure is, cut into this colt is inclined to be harsh in the skin, in the sufficient exercise, an excessive fat condition of the growth quite deeply and just as soon as it fall or winter give him about a pint of flaxseed the ewe, the use of highly-fitted show rams which has stopped bleeding inject with a small syringe a small quantity of full strength tincture of iodine oat sheaf for him as it is not so heating and con- condition to breeding condition, inbreeding and The enlargement should also be painted with

The Centre of Live-Stock Industry in Manitoba

COMMENTS ON THE WINTER FAIR

Like many another Western Manitoba farmer I found myself in the city of Brandon, in March, to that he has lice. Another good wash is soft soap clover, bran and oats, to which was added just attend the winter fair and there I got some impressions that I would like to pass on to my fellow

Being one of those unfortunate human beings a large proportion of fat swollen-necked, hoofless who somehow got the idea ingrained into his system Concrete should not be exposed to the sun until after it has been allowed to set for five or six days. Each day during that period the concrete should be wet down by sprinkling water on it, both in the morning and afternoon. This is done so that the concrete of the conc

clusion that neither McGregor's ox or Yule's cow it is to extend a railway line up by Hamiota to Binsthey were distinguished as the black, the grey, the dark grey, the big fellow, the fellow with the turned in toes, and the one with the white specks on his shoulders, etc. After looking them over I concluded Man.

WM_IVERACH. way of the Percherons. I got a seat amongst what I the Winter Fair but the press of other matter prethought were a pretty good bunch of horsemen, vented us from printing it. Ed.) that the Clydes will have to hustle to keep out of the an exhibition! No more black, grey, etc., but—that is Van Horne's "Lord Ardwell," that "Pleasant Prince," this is "Silver Plate," "Black Ivory" or interest in the younger classes seemed to hover round the produce of former champions. Some of these the produce of former champions. Some of these tand a good showing and were only turned down by feed resources, climate and other factors are so largely some of Scotland's best and latest productions. The involved that one man's success may spell another colts of Woodend Gartly and Concord coming well man's failure. A common-sense type of hog in the the produce of former champions. Some of these up, while the get of some of the other 'one time prize- hands of a common-sense breeder constitutes a comwinners' showed far down the line where they properly belonged. But I began to grow weary of horse, during a succession of years. perly belonged. But I began to grow weary of horse, during a succession of years.

horse, horse, and made my way upstairs through the seed grain division and inspected the different varieties. One is almost forced to the conclusion that varieties. One is almost forced to the conclusion that varieties.

Live-stock husbandry represents a high type of vited to suggest topics to be discussed. If any varieties a much reader has in mind any question which he or she satisfaction and gain as any other branch. It may may think could be profitably discussed, it will Shorthorn does amongst cattle, and the same tining breeder who attains a foremost place in his calling holds as to the permanency of that position. It will has an interest in his business not inspired solely by have to hustle to hold it, people will follow a fad for a rewards in money. The compensations of swine while but utility will win out in the end. But if we raising are ample for the man who desires to make his can get a wheat that will yield as well, weigh as well, work a profession, as hundreds who have a just pride cussed. The discussions will be spread over the paper. sell as well, and mature five to ten days earlier, then in their achievements can testify. good-bye Red Fife, sorry to part with you, you have done so much for me

Facts were being forced upon me and I had to get cure, and other products essential to the best tables, them straight in my mind. Only a few years ago it to commerce and the trades. The hog's disposition was nip and tuck with the breed societies to keep has yielded to the influence of good breeding. His alive, good stock horses were being sold for from \$300 conformation has been molded by skilful methods alive, good stock horses were being sold for from body, angular uncouthness into a structure of to stable feed and fatten his steers in winter, to mareignes, as good as anything in the sale came on, after by domestication and generations of breeding him the show, things were reversed. One man put four for early maturity and quick fattening, the length of or five head into the sale, including two nice heifers his intestines has been increased, it is claimed by and a strong three-year-old and did not receive a scientists, more than 130 per cent. single bid. Another good heifer sold for \$75 that was worth \$80 for beef. poorer people who buy on credit are glad to take the would be the use?

As for the bulls, some got no bids and others got bids that seemed almost extravagant. The high ountries where there are markets worthy of the name. Why were there no bids on the others? Well, it seems as if buyer and seller never would take each other seriously in Manitoba when it comes to an auction of cattle. One would think that if a cattle sale is, from year to year, a failure from the seller's standpoint it would naturally be a success from the buyer's standpoint, and one would expect to see buyers on the increase. Evidently a sale at the time of the winter fair should be held earlier in the week, say two hours on Thursday, and if everything is not sold open again on Friday. It is simply courting failure to put on a sale after so many had gone home and when those who wanted to buy or sell would have to remain over Sunday. The breed associations should leave off wrangling as to whether a director lives east of Portage or west of it. They should make the auction sale a success. This could be done by 20 or more breeders clubbing together and agreeing to put in one animal each that they would be willing to sell for what it would bring, insist upon a certain the week, say two hours on Thursday, and if everything is not sold open again on Friday. It is simply courting failure to put on a sale after so many had gone home gives the following outline of the method followed on and White or Dutch clover. I sowed my first alfalfa the experimental farm to prevent and cure scour in calves. First, special care is taken to avoid scours first year. In the fall I had a good even stand all until four weeks old on two to six pounds of their mother's milk three times daily. Care is taken to on June 10th, 1907, and it did remarkably well the over the plot that averaged 21 inches in height and until four weeks old on two to six pounds of their mother's milk three times daily. Care is taken to avoid scours first year. In the fall I had a good even stand all until four weeks old on two to six pounds of their mother's milk three times daily. Care is taken to avoid scours first year. In the fall I had a good even stand all until four weeks old on two to six pounds of their mother's milk three times daily. Care is taken to avoid scours first year. In the fall I had a good even stand all until four weeks old on two to six pounds of their mother's milk three times daily. Care is taken to avoid scours first year. In the fall I had a good even stand all until four weeks old on two to six pounds of their mother's milk three times daily. Care is taken to avoid scours first year. In the the winter fair should be held earlier in the week, standard and if one man's stuff went cheap he could get even by buying another's that would not go much higher and at least have an exchange of blood to take home. If one breeder does not show confidence enough in another's animal to put a decent bid on it, how can I expect a bid on my own? Then arrangements might be made for a line of credit on the higher priced animals. Breeders should be prepared to give as good terms at a sale as they give in their own yards, then the sales will become popular.

Brandan citizens are enterprising. They have

built a splendid city out of the colony of tents that The salol and sub-nitrate of bismuth can be secured well to our soil and climate, and spreads itself well on

would get the championship, but that at this winter carth, and so tap the great cattle country about fair horse was king, and that horse the Clyde. The Yorkton, and having once secured cattle they will light horse tries to satisfy the people who sit in the then establish stock yards and markets. With this gallery, and to a certain extent succeeds. The accomplished the asylum and Smithfield farms will = Percheron also has a certain following, but I noticed have to give way to city buildings, Brandon prices

WM. IVERACH

The Hog of To-day

The hog is more of an individual than a machine, "Chamberlain Joe," and the younger classes seemed to be quite as familiar, "Baron Shapely," "Baron which may be accepted as established have been of Arcola," "Morpheus," "First Baron." The chief worked out in swine breeding, but adherence to all worked out in swine breeding, but adherence to all must be in our hands at least ten days earlier of them cannot, for many practical reasons, be rigid. than the subject is scheduled for discussion in our The breeder himself, his breeding stock, environment, columns. bination best calculated for satisfaction and profit

Red Fife wheat holds the same place amongst the profitably engage the attention of the man who be given a place in the order of subjects, if brought wheats that the Clyde does amongst horses, and the raises hogs merely from financial motives, but a to the notice of the editor, and is of sufficient Shorthorn does amongst cattle, and the same thing breeder who attains a foremost place in his calling general interest. Because this notice runs weekly

Intelligence used in his breeding and care has raised the hog from the plane of the veriest savage, unsought we will award a first prize of Three Dollars In the poultry department everything was just as except when hunted like any other wild beast, to that and for the second best Two Dollars, paying animated as in the horse ring, giving one the impres- of a benefactor, contributing a wide variety of meats, the latter sum for other contributions on the sion that the whole world had gone live-stock crazy. among them the most toothsome known to the epi-

Brandon butchers apparently fluences of environment, and three or four generations do not need to pay for heifer beef! and so long as cover a period long enough to bring about great we farmers will submit to it, so long will our butchers changes in them. Experiments made at the Wisconbuy at rock bottom kill-the-trade prices, and sell for sin station in crossing the wild or Razor-Back hogs "all the traffic will bear." The well-to-do people and their crosses with the improved and approved may have no reason to complain, everything in the breeds showed that a marked improvement in aplocal shops is put up at ten cents per pound, and the pearance and quality in the wild hogs' progeny was possible, although in constitution and gains of flesh Brenda Neville is contributing articles upon garden poorer people who buy on cream the game of the subjects which we would like our readers to discuss. So those who choice struck the station herds of the supposedly June 2.—What do you consider is the best hardier hogs were the first to succumb. Their feeding habits were irregular; on one day they would gorge the fields, on summer fallows, at haying and harthemselves so that they would be found fasting for the next day or more. These compelling forces of priced bulls apparently could not bring their value heredity made plain that both right breeding and right in a land of 2½ cent beef, they are worth more in results. At the same time are essential to the attainment of right heredity made plain that both right breeding and right later? results. At the same time environment may be, in some cases, as destructive in its results as in other cases it is beneficial. Swine typical of the best breed- apply the wash. ing require but two or three generations of wrong environment to degenerate to the level of the most unapproved types. Much, therefore, depends upon the breeder and his provisions for and care in handling.

—From Coburn's "Swine in America."

Treating Scours in Calves

FARM

Letters Upon Farming Operations Welcomed.

Topics for Discusion

To afford an opportunity for the interchange of ideas, and to provide a place where information may be given and received, we will publish each week at the head of this department a list of topics, which our readers are invited to discuss, Opposite each topic is the date of publication of contributions on it and readers are reminded that articles contributed on any of the subjects given

Readers will understand that this department of the paper is entirely and altogether their own. They are invited at all times to write the editor fully and freely expressing their opinion of the manner in which it is conducted. They are inevery department of the paper.

For the best article received on each topic subject received and published in the same issue

Article should not exceed 500 words in length.

ORDER OF SUBJECTS.

feed them outside in yards or in the scrub, on hay or straw and grain, or to sell them as stockers? Some farmers may think that none of these three methods of handling, offer profit making possibilities so they are invited to explain their own system of Swine are as susceptible as other animals to the in- turning profit out of the cattle they rear each year. Just now while the experiences of a season's operations are fresh in the mind is a good time or the discussion of such questions as this.

May 26.—Describe your farm garden tell what, and what amount of vegetables, fruits, and flowers are grown. Send photos if you have them. Miss

June 2.—What do you consider is the best method of using the time of the men and horses in Is it better to quit at 6 at all times or to work

June 2.-What is the best way to clean up a poultry house, to rid it of vermin and make the surroundings healthful. How do you make and

The Value of Inoculating the Seed

EDITOR FARMER'S ADVOCATE:

Regarding the growing of clover there is one point, In spite of all precaution, we now and then have The alfalfa that had been inoculated was far the best,

built a splendid city out of the colony of teats that many of us saw in the 70's, they have brought their from any druggist mixed in the proper proportions at summer fair to magnificent proportions, the winter that the time of purchase and thus have the powder a display of civic and private hospitality that is ditional precaution against contagious scours, it is to have a fat stock show. Some day soon Brandon's business men will take down a map and see how easy (corrosive sublimate)

The salol and sub-nitrate of bismuth can be secured the ground. This tendency to spread prevents that Dutch clover would be better for pasture than to have a fat stock show. Some day soon Brandon's with a 1 to 500 solution of bichloride of mercury the clover was sown, potatoes being the first crop grown upon it.

A I. Young,

OUR

The price of flax sec high recently and man to give this crop a trial In Ontario and th usually grown for the

exclusively grown for se The Manitoba Crop 1908, gives the area in little over 50,000 acres half a million bushels, per acre.

The province of S per final report of Fel acres of flax, averaging acre. A large propo provinces was grown gin prairie is plowed spring, then disced sufficient soil for a se treatment is often foll is a leveller composed clap-board fashion, is level it before seeding. is towards the end of The usual practice is pecks of seed per acre seeding has given the Experimental Farm. is the most suitable im it cuts its way through the seed at a uniform visable to follow the o harrow, and a good re at harvest time.

In selecting seed c should be taken to sec a sample free from noxid weed seeds. Nearly the flax offered for is more or less mix with wild mustard se I have found six se rate and distinct kin of wild mustard seed one sample of flax se It is difficult to separ mustard seed from with the ordinary fann mill, and I have for thousands of acres of r land seeded down w ball mustard, false and hare's ear must the very first year cultivation.

When flax is sown only summer fallow of wise the weeds will p paying crop. The yo delicate and will not with weeds.

Flax is a short sea quickly, but it should ripe and not left expos afterwards, as is the in the West.

Where large areas usual practice to cut vester, having the tr gether, or worked with flax in bundles, these dry and then drawn

Flax is somewhat d be fed slowly into charged for threshing for grain. Flax seed mould and should be kept where the snow w

perations Welcomed.

Discusion

for the interchange of ice where information we will publish each department a list of are invited to discuss. date of publication of lers are reminded that of the subjects given, least ten days earlier d for discussion in our

that this department altogether their own. es to write the editor their opinion of the lucted. They are inbe discussed. If any stion which he or she bly discussed, it will of subjects, if brought and is of sufficient nis notice runs weekly Department does not only, may be disvill be spread over

ived on each topic ze of Three Dollars Two Dollars, paying ontributions on the ed in the same issue. 500 words in length. JECTS.

average farmer best, steers in winter, to n the scrub, on hav or n as stockers? Some of these three methods king possibilities so their own system of they rear each year. ences of a season's und is a good time ions as this.

rm garden tell what, s, fruits, and flowers nu have them. Miss articles upon garden ur readers to discuss. onsider is the best e men and horses in at haying and hart all times or to work

way to clean up a rmin and make the do you make and

ting the Seed

er there is one point, in growing this crop 1ay interest some of wo varieties, alfalfa good even stand all their roots, while on the plots a marked p weighed 4 pounds

and I believe will being the first crop A. J. Young.

OUR LESS IMPORTANT FIELD CROPS

The price of flax seed has been comparatively high recently and many farmers will feel inclined to give this crop a trial for the first time.

May 12, 1909

In Ontario and the Eastern States flax is exclusively grown for seed.

The province of Saskatchewan in 1907, as cases. per final report of February 1908, grew 125,029 Immense quantities of peas are grown in the fallow. acres of flax, averaging nearly eleven bushels per States of Delaware, Maryland and New Jersey spring, then disced and spike harrowed until remove the soft green peas without injury.

sufficient soil for a seed bed is obtained. This In the South and East this grain has two treatment is often followed by "planking," that insect enemies. The one is the pea aphis, a

Its cultivation is supposed to have originated The usual practice is to use from two to three million dollars annually. harrow, and a good rolling will facilitate cutting are light and usually very few of them germinate. but a subordinate position. at harvest time.

In selecting seed care should be taken to secure a sample free from noxious weed seeds. Nearly all the flax offered for sale is more or less mixed with wild mustard seed. I have found six separate and distinct kinds of wild mustard seed in one sample of flax seed. It is difficult to separate mustard seed from flax with the ordinary fanning mill, and I have found thousands of acres of new land seeded down with ball mustard, false flax and hare's ear mustard the very first year of

When flax is sown on old land it pays to use Fortunately the Northwest is quite free from land devoted to this crop by our Russian imonly summer fallow or broken grass sod, other-both of these insects and this fact should prove migrants, many of them still prefering the black paying crop. The young flax plant is somewhat their production for seed purposes. delicate and will not thrive when badly crowded

with weeds. ripe and not left exposed to the weather for weeks broken cultivated grass sod. afterwards, as is the practice with some farmers

Where large areas of flax are grown it is the plenty of moundy vine but very lew pods. They have to grass, as it is usual practice to cut the crop with a grain harvester, having the tying portion removed altoplants of all field peas are hardy, also most of the and does not shade the ground to any great exgether, or worked without twine. This leaves the garden peas, and there is very little danger of tent.

Rye also makes one of the earliest soiling or dry and then drawn direct to the threshing matrix.

From two or three but very lew pods. They have the plenty of moundy vine but very lew pods. They have the plenty of moundy vine but very lew pods. They have the plenty of mounds in the plenty of moundy vine but very lew pods. They have the plenty of mounds in the plenty of mounds. They have the usual practice to cut the crop with a grain harvest every erect plants of all field peas are hardy, also most of the and does not shade the ground to any great exgether, or worked without twine. This leaves the garden peas, and there is very little danger of tent.

Rye also makes one of the earliest soiling or plants of the plenty of mounds. They have the usual practice to cut the crop with a grain harvest every erect plants of all field peas are hardy, also most of the ground to any great exgether, or worked without twine. This leaves the ground to any great exgether, or worked without twine. This leaves the ground to any great exgether, or worked without twine. This leaves the ground to any great exgether, or worked without twine. The plants of all field peas are hardy, also most of the ground to any great exgether, or worked without twine. The ground the ground to any great exgether, or worked without twine. The plants of all field peas are hardy, also most of the ground to any great exgether.

Rye also makes one of the earliest soiling or plants of the ground to any great exgether. dry and then drawn direct to the threshing ma-

kept where the snow will not drift on it.

THE FIELD PEA

other part of Canada. They are very heavy in tor, avoiding the danger of the bunches drifting the head is well formed it makes a very fair hay,

By S. A. BEDFORD

The Manitoba Crop Bulletin of December 15th, to weather. The usual dry harvest weather grain on the way. 1908, gives the area in flax in the province as a of the West ensures an excellently colored sample.

acre. A large proportion of the flax in both and a few counties in Ontario for canning purpos-

Experimental Farm. A disk drill, in good repair, the young pea pod in blossom, later on when tion of rye is grown in Russia and fully five-sixths is the most suitable implement for this purpose, as hatched the lava burrows its way into the soft is raised in Russia, Germany and Austria Hunit cuts its way through sod or rubbish and deposits kernels of the grain and feeds on it until winter, gary. the seed at a uniform depth. Usually it is ad- when it works its way out leaving little more visable to follow the drill with the ordinary iron than the shell of a pea behind. Weevil-eaten peas does wheat, but in France and England rye holds

with the wind. Owing to our ideal harvest weather the peas will remain in the pod for weeks after ripening without injury. If pulled with a by the when nearly ripe, as is often done in the usually grown for the fiber, but in the West it is weight, quite free from injury by the pea weevil, East, the bunches will frequently roll for miles and are seldom discolored from mould or exposure with the first stiff breeze and shatter out all the

While all other grain crops tend to the depletion little over 50,000 acres and the yield slightly over The vines after the peas have been removed of the fertility of the land a crop of peas gathers half a million bushels, averaging 11 8-10 bushels make good fodder for sheep, but should not be nitrogen from the atmosphere and builds up the fed to horses as the straw is injurious in some soil, for that reason fall wheat is often sown on fall stubble in Ontario in preference to summer

The cultivation of rye is not nearly so ancient provinces was grown on new breaking. The vir- es. For this purpose the vines while still green as that of wheat and barley. It was unknown to gin prairie is plowed as early as possible in the are run through what are called "Viners" which the ancient Egyptians and the ancient Greeks did

is a leveller composed of planks nailed together, green louse, which feeds on the juices of the plant in North Eastern Europe. It was formerly a clap-board fashion, is drawn over the land to and often completely destroys the crop. The very important crop. About the middle of the level it before seeding. The best time for seeding injury from this little insect is said to have past century rye formed the principal sustenance is towards the end of May or beginning of June. cost the pea growers of the United States four of one-third of the population of Europe. In the early days it was sown mixed with wheat and in pecks of seed per acre, but a somewhat heavier The other insect enemy is the pea weevil. New England corn and rye were often mixed seeding has given the best results at Brandon The eggs of this insect are deposited by a fly on for flour. About one-half of the world's produc-

Russia raises more rye than the United States

The average yield per acre of this grain in the United States is about 12 bushels, and the average price 62 cents per bushel, the least average value per acre of any of the cereals, when we consider the grain alone.

The acreage of rye sown in Manitoba shows a rapid increase, the Government Report for 1906 estimates only 6.029 acres in this crop, while the final crop bulletin estimates the area sown in 1908 at 17.611 acres and the yield at 19 bushels per acre. No doubt this increased area is largely due to the additional

The rye plant is much hardier than the wheat The best soil for peas is a somewhat stiff clay plant. I have found fall rye quite hardy at Bran-

Rye has the advantage of being able to produce To secure a paying crop in this country peas a crop of grain on soil so badly exhausted that no must be sown early, late sown peas will produce other kind of crop will grow. It is excellent as a

gophers. They will germinate well even three There are two well known kinds of rye, the inches deep. For this reason the newly intro- fall and spring, but there are very few varieties of The field pea has been grown for human food duced disc drill is excellent for sowing peas, every each, Giant and Common are the only two I have

Eastern States produces the bulk of the American pea harvester attachment, costing about \$12.00. etc., from the straw. In America, about its only supplies, and the Western prairies of Canada By means of this appliance the peas can be cut use is for stuffing horse collars, the making of



THRESHING CROP OF SPELTZ WHICH YIELDED 84 BUS. PER ACRE, ON FARM OF JAS. WILSON, DUGALD, MAN. This section grew 17,000 bus. of grain in one season, 9000 of which was wheat, realizing \$6740.

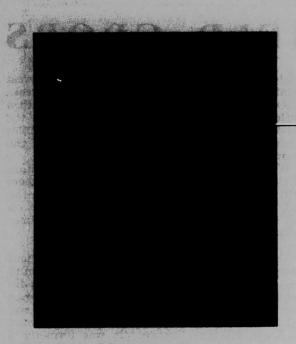
wise the weeds will prevent the harvesting of a an inducement to growers to engage largely in rye bread of their forefathers.

loam, with abundant moisture, and the best predon, and I understand that the Minnonite settlers Flax is a short season crop and will mature paration is a well worked summer fallow. The in Southern Manitoba grow a considerable area of quickly, but it should be harvested as soon as next best is a piece of backsetting or newly it.

Where large areas of flax are grown it is the plenty of mouldy vine but very few pods. They nurse crop for seeding down to grass, as it occu-

sown to the acre, depending on the size of the pea, the previous August is often fit to pasture by the Flax is somewhat difficult to thresh and should the larger the pea the more seed to the acre. The end of May and can be cut for green fodder be fed slowly into the separator. The price Golden Vine is a good variety of the smaller size, early in June. Land that is badly exhausted charged for threshing is somewhat higher than and the Mackay is a good large variety. In may be restored somewhat by having repeated for grain. Flax seed is easily damaged from sowing this grain it is very important that every crops of rye plowed under in a green stage. This mould and should be quite dry when binned and pea should be placed at a good depth, any left on plan adds considerable humus to the soil and the surface are quickly devoured by birds or assists in restoring the fertility. from the early ages. This grain has been found grain is deposited below the surface and at a met with and there is very little difference be-

The different varieties vary greatly in size, In the eastern provinces it is the practice to Bread from rye flour is supposed to be more color, and earliness. These different kinds have mix oats with peas at the rate of one peck of oats nutritious than that made from wheat, but it is to two bushels of peas. By this plan the com- much darker in color and very quickly sours. As stock food peas are very nutritious and are bined crop will grow erect enough to cut with a The grain is largely used for distilling. greatly relished by swine and cattle, and in binder, but I have found that the plan lessens Rye straw is very useful for some purposes, England they are fed in limited quantities to the yield, and a much better system is to sow the being tougher than that of other grain. horses engaged in heavy work. This grain suc- peas alone and leave the crop until it is dead ripe, rope thousands of people are employed through-ceeds best in a cool climate. Canada and the then cut with a common grass mower having a out the year in the production of baskets, hats, grow a better sample than can be produced in any quickly and drawn at once to the stack or separa-paper and for packing. If cut quite early before



GEO. A HARRIS. the prize winning grain grower's in the Heward district, Mr. Harris specializes in oat growing, and won first prize in oats at the Regina Provincial Seed Fair.

The grain can be used for stock feeding to a limited extent, being perhaps about equal to wheat for that purpose. The by-products from rye are bran and distillers' grains. Rye bran has facture of various fabrics, yarns, threads and claims, that low prices accepted for wheat last about the same feeding value as wheat bran.

of seed used, it matures quicker than wheat, and if fibre could be separated from the plant. sown at the same time can be harvested and stacked before the wheat.

harnessmakers.

is almost unknown here.

Common emmer is the variety usually grown before any further operation. here, it has about 78 per cent. of kernel to 22 per cent. of husk. The straw of emmer is very free of rust and usually stands up well. If the crop is allowed to become over ripe and some of the heads break off and scatter on the ground, been invented for the purpose of separating the reducing the yield more or less and sometimes fibre, without the "retting" process. So sucproving a nuisance to future crops.

ductive than the common wheat, but when we quite satisfactorily. In fact, the separation of consider the amount of kernel alone it scarcely ever equals the macaroni or goose wheats. given large yields of this grain. Evidently the perimental stage, and is now being carried on soil there is specially well adapted to emmer. profitably. In 1901, emmer gave a return of 3,080 pounds of grain, including husks; Red Fife, 1,720; American Beauty oats, 2,320 pounds and Mensury barley, 2,320 to the acre.

Owing to the unusual size and formation of the berry of emmer there is much uncertainty regarding the most suitable manner of setting the grain drill when sowing this grain. In 1902 it was found at the Brandon farm that with the Massey-Harris shoe drill set at 13 bushels of wheat the best yield was obtained.

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conditions emmer may give very fair returns seed, is burned. There is annually paid out in and prove useful for feeding purposes, it will not Canada \$2,000,000 for 30,000,000 pounds of equal Mensury barley either in yield or usefulness fibre, while, at the same time, 120,000,000 pounds grown from 132 in 1904 to 458 this year. The great on the average Western farm.

Binder Twine from Flax Fibre

Binder twine, to the amount of about 30,000,000 pounds, was used in Canada during the season of 1908, all of which was made from fibre most in everyone's mind at present. London has that Canada was obliged to import. At present, twine for the Canadian harvest is manufactured from manilla fibre from the Philippine Islands, sisai from Yucatan, and New Zealand fibre from New Zealand. At the request of the Department

The primary cause of the shortage was the failure of Trade and Commerce, Inspector J. L. Haycock of the Argentine crop through frost last December, of the Argentine crop through frost last December. has submitted a report on the manufacture of binder twine from flax fibre. We quote this report as follows:

The value of the fibre used in the Canadian

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Track and an indirect cause is certainly the Chicago "corner."

Prices have bounded up with remarkable rapidity, English wheat was quoted at 36s. per quarter at the beginning of February, and now as high as 50s. has

The value of the fibre used in the Canadian industry would, even at present prices, which are the lowest for eleven years, represent an outlay of over \$2,000,000. And, with the continued development of the Canadian Northwest, the amount required annually will not only be more and poor people have suffered severely owing to the than doubled in the next ten years, but will ri increase for many years to come. A large amount of time and money has been expended in Canada, United States and elsewhere in trying to obtain a native fibre that would answer the same purpose. The plant which seems to give the greatest promise of success, and the one that has received of, and even dealers do not seem to be in a positionthe most experimental attention in this line is to make large profits owing to the small stocks week flax. But the great difficulty has been to invent by week for some time past. but is much too hard for this purpose if left later. some process by which the fibre could be separated from the woody matter or "shive" in the plant.

FLAX FIBRE EXTRACTED BY ROTTING

twine has been long recognized, and utilized for autumn are the cause of the present high quotations By the Grain Inspection Act rye is divided into numerous purposes for hundreds of years, but and calls for assistance by state or bank aid to enable three grades: No. 1 and 2 Manitoba rye and the systems adopted in the past for extracting farmers to hold their wheat so that deliveries may be steady throughout the year instead of being crowded three grades: No. 1 and 2 Manitoba rye and the systems adopted in the past for extracting farmers to hold their wheat so that deliveries may be rejected. From the wording of the Act it would the fibre from the plant have been crude, slow, appear that the principal objection to some of the and expensive. Under these systems, it was some authorities claim that the high prices will samples is the mixing of other grains with it.

Land for this grain should be prepared as for rotting, or, as it is commonly called "retting," the plant through a process of bring out reserve supplies from all sorts of unexpected quarters, but for the moment the outlook is exwheat, and about one and one-half to two bushels in order to get it into a condition whereby the

The first of these systems was known as "dew The first of these systems was known as "dew retting," and consisted in spreading the flax valuable and interesting data regarding dairy cattle. Although I can not recommend the general straw thinly on the ground, turning it frequently. The Society has made many tests in the last quarter cultivation of rye in this county for the grain alone, and continuing the process until the action of the of a century, and the results of the milking trials and Although I can not recommend the general straw thinly on the ground, turning it frequently, I think that it will often prove very useful for dew and rain on the plant had rotted it sufficiently early pasture or for a soiling crop, and the straw to separate readily. The second, "river retting," can generally be sold, if convenient, to large consisted in placing the flax in large crates, sinking the filled crates in water, and, by weightspeltz and ember sinking the filled crates in water, and, by weighting them with heavy stones, keep them submerged until sufficiently rotted. The third ducting the first forty days, with a maximum of dividuals regarding the above cereals. What individuals regarding the above cereals. What of building large tanks, in which the flax straw is is generally grown in the West as speltz is properly placed, pumping water in, and leaving until average of two day's yield. speaking, a variety of emmer, and the true speltz ready to separate. With these two latter systems the straw had to be taken out and dried

SUCCESSFUL SEPARATION BY MACHINERY

In order to overcome the difficulties in connection with these processes, various machines have cessful have been some of these inventions, that Emmer withstands drought rather better than in Canada, at the present time, machinery is in wheat. On some soils it also proves more pro- use extricating the fibre from the unretted flax the fibre from the unretted flax, and the manufacture of it in various grades of shop, counter The Brandon Experimental Farm has usually and other commercial twine, has passed the ex-

There has also been a small quantity of binder twine made from this fibre, which, it is contended, has done good work in the field, although it is Non-Pedigree. thought that some slight improvements are still necessary before it will be perfectly satisfac-breeds. Still the 15 Shorthorns averaged 483 pounds materially beneficial to Canada.

YIELD WOULD BE 600 POUNDS TWINE PER ACRE

Under this process, the yield of fibre is about 300 pounds per ton of flax, and, as the average yield of flax is about two tons per acre, it would mean about 600 pounds of fibre per acre. The The Jersey's true for tery mach from the showing of the same tend-pointing, fat averaging only 3.13 per cent with a low yield. The Kerries did well. In the same year it was found that there was yield of flax is about two tons per acre, it would area of flax grown in the Provinces of Manitoba, "Dorothy", though her fat percentage was lower Saskatchewan and Alberta for the year 1908 was than some others, both Pedigree and Non-Pedigree During that year a trial was made in feeding about 200,000 acres, which, at 600 pounds per emmer to fattening steers, in comparison with a acre, represents a yield of 120,000,000 pounds of mixture of wheat, oats and barley. The lot of fibre. If manufactured into binder twine, the able to judge what their cows really are as producers, steers fed on emmer gave a somewhat larger quantity would be four times as much as was and how very few actually test their cows. required to tie the Canadian grain crop of 1908. Although on certain soils and under peculiar At present, all this flax, after separating the of fibre is burned.

High Prices for Grain and Shires

OUR ENGLISH CORRESPONDENCE.

The alarming scarcity of wheat is the topic upperonly 50,000 quarters in storage—a single week's supply and stocks all over the world are said to be low. The supplies in farmers' hands here are only about 20 per cent. of the average for the time of the

been attained.

There are signs that at this high figure the limit has been reached for the present and the prices show a

Dearer and dearer bread has been the consequence

Very few English farmers could have been convinced a few years ago that wheat would ever go over 40s. a quarter again, but year by year the

average price has crept up to the present high figures. Farmers here will not benefit much by the abnormal prices as most of their wheat has been disposed

If wheat should keep permanently near the 40s mark the acreage of wheat in the United Kingdom

will be largely increased, perhaps doubled.

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The awards are calculated on the following basiseach breed being required to reach a certain standard

One point for every pound of milk, taking the

Twenty points for each pound of butter fat. Ten points are deducted when butter fat falls below 3 per cent., and ten points when solids not fat fall below 8.5 per cent. The standard set for each breed is as follows

Pedigree Shorthorns. Lincoln Red Shorthorns. Non-Pedigree Shorthorns. lerseys Guernseys Red Polls S. Devons 100 Kerries and Dexters

At the last meeting 91 cows were tested and 33 exceeded the standard. Ayrshires, Red Polls and Dexters showed many failures. Five Jerseys out of 16 were successful; 10 Pedigree Shorthorns out of 15 tested; and 4 Kerries out of 5. A peculiar feature of the test is the comparatively low scale of points for the Pedigree Shorthorns in comparison with the Non-Pedigree

Twenty-two animals failed to produce 3 per cent. of butter fat; 12 of these being of the Shorthorn tory. These improvements will undoubtedly of milk per day, and 12.58 per cent of solids. The be made in a short time, and the result will be materially beneficial to Canada.

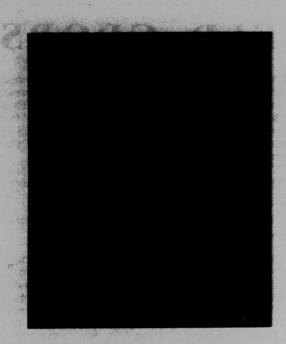
Non-Pedigree Shorthorns averaged 51 pounds per day, with 12.7 per cent. solids, and a fat average of 3.83 per cent.

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Shorthorns, she produced a much larger quantity.

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	Points
Pedigree Shorthorns.	90
Lincoln Red Shorthorns.	100
Non-Pedigree Shorthorns.	110
Jerseys	95
Guernseys	85
Ayrshires.	90
Red Polls	90
S. Devons.	100
Kerries and Dexters	75

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The Easter Parade in Regent's Park of the London drapery houses of the West End are strong supporters

Oct. 14, 1871, Macon, Ga., 501 miles.

June 17-30, Philadelphia, 200 miles, 40 hours.

Dec. 14-19, Newark, N. J., 500 miles, 5 days 23 hours 28 minutes.

December, 1896, New York, 103 miles, 23 hours 59 minutes.

May 23, 1966, Philadelphia to New York, 100 miles, 23 hours 54 minutes. Chicago, 1,234 miles in 25 days.

miles, 24 hours.

hours. Feb. 23-26, 1876, 275 miles, 75

March 6-11, 1876, 450 miles. June 19-25, 1876, 450 miles.

miles backward, 72 hours. April 2-7, 1877, 510 miles, 5 days, ported, and 98,242,000 skins, while 5 000,000 skins went into local con-

June 12-16. 1871, New York, 400 the Rio Grande to Scattle, and from miles, 4 days 23 hours 32 minutes. Chicago to San Francisco, intersect a Chicago to San Francisco, intersect a territory. In the meantime, miles, including one-half mile back- Messrs. Armour & Co. are getting toward, 8 hours 49 minutes 45 seconds. gether a new team. A life of ease is May 11-16, 1874, New Ynrk, 430 promised the old horse Jim at the close of his memorable career in the show-ring.

A GREAT THOROUGHBRED SIRE

An inadvertent misstatement occurred in connection with our report January, February, March, 1886, of Mr. R. M. Dale's importation of with Dan O'Leary in various cities, Thoroughbreds in the April 21st num-2,500 miles; beat O'Leary 200 miles. ber. In place of the horse Manuel December, 1893, Battery, New York, being described, there should have to Albany, 160 miles, 59 hours 59 been a description of a much more notable sire.

By reference to his papers, Mr. Dale finds he has secured "Azra," by Reform, out of Albia, by Alarm. He won the Champagne Stakes, the Kentucky Derby, the Clark and Travers' Oct. 29, 1907, Portland, Me., to Stakes, and many other races. This is one of the grandest race horses In England, Feb. 8-9, 1876, 110 ever brought to Western Canada, and Dale has been congratulating Feb. 16-18, 1876, 180 miles, 24 himself that he has got possession of such a sire.

Some enormous figures are contained in a report upon the destruc-Sept. 25-30, 1876, 500 miles
Feb. 12-17, 1877, 330 miles, three During the last five-yearly period, 12c backward. 72 hours.

Inspector of Vermin in Australia. During the last five-yearly period, 41,423,000 frozen rabbits were ex-



TWO-YEAR-OLD CLYDESDALE STALLION, "MASTERPIECE." First in his class, first for Canadian Bred Stallion, any age, and reserve for Championship, Calgary Spring Show, 1909. Bred by John A. Turner. Property of Bryce Wright, De Winton. Sire, Consul by Baron's Pride.

peating in July and September.

June, 1879, won Astley belt, 550 grass as 1,500,000 sheep.

miles, 141 hours 44 minutes. Nov. 21, 1883, to March 5, 1884, for The mother who desires to convince

temperance lectures daily.

the most extensive advertising tour said against tobacco, and these facts of the sort ever undertaken. It will calmly stated will convince the reaof the sort ever undertaken. It will calmly stated will convince the reable on the road until late next autumn, travelling all over the West and South-west. The team will be composed of Mack and Dude, leaders, fluity; it is not necessary either to Phil and Star in the swing, and the new pair of wheelers shown at the last International. Big Jim is to be last International. Big Jim is to be taken along, to have a good time in a sort of retired old gentleman fashion, getting all he wants to eat, a learn at the start that doubtful or comfortable place to sleep, and daily needless habits become incumbrances, exercise in the parades. How many become like burdens that the foot thousand miles will be travelled bettaveller has to carry. When men fore the team comes home again it is have to enter battle they carry as hard to say, but lines drawn from little as may be that is likely to

June, 1877, 400 miles, five days, re-sumption, making a total of 103,242, January, 1878, 1,000 miles, 400 confor five years has been 67,838,000, or a yearly average of 13,567,000 skins, February, Glasgow, 1,500 miles in which Mr. Allan says represent rab-bits that would consume as much

THE TOBACCO HABIT

Church of England Temperance Soher boys that the tobacco habit is ciety, walked 50 miles a day for 100 unadvisable should be careful that her days, Sundays not included, over statements are such as will not be country roads and hills, and delivered contradicted by their observation of men who are addicted to this prac-On March 5th, the Armour six-ly, leads the boys to think later that horse team of Percherons, with the mother spoke from prejudice and William Wales and the big yellow not from knowledge. There is enough truck, took the road from Chicago on that is rational and probable to be the most extensive advertising four said against tobasco, and these facts.

hard to say, but lines drawn from little as may be that is likely

HAIL! HAIL! HAIL!

Loss Claims paid last year \$30,152.89 Paid last five years -\$302,866.24

Plans of Insurance Same as in 1908

Average Rate of Assessment six years, 161c, per acre Have now \$1,600,000.00 Insurance in force Assessment governed by amount of loss

SURPLUS ASSETS \$23,339,00

Including premiums on Insurance now in force over \$87,000.00

NO LIABILITIES

Cash Deposited with Government \$5,000.00

The Company is now stronger financially than ever before. For further information see our agent, or write.

The Manitoba Farmers' Mutual Hail Insurance Co.

W. C. GRAHAM, Manager, Winnipeg 2

Box 1147



Bruce's New Century Swede Turnip

Sales season 1901, when first introduced 16 lbs.; 1906, 9370 lbs. The best all-round variety. It is one of the few Swedes that resist mildew, the best shipping variety, and for cooking purposes cannot be excelled by any other Swede. It is a purple-topped variety resembling Westbury, of splendid uniform growth, of fine quality, a heavy cropper and the roots are clean and of handsome shape. In sections where large quantities are grown for the American market, the Growers and Shippers will have no other: one-fourth pound, 12 cents; one-half pound, 18 cents; one pound, 30 cents; four pounds for \$1.15 postpaid.

Bruce' Mam. Inter. Smooth White Carrot

Sales season 1891 when first introduced 14 pounds, now 1352 pounds. The best of all field carrots and invaluable for horses. This grand half long Carrot is of large size, solid, productive, of finest quality, a splendid keeper, and has the advantage of being much more easily harvested than the old long varieties. one-fourth pound, 17 cents; one-half pound, 33 cents; one pound, 55 cents. Postpaid.

Send for our handsomely illustrated 100 page catalogue of Vegetable, Farm and Flower Seeds, Plants, Bulbs, Poultry Supplies, Garden Implements, etc.—FREE.

J. A. BRUCE & Co. Seed Merchants Hamilton, Ont.



hinder freedom of action. Soldiers on long marches take only what is essential. The boy must learn that the less he is encumbered by needless habits the better are his chances of

success. The boy should know that the red Indians, from whom we imitated the use of tobacco, never allowed their own boys to touch the weed until they were full grown and had been on their first warpath; the Indians in their natural condition, before the white men depraved them, were one of the healthiest races in the world; they had extraordinary powers of endurance, and they knew much about simple laws of health. They knew from ages of experience with tobacco that, whatever its effect on mature persons, it was not good for growing The youth had to leave it alone until he had become a young man and had proved his endurance by going with the warriors to battle. This ought to be enough to influence any boy who is ambitious to be well and strong to let tobacco alone at least until he is of age. The Indians were keen observers and so far as taking care of themselves for hunting and for war knew much about nature. Then as to the practice for grown men among them, we must remember that with the Indians the smoking of tobacco was originally a religious ceremony; it was like the offering of incense. In their smoking of the pipe of piece, they passed the pipe from hand to hand around their circle and only took a puff or two each. It is probable that the uncorrupted Indians did not make a practice of smoking constantly, as many white men do, and as perhaps the degenerate Indians now do.-Home Magazine.

ALBERTA FAIRS

The following are the dates set by the annual convention of the Alberta Agricultural Fairs Association for the fairs to be held in Alberta in 1909:

Edmonton, June 29 and 30, July 1

Calgary, July 5, 6, 7, 8, 9 and 10. Innisfail, July 12 and 13. St. Albert, August 3. Fort Saskatchewan, August 4. Olds, September 13 and 14. Claresholm, August 3. Macleod, August 4, 5 and 6. Lethbridge, August 10, 11 and 12. Leduc, September 21. Daysland September 22 and 23. Sedgewick, September 24. Lloydminster, September 28 and 29. Vegreville, September 29. Vermilion, Sept. 30 and October 1. Viking, October 5. Raymond, September 20 and 21. Pincher Creek, September 23 and 24. Cardston, September 23 and 24. Cardston, September 30. Irvine, October 1. Didsbury, October 5 and 6. Ponoka, October 6 and 7. Lacombe, October 7 and 8. Three Hills, October 12. Priddis, October 14. Alix, September 29.



How a Reliable Engine Economizes Labor

OF course, you, like other farmers, want to economize your time.

Think in how many places a

Think in how many places a power would be a help to you—would save time and work—if you had it in a handy form ready for use in a minute.

Think how much hard work it would save you in cutting feed—in sawing wood, posts or poles—in running the cream separator or churn—in operating shop or

other machinery.

The I. H. C. gasoline engine is a power that is always ready at your hand. It is not necessarily stationary, like the windmill, and on that account adapted

to doing only one kind of work.

The engine is built in many styles—there are portable engines on trucks and skidded engines which can be moved wherever the work is to be done. Then there are stationary engines, both vertical and horizontal, in sizes from 1 to 25-horse-power, air cooled and water cooled, and also gasoline traction engines 12, 15 and 20-horse-power. Besides, there are special sawing, spraying and pumping outfits from which you can select an outfit

The engines are simple in design so that they can be easily understood.

They are strong and durable—constructed with a large factor of safety, inasmuch as they have greater strength than would ordinarily be required. Yet they are not clumsy or too heavy.

All parts are accessible and easily removed and reassembled. Every engine will develop a large per cent of power in excess of its rating—you get more power than you pay for.

They are absolutely reliable you cannot find one inefficient detail. They are unusually economical in fuel consumption less than a pint of gasoline per horse-power per hour. This means that a 2-horse power engine will produce full 2-horse power for five hours on only one gallon of gasoline.

Would it not be a wise plan for you to investigate and learn how an I. H. C. engine will save time and lighten the labor on your farm?

International local agents will supply you with catalogs. Call on them for particulars, or write the home office.

EANADIAN BRANCHES: Brandon, Calgary, Edmonton, Hamilton, London, Montreal, Ottawa, Regina, Saskatoon, St. John, Winnipeg International Harvester Company of America, Chicago, U.S.A. (Incorporated)

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WE are printers of all work desired by the UP-TO-DATE farmer such as Bill Heads, Envelopes, Cards, Catalogs, Booklets, etc. Send in your order and we will, if desired, submit an estimate.

Farmer's Advocate of Winnipeg Ltd.
Winnipeg, Manitoba

Milnerton, October 6. Wetaskiwin, September 30 and October 1.

Gleichen, August 19 and 20.

A LESSON FROM A MIXED FARMER
A correspondent at Gilbert Plains,
Mr. J. R. Dutton, sends us a clipping
from the Chester (Eng.) "Chronicle,"
the moral of which, he thinks, is
good for many Manitoba farmers, and,
as we think so too, we reproduce it
herewith. Mr. Dutton says:

"There is much in this of interest to dairymen, especially that part dealing with the care of the cattle. If Mr. Shepherd's plan was followed I do not think there would be much trouble with impure milk or tainted butter, and the animals would be entirely free from diseases, such as tuberculosis, etc.

"Possibly as the article contains so much valuable information on general farming, you may find room for it on some future occasion. The Old Country farmer is not so slow after all if Mr. Shepherd is a fair sample."

Parkside Farm, Aston, Preston the home of the courageous Mr. Robert Shepherd, is well worth a visit. Even on a cold February day, when nature adds little to the charm, there is here much to interest and educate. We are farmers visiting a farmer, not with the object of describing our visit in "The Chronicle," but just desirous of seeing one of the largest dairy herds in the United Kingdom, and hearing from the owner of his methods; we saw, and heard, and were in no way disappointed. Mr. Shepherd has been tenant here for 11 years. The history of this farm previous to Mr. Shepherd's tenancy was a lamentable one. That awful scourge, which we regret to say is still with us (we refer to anthrax) had played havoc among the live-stock to such an extent that for two years the place remained tenantless. surely a testimony to Mr. Shepherd's indomitable character that he ven-tured to stake his all upon a place with such a disastrous history. may interest many readers if we describe Park Side as we find it to-day. Eleven years of strenuous endeavor has brought about a reformation in-

With an area of 427 acres all in a ring fence, a soil of good sandy loam, it gives ample scope for mixed farming. Mr. Shepherd is a milk-producer, and supplies from 3,500 to 4,000 gallons of milk per week, all the year round, to the Runcorn and Widnes Co-operative Society, some part of this is from another farm which Mr. Shepherd holds at We were not surprised, therefore, to find a rotation of crops amply providing the necessary food for winter and summer milk production. He crops 70 to 80 acres with early potatoes, which permits of a second crop of cabbage. He grew 50 acres of hese last season, from which since October he has taken a daily toil of eight to ten tons, and we saw on the field several acres of good solid 'hearts'' yet remaining. His man-gels are the produce of 24 acres, and ne has also six acres of Swedes.

"Just have a look at the seed potatoes," said our host, and we walked from the ground floor of one yard along the second, or loft floor of three ranks of buildings which surrounds another yard on a lower level. Here we saw stacked, 12 boxes high the whole floor covered, just leaving room for inspection, 5,000 boxes of early potatoes—a sight worth seeing to those interested in this branch of agriculture, all beautifully sprouted. of the best known varieties, stored safe from the frost, and in a temperature that could be altered to suit their requirements. The inspection of the tubers was just a preliminary as we waited the arrival of a fourth party. Our delinquent friend having now arrived, we proceeded to inspect the dairy cattle. Whether he talks like it or not, Mr. Shepherd is a man who keeps cows; two hundred and fifty of them we saw, well housed well groomed, well fed. They are mostly of Irish extraction, not over big, but well selected and showing excellent milking properties, and

mostly quite young Shepherd feeds off all they are in quality, liever in the "one note rears about 20 calves en buys calvers to regulate ply to his customers'

He feeds abundantly

plementing his home-gr oats with Indian mea old corn), and decor meal. The cows get this per day, after morning, again when watering in the form again before evening sides this, of course, dant rations of hay, r The cows are bage. at a time in the fores access to an abundant water in troughs so co the animals cannot taminate it. The cat than half of which ha by Mr. Shepherd at hi are well constructed, room on the floor surf tilation is perfect; our own ideas about this that light and efficient more important than space.

We now come to theories of cleanliness, disinfection, as prevent against the contraction tuberculosis in his her



Winner of 2nd at the Regina

tion is better than exand without doubt he he preaches. The periodically sprayed widisinfectant and then The whole floor surface week spread over we quick lime and chloride an animal shows signs she is at once isolated well disinfected before the cleanliness of the were perfect in this responded in clean wheat iters.

Mr. Shepherd's prevures play a very imported the precautions which keep dirt out of the mi with much interest the of milking operations is provided with a apron, and is required hands before commencin boy precedes the milker with two cloths cleans udder. Fifteen to eigare employed, all men; talk," says Mr. Sheph is not practised, an in cows' udders after the othat is considered necrespect.

respect.
Mr. Shepherd has no finding milkers; he emp 20 men. There are nin his farm, so that a fa

nber 30 and Octo-

9 and 20. WIXED FARMER t Gilbert Plains, ends us a clipping

ng.) "Chronicle, he thinks, is oba farmers, and, we reproduce it on says:
i this of interest

cially that part re of the cattle in was followed I would be much milk or tainted ials would be enases, such as tu-

article contains ormation on genay find room for casion. The Old ot so slow after a fair sample. Aston, Preston f the courageous is well worth a ld February day, le to the charm. to interest and rmers visiting a object of describ-Chronicle," but eing one of the in the United from the owner saw, and heard ay disappointed n tenant here for ry of this farm epherd's tenancy That awful egret to say is fer to anthrax) ng the live-stock tt for two years nantless. Mr. Shepherd's that he venill upon a place us history. eaders if we deve find, it to-day

7 acres all in a ood sandy loam, for mixed farmis a milk-profrom 3,500 to per week, all ne Runcorn and Society, is from another pherd holds at surprised, therea of crops amply ry food for winproduction. He with early potaf a second crop ew 50 acres of m which since a daily toil of I we saw on the of good solid His manof 24 acres, and

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of Swedes , and we walked or of one yard ings which sur 5,000 boxes ht worth seeing this branch of hether he talks w, well housed) ted and showing roperties, and

May 12, 1909

plementing his home-grown wheat and oats with Indian meal (best-quality old corn), and decordicated cotton meal. The cows get three rations of this per day, after milking in the morning, again when tied up after watering in the form of mash, and again before evening milking. Besides this, of course, they get abundant rations of hay, roots, and cabage. The cows are turned out 50 by practical experience. Mr. Shepherd as a farmer knows full well the at a time in the forenoon, and have herd as a farmer knows full well the access to an abundant supply of good value of systematic prevention; his water in troughs so constructed that conclusions are the outcome of extended that conclusions are the outcome of exthe animals cannot themselves con- periments which he has carried out, taminate it. The cattle sheds, more as he says, from the standpoint of than half of which have been erected making it pay, and after all, in the by Mr. Shepherd at his own expense, consideration of this great question, are well constructed, allowing ample the commercial aspect of the schemes more important than actual air is unquestionable. space.

We now come to Mr. Shepherd's theories of cleanliness, sanitation, and disinfection, as preventative measures

mostly quite young animals. Mr. accommodation is available for la-Shepherd feeds off all his stock while borers. It is worthy of note that they are in quality, but is no bethere should be no labor problem inliever in the "one note" system. He volved. One so often hears farmers rears about 20 calves each season, and remark that they cannot get men unbuys calvers to regulate his milk sup- less they are provided with beer at ply to his customers' requirements. harvest time. Mr. Shepherd contra-He feeds abundantly with corn, sup- dicts this, as he states that he has plementing his home-grown wheat and not given his men a pint of beer since

room on the floor surface. The ven-advocated, is one of vital importance tilation is perfect; our friend has his to us, who will have to assist in own ideas about this, and declares carrying out the measures decided that light and efficient ventilation are upon. That something must be done that i'm when we offered to guarantee the best materials and that we watch and instance in the property of the property of

CLYDESDALES AT CRAIGIE MAINS



PERCHERON STALLION DOCTUER.

Winner of 2nd at the Regina Spring Stallion Show. Six years of age, owned by W. C. Swanston, Pense, Sask.

tion is better than cure," says he, sales still keeping brisk. We have and without doubt he practises what sold, since writing you, the following: he preaches. The shippons are A first-class colt to W. H. Dodds, of providing the present of the the present of

TRADE STILL HOLDS GOOD IN

against the contraction and spread of In a recent letter to the "Advotuberculosis in his herd." Preven-cate" Messrs. Mutch say: "Our

periodically sprayed with a powerful Cut Knife; to John Simpson, of disinfectant and then lime washed. Moose Jaw, Earl Bombie, by Baron The whole floor surface is twice a Hood, a big, thick colt; to Fred week spread over with powdered Brook, of Elgin, Man., the good quick lime and chloride of lime. If horse, Lord Middleton, by Royal Faan animal shows signs of tuberculosis vorite. This is a young horse that she is at once isolated, and the stall was a lot thought of at Regina and well disinfected before being again oc-Brandon shows. He is one of the cupied. We were much struck with fleshiest-legged horses that ever well disinfected before being again oc- Brandon Shows. He is one of the cupied. We were much struck with fleshiest - legged horses that ever the cleanliness of the cattle. They graced a western show-yard, and, in were perfect in this respect, and stood another year, he should stand well bedded in clean wheat straw like hunters to the front. Mr. Brook, in selecting this horse to head his valuable stud, the straw like hunters and the straw like hunters are the straw like hunters. Mr. Shepherd's preventative meas- has displayed excellent judgment. He ures play a very important part in had just previous to this bought the the precautions which he takes to three good mares, Lady Eva, Gay keep dirt out of the milk. We noted Jess and Lady Marshall, and was so with much interest the commencement well pleased with them that he ended with much interest the commencement of milking operations. Each milker is provided with a large overall apron, and is required to wash his hands before commencing to milk. A boy precedes the milkers, and armed with two cloths cleanses each cow's udder. Fifteen to eighteen milkers are employed, all men; "women will talk," says Mr. Shepherd. Stripping is not practised, an inspection of the cows' udders after the operation is all that is considered necessary in this respect.

Mr. Shepherd has no difficulty in finding milkers; he employs regularly 20 men. There are nine cottages on his farm, so that a fair amount of sets and Lady Mains and was so well pleased with them that he ended in adding Lord Middleton. To R. H. Miller, of Lumsden, two fillies, Sturdy Rose and Trolane Nell. The first-mentioned was sired by the great breeding horse, Prince Sturdy, and is out of a Baron's Pride mare. She won two first prizes in Scotland, and was an easy winner in her class at Regina. We do not hesitate in saying that this filly is one of the best animals that ever passed through our hands, and, should she do well in Mr. Millar's hands; we predict for her a great show-yard career."

[Craigie Mains is one of the best places to go to get good Clydesdales.—Ed.]



mean nothing—the buyer can never spect every roll. Then we wrap it enforce them.

Surety Co. and paid them a large cash premium to issue a Surety Bond with every roll of Congo Roofing.

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the guarantee he could not devise of Congo Roofing free.

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The man that buys Congo gets These bonds give our customers the most value for his money and

We will send you a copy of that If the customer's own lawyer drew guarantee on request—also a sample

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Successor to Buchanan Foster Co.

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E G. PRIOR CO., LTD., Victoria

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Where the soil is particularly adapted to growing Where there is an abundance of Rainfall, sufficient for the production of the finest FRUIT, vegetables,

Where the shipping facilities are of the BEST. Where the climate makes life worth livin Where you can invest your money NOW, and en-

joy a comfortable home in your old age.

Where the waters of Shuswap Lake are an inexhaustible source of pleasure, and a valuable means of communication.

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If I did not have the ability and facilities for promptly disposing of your property at a good price, I could not afford to spend \$25,000 a year in advertising that I can do so. 4 My office is a veritable clearing house for real estate and properties of all kinds and my whole energies are centered on finding people who want cash for their real estate or real estate for their cash. And I Do Find Them. My advertising each month brings me hundreds of enquiries from people who want to buy and sell. In the average business day I sell more properties than many real estate brokers sell in six months. But before I can sell properties I must list them. I want to list yours and Sell It. If you want to sell any kind of real estate in any part of North America, send me a brief description, including your lowest cash price. If you want to buy, tell me your require-

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Combines the potent he the Norway pine tree wit bent, expectorant and soot of recognized worth, and harmless, prompt and safe COUGHS, COLDS, BR

May 12, 1909

HOARSENESS, CR THROAT, PAIN o NESS in the C

and all throat and lung t put up in a yellow wrappe the trade mark and the p

A HARD DRY

Mr. J. L. Purdy, N writes:-"I have been to hard, dry cough for a long ly at night, but after h Wood's Norway Pine Sy weeks, I find my cough he any person, suffering as I that this remedy is well w would not be without it i

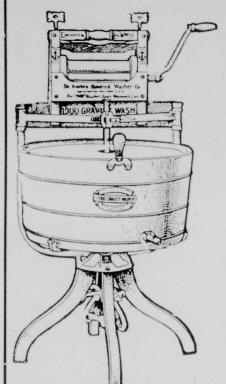


The first remedy to cure Lump Jaw was Fleming's Lump J and it remains today the senent, with years of succe anown to be a cure and are. Don't experiment were initiations. Use it, no me and the case or what else ried—your money back if Flaw Cureever fails. Our fair together with exhaustive in Lump Jaw and its treatment. Fleming's Vest-P Veterinary Adv FLEMING BROS., C

> ARTIFICL MARE IMPREGI

\$3.50 to \$6.00. Safety I

CRITTENDEN & CO., Dept. 35 Cle



Let this Machine do your Washing Free

See the "S" shaped swing links beneath

These links do nearly all the hard work when once you start them going. And this washing machine works as easy as a bicycle wheel does.

There are slats on the inside bottom of the

These slats act as paddles, to swing the ater in the same direction you revolve the

You throw the soiled clothes into the tub first. Then you throw enough hot, soapy water over the clothes to float them. Next you put the heavy wooden cover on top of the clothes to anchor them.

This cover has slats on its lower side to grip the clothes and hold them from turning around when the tub turns.

Now we are all ready for quick and easy washing.

You grasp the upright handle on the side of the tub, and with it you revolve the tub one-third way round.

The machine must have a little help from you at every swing, but the motor links do practically all the hard work.

You can sit in a rocking-chair and do all that the washer requires of you, A child can run it easily full of clothes.

When you revolve the tub the links cause it to move up and down as it swings—the clothes don't move.

through the clothes.

The paddles on the tub bottom drive the soapy water through and through the clothes at every swing of the tub. Back and forth, in and out of every fold, and through every mesh in the cloth, the hot, soapy water runs like a torrent. This is how it carries away all the dirt from the clothes, in from six to ten minutes by the clock.

It drives the dirt out through the meshes of the fabrics without any rubbing—without the fabrics without any rubbing—without the fabrics without the washboard.

the fabrics without any rubbing—without any wear and tear from the washboard.

It will wash the finest lace fabric without breaking a thread or a button, and it will wash a heavy, dirty carpet with equal ease and rapidity. Fifteen to twenty garments, or five large bed sheets, can be washed at one time with this "1900 Gravity" Washer.

A child can do this in six to ten minutes better than any able washer-woman could do the same clothes in twice the time, with three times the wear and tear from the washboard.

This is what we say; now how do we

This is what we say; now, how do we prove it?

We send any reliable person our "1900 Gravity" Washer, free of charge, on a full month's trial, and we even pay the freight out of our own pockets. No cash deposit is asked, no notes, no security.

You may use the washer four weeks at our expense. If you find it won't wash as many clothes in four hours as you will wash by hand in eight hours you send it back to the railway station—that's all.

But if, from a month's actual use, you are convinced it saves half the time in washing, does the work better, and does it twice as easily as it could be done by hand, you keep the machine.

Then you mail us 50 cents a week till it is paid for.

member that 50 cents is part of what the machine saves you every week on your own or on a wash-woman's labor. We in-tend that the "1900 Gravity" Washer will pay for itself, and thus cost you nothing.

You don't risk a cent from first to last, and you don't buy it until you have had a full month's trial.

Could we afford to pay freight on the of these machines every month if we did not positively know they would do all we claim for them? Can you afford to be without a machine that will do your washing in half the time, with half the wear and tear of the washboard, when you can have that machine for a month's free trial, and let it pay for itself? This offer may be withdrawn at any time it overcrowds our factory.

Write to-day, while the offer is still oper and while you think of it. The postage stamp is all you risk. Address me personally on this offer, viz.: A. W. Bach, Manage "1990" Washer Company, 357 Yonge street Toronto, Ont. Winnipeg Branch: C. W. Tanney, 459 nerbrooke St.

DEPTH OF SEEDING

What depth should I sow seed wheat on moderate light land?

PAYING FOR HORSES

I bought three horses for \$600. I paid down \$100 cash, then \$100 more 2. Prepare the geldings for physic as a six months. I had the horses three described above. Give each of them a The seller has a note from me of \$400. of water. Mange is infectious,

Ans.-In buying the horses there was a promise made in all good faith that they would be paid for. When a when a man buys a horse he takes the away risk of it living. Also a buyer is supposed to know whether the horse he buys is sound, and in good health or not. Under those circumstances you are legally liable for the amount of the value of the horses.

But the seller, in selling the horses,

eason why he should not pay the note average horse. is he agreed to.

Should the court decide that the buyer must pay something, he will also say how the money is to be raised either in installments or all upon a

LYMPHANGITIS—SCALY LEGS

this spring. Could you tell me what sand? to feed to prevent such diseases?

2. I have two geldings five and Ans.—Concrete made of proportions 1 seven years old. Hind legs swell bepart cement, 2 parts sand, will make a tween the joints, then the skin got scaly, No. 1 fireplace, if the sand to be used is and hair and skin came off. As soon properly selected. An additional as I noticed it I washed the affected amount of cement will not improve. parts with a solution of sheep dip. It The amount of material, as suggested in does not seem to take effect. The your letter, is more than is required to horses have been fed oat straw, oat build this chimney. Four inches thick

ou refer to is a certain condition of the purposes no better chimney can

Questions & Answers

allowance of feed, increasing the amount as the purges ceases. Half ounce doses of nitrate of potash should be given in his drinking water three times a day for a few days. The leg should be well bathed with warm water until the inflamation subsides. The patient should be kept in a comfortable loose Ans.—See special article on "Hints box until able to take outdoor exercise, from growers of prize wheat" in the It matters not what kind of feed is March 31st number. About one and used; any will, if fed to excess, produce one-half inches should be right in most the disease. If horses are idle feed more bran mashes and less grain, and just hay enough that can be consumed in one hour, at each meal.

weeks when one died. At the end of ball of barbadoes aloes. Wash tthe nine months another died, then in solution of creolin and soft water. welve months the third one died. A tablespoonful of creolin to each quart Can he take other horses from me, or horses may take it from infected stables, get a lien against my crop? What is Stables where horses affected with get a lien against my crop? What is mange have been kept should be thoroughly disinfected before being occupied by other horses.

NERVOUS MARE

Mare goes all right in the buggy, but man sells a horse he sells it on its face when hitched to the cutter becomes value. He cannot guarantee that it frightened at the snow flying off her fore will live a minute after it is sold, and feet; gets clean rattled and tries to run

Ans.—It is highly probable you will same next winter, all that you can do is to drive her with a bit by which you took the risk of being able to get his can control her, and by being careful The buyer is not disposed to pay the note, and the seller may bring suit to note. If the matter goes to court note, and the seller may bring suit to horses. There is no special treatment recover. If the matter goes to court all the circumstances of the case will be considered, and the buyer will be considered, and the buyer will be trouble is simply nervousness. If, during sleighing, she is driven every day by a good horseman, she will soon become as indifferent to snow as the

CEMENT FIREPLACE

I purpose to build (of one-third ceertain date. In any case, the buyer ment, two-thirds sand) log fireplace, must be allowed to keep crop enough three feet wide, two feet deep, inside; for his family, and for seed, a certain base, one foot thick, tapering to six number of horses, and some implements inches, at five feet high, carrying it up through the roof at the six inches. the cement stand fire? Could it be What is the cause of farcy in horses; What size should the vent be inside? What extent is it contagious? I Would it do built with an arch front, we love a well-where from farce. have lost a valuable mare from farcy no other support but the cement and

sheaves and oats and bran, also a little would be sufficient to make the conhay. Could you tell me the cause of crete at any part. There now are this? Previous to my coming here, many reinforced concrete chimneys for one year ago, horses with mange were factory purposes from 250 to 350 feet kept here. Would my horses take the high. Those chimneys on the upper disease now? Of course, they are reinforced with iron. When with concrete chimneys you can withstand the heat of iron the cutaneous or skin form of furnaces and smelting works, it is needlanders. But we presume the disease less to say that for dwelling house animal in which the legs swell, and, is erected, and that any fire which would generally referred to by big owners of be used in a dwelling-house would not horses, as water farcy. The disease is have any effect upon the chimney due to one or more of several causes. For a two-storey house, the inside of Indigestion is a cause. Heart disease, chimney should be 8 x 12 inches. The kidney diseases, and inflamation of fireplace would be built with an arch the lymphaties, brought about by exintered would be sired width, and would cessive feeding on highly nutritions healt given with the sext research but cessive feeding on highly nutritious be all right without any support but food, and lack of exercise, are prolific the cement, but the usual method is to causes, especially the latter. The rem- lav in two iron rods, three-fourths inch edv is, if caused by over feeding to in thickness across the top of the feed bran mashes only, for a day, arch, having rods bent at the ends then give a physic ball composed of The rods are laid in the cement about 1 harbadoes, alone from eight to tay inch from the curface, and sufficient gredients, roll in soft paper and give prevent the chimney from cracking in the ordinary way. Feed bran should it become overheated.



Horsemen

We can supply you with up-to-date route cards, circulars, posters, receipt books, etc. Write for samples.

the horse commences give half his usual increasing the amount es. Half ounce doses sh should be given in r three times a day The leg should be warm water until the des. The patient a comfortable loose ake outdoor exercise. hat kind of feed is ed to excess, produce norses are idle feed and less grain, and

geldings for physic as Give each of them a s aloes. Wash tthe in and soft water. creolin to each quart is infectious, from infected stables. orses affected with kept should be thorbefore being occupied

hat can be consumed

ht in the buggy, but the cutter low flying off her fore tled and tries to run

JS MARE

ly probable you will couble with her this t probable you will If she acts the all that you can do is a bit by which you nd by being careful ll probably become ie snow like other 10 special treatment e successful, as the nervousness. If, in, she will soon be

FIREPLACE

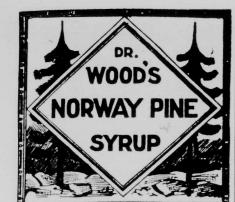
ild (of one-third ceo feet deep, inside; ck, tapering to six high, carrying it up the six inches. Will fire? Could it be ling more cement? the vent be inside? with an arch front, out the cement and

G. B.

nade of proportions 1 ts sand, will make a ne sand to be used is An additional will not improve. erial, as suggested in than is required to

Four inches thick

to make the con-There now are ncrete chimneys for om 250 to 350 feet neys on the upper three inches thick. ire reinforced with I the heat of iron ng works, it is needfor dwelling house r chimney can be ny fire which would ng-house would not louse, the inside of 8 x 12 inches. The built with an arch ed width, and would



May 12, 1909

Combines the potent healing virtues of the Norway pine tree with other absorbent, expectorant and soothing medicines of recognized worth, and is absolutely harmless, prompt and safe for the cure of

COUGHS, COLDS, BRONCHITIS, HOARSENESS, CROUP, SORE THROAT, PAIN or TIGHT-NESS in the CHEST,

and all throat and lung troubles. It is put up in a yellow wrapper, 3 pine trees the trade mark and the price 25 cents.

A HARD DRY COUGH.

Mr. J. L. Purdy, Millvade, N.S., writes:-"I have been troubled with a hard, dry cough for a long time, especially at night, but after having used Dr. Wood's Norway Pine Syrup, for a few weeks, I find my cough has left me. To any person, suffering as I did, I can cay that this remedy is well worth a trial. I would not be without it in the house."







Ans.—Fowls probably died from one stallion, \$3.50 to \$6.00. Safety Impregnating Outliffor barren and irregular breeders, \$7.50. Serving Hobbles, Stallion Bridles, Shields, Supports, Service Books, etc. Psepald and desenteed. Stallion Goods Catalog FREE. CRITTENDEN & CO., Dept. 35 Cleveland, Onio, U.S.A. was made, the symptoms point to

APOPLEXY IN HENS

I had a beautiful, healthy pullet about seven months old that had been laying for the last two months. One day I came in and she was lying in the nest. In about two hours I came to see again, and she was nearly dead; her comb had turned black as coal, and she was simply useless. a few minutes she died. What caused her death, and is the sick-ness

Ans.—Death in this case seems t have been due to apoplexy, probably brought about by overstraining in laying, or trying to lay an egg. There is really no treatment in such which are sometimes due to overfeeding or to injury. Exercise. green food, and varied rations—fed in udicious quantity—are recommended as preventive measures.

TAPEWORMS IN POULTRY

Have a rooster which has been mopng all winter. On killing him, we found worms on the outside of the intestines, and holes eaten in the crop. The worms were white, and about four inches long, pointed at both ends. Could you tell me what they

Ans.—The worms which caused the nopish condition of the bird before it was killed, and which would doubtess have proved fatal, were most likely a species of tapeworm. There are several kinds of tapeworms which infest the intestines of fowls, and all, if allowed to accumulate, will eventually cause death. There is a round worm, varying in size from one-third inch to five inches in length. These worms are more common than tapeworms, but, except when massed in great numbers in the intestines, are not as fatal as the others. If worms are suspected, the diet should be limited to grain, which should be soaked in turpentine and fed to the fowls. Follow by giving two teaspoonfuls of castor oil to each bird. Or, dissolve in the warm water which is to be used in mixing the mash, two grains of santonine for each bird to be treated. Mix a small quantity of dry mash and add half a teaspoonful for each bird. Feed to the birds and note results. The droppings of the birds should be carefully collected every day and burned. Dr. Sanborn, whose treatment is the foregoing, also recommends for suspected tapeworm, six drops of oil

the malefern, give each bird a table spoonful of castor oil. SOW FAILING TO BREED

malefern in one teaspoonful of castor

oil. Give to each bird in the morn-

ing, while crop and gizzard are empty. Two to three hours after

I bought a pure-bred and registesed ow in December, and have bred her wice, but she fails to conceive. Would it be wise to try her again, or could you give me any advice as to how to get her started to breed?

Ans.-It is not unusual for a sow to fail to conceive to the first two atings and to breed to later It would be well to give her full dose of Epsom salts to move the bowels, and then feed her laxative food, as bran and roots, and let her run out on the early grass to cool her blood, and breed her twice during a period of heat, the last time when the period is nearly ended.

LIVER COMPLAINT

Two young hens died, one early in winter and one the other day. Noticed them moping for about a week before they died. On opening, found liver spotted, and so enlarged as to almost fill abdominal cavity. Feed nixed grains, and warm mash every

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Now offered to the progressive farmers of the Great Northwest, at lower prices than ever before. We sell annually to customers located at 19,000 postoffices in the States, and have been selling direct for nearly one quarter of a century, distributing direct from factory to farm more than double the quantity of any other concern in the world.

YOUR NOTE LOOKS GOOD TO US.

To protect credit buyers from exorbitant prices, charged by discriminating retailers, will accept notes from responsible parties, payable November 1st, at only 4 per cent ded to our low cash price, which we quote for this season, F.O.B. Winnipeg as follows:—

Standard, 500 ft. "Cricket Proof"

Standard Manila, 550 ft. "Cricket Proof"

Standard Manila, 550 ft. "Cricket Proof"

Standard Manila, 550 ft. "Cricket Proof"

Let us book your order NOW subject to cancellation or additions according to crop conditions. We were the originators of the liberal crop damage proposition. Remember, we want your business, and will treat you right. Cash or no te.

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Transportation—Four boats daily to Kaslo and Nelson.

Orchards-Young or in Bearing. Land-Cleared or uncleared, in large or small

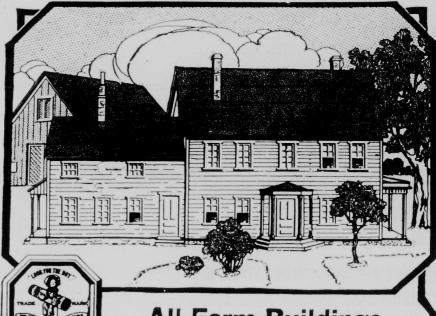
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Raw Lands on Kootenay Lake, subdivided, with lake frontage, on actually existing roads, with good transportation, at \$10.00 Come, See and Be Satisfied.

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should be roofed with REX—the all-round roof. It keeps the house warm in winter and cool in summer; it protects poultry from damp and extremes of temperatures; it guards stock and produce from wet; it defends buildings against the communication of fire by falling sparks and firebrands.

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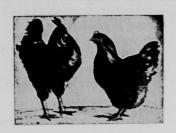
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onally selected from the leading Scotch herds They are of such noted families as Broad-Butterfly, Claret, Clara, Roan Lady and Jilt. I also have for sale four bull calves from Imp. d dam, and a number of good young cows and heifers. Catalogue being prepared. Write Prices as well as quality will please you. Farm, a mile from Burlington Junction station, fed in judicious quantity.

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hogs from prize winning stock. Ready to shi any time in May. Registered for \$7.00 each Crated F. O. B. Napinka. This offer holds goo till June 1st. We also have Shorthorns for sale

A. D. McDONALD Bunnyside Farm, Napinka, Man.

Bargains in Registered Yorkshire Swine

Mail us \$7.00 and we will ship you a pig and pedigree. They are bred from prize-winning stock and we are going to have a lot of them. First lot weaned and ready to ship, lst week in April. Don't miss it. Can ship C. P. R. or G. T.P. direct.

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I am offering for sale 20 cows and heifers and a few

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Spring Pigs, both sexes, for sale. Few young sows ready for breeding. membrane lining, the nasal chambers



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We have anything you wish in Jerseys, male

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Representitive of the best blood in the Stud Book. Stud headed by Kelston, 1st Prize and Sweepstake Stallion at Winnipeg, 1905. Stallion for sale at reasonable price, correspondence solicited.

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Stockmen! method is easy. Write us for rate card,

congestion of the liver. matter much what particular form of liver complaint caused death, for all are more or less fatal. When the symptoms of liver disease are noticed, it is generally too late to hope for a cure. Liver trouble is a common disease of birds—particularly of the heavy breeds—and it is usually brought on by overfeeding of unbalanced rations; too close confinement or insufficient exercise. As a rule the necessity of feeding varied ra tions is not half understood by poul try-keepers. It is far easier to pr vent liver complaint, roup, etc., that it is to cure them. At this time of the year the best treatment to give

WIDTH OF A PLOT

I want to sow a ten-acre plot of To Reduce My Herd of wide will it have to be to make ten

Ans.—410 feet 11 inches.

NASAL GLEET

I have a mare ten years old; about nine months ago she took some trouble either in the head or throat and would discharge a white su stance from the nose, but does do it all the time. She is not bad as she was last summer, nor do Barred Ply-the first and ncial Poultry does not seem to bother her, by when driving on the road she wil wheeze, you would almost think sh had the roars; but, on stopping, she immediately stops wheezing. you suggest any remedy?

Ans.—Your mare is suffering from

nasal gleet, which is a sub-acute or chronic inflammation of the mucous Also one good boar two years old.

Barker Bros, Okotoks, Alta.

Barker Bros, Okotoks, Alta.

Membrane Hing, the hasar chambers and the sinuses or cavities of the head, and in which there is probably a collection of pus. It is usually the result of neglected simple cold exposure, such as running out straw stack all winter. Any jury over the face, if sufficient fracture the bone or injure the blo vessels, may produce it. It may the result of a carious tooth or a foreign body or growth in the nas chambers. Treatment: Feed the a nal well (feed off the ground). I jections of alum, 2 drams, to a pir warm water, into the nostrils tw three times a day. If it is the r ult of a diseased tooth, the tooth hould be extracted. If the sinuse the head are affected, the on treatment is to trephine to open the ip, which can only be done by a ski ed veterinarian. On account of the wheezing noise you speak of we wou effected, or that it was the result of a growth in the nasal chambers, which would interfere with respirations during exertion, for which sur

MARKET OUTLOOK FOR OATS

Fumigate As You Plough

The time to kill Moths, Slugs, Ants, Flies, Beetles, Lice, Midges, Caterpillars and other destructive insects—is, before they get on the Trees and Vines. Kill them in the ground. Fumigate the soil with

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THE LAWRENCE-W

May 12, 1909

Horse O

Doune Loc Colts and by Perpetu Baron of kept for s Good pastur

Absol For Sh

1/2 of the wo the world are obtained from 'Cooper's Dip Edward's fam Southdowns. It is importe the Argentine i the sheep-own absolute necess Cooper's Dip recognized by Government. By royal de Spain, growing dip his sheep in At the Royal
the breeds of
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Last year, enough of Cooper's Dip was used to dip 250,000,000 sheep.

Mention this paper and tell us how many sheep you have, and we will send copy of our book "Sheep Scale and How To Cure It, "free of charge.

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WM. COOPER & NEPHEWS TORONTO.

When answering advertisements mention the Farmer's Advocate.

Consumpti Book



of wheat. The present year is an example of this. The world had gone short on wheat, but of oats we had country the oat harvest might have been taken as a likely indication of lower values, but high-priced wheat has held oats up to a fairly good level of value thus far.

Speculation as to what crops, the seed of which is still in the bins, will sell for next fall, is rather idle. one conversant with the world's situ tion, it looks as if the high prices that have prevailed for wheat during the past year must be continued The world is short in wheat, and there are no indications up to the present to indicate that the crop 1909 will bring the reserves up to strength and supply demands from every quarter. As a matter of fact grave doubts are beginning to be entertained by those desirous of lowerpriced wheat, that the crop of the priced wheat, that the crop of the present year, unless it is a bumper one, and the backward seed-time all over this continent pretty well precludes that, there is likely to be as wild a scramble for the world's first food product during the season of 1909-10 as anything seen during the We see no reason wh heat should not maintain a high-price level during the coming cereal yea If you note the option quotations our market column, you will see that wheat for next fall delivery is aleady selling over the dollar mark. While there may be a slump in prices. it is hardly likely to happen. We can see no reason why oats should not be a good price next fall. There is as much indication for strength in them s in wheat. At present, October de livery is quoted in Winnipeg at 38c. and in Chicago at 411c.

PUMP FOR WELL

Which is the most satisfactory pump for a well sixty feet deep, a single-action or double-action pump?

Ans.—A straight-lift iron pump, single cylinder will be the most satisfactory.

H. CATER, Brandon Pump Works.

SPRINGHALT

Have a gelding eleven years old. While standing in the stable, he lifts his left hind foot from the floor, and holds it up for several minutes at a time. He does this so much that is foot must be off the floor nearly half the time. When he puts it down, he stands up on it as though it were all right. He does not limp or show any lameness in walking. He does not flinch when the leg is felt or compressed with the hands. I can not He has been doing this ever since I first noticed the habit, I thought that probably the hoof needed trimming, as it seemed to be rather over grown. I, therefore, had the black-smith trim all four of his hoofs. When trimming the affected foot, emed to be sound and of good color I hink the horse has worms

Ans.—Cases such as you have described are occasionally met with in practice, where a horse has received an injury to one leg, and, as a consequence, has been allowed to stand on

Golden West Stock Farm

We are offering at present a big selection of home-bred and imported Clydesdale Stallions at very tempting prices, com-prising some big drafty Stallions of different ages from prize vinning stock, among them sons and grandsons of the famous "Baron's Pride." Intending purchasers will be driven out to the farm free of charge by J. Materi, Balgonie.

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RAM AND EWE LAMBS for sale bred from imported rams and ewes. Three Championships and six firsts

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Before buying a stallion see our exhibit of imported SUFFOCKS stallions at the forthcoming Calgary Spring Horse Show. Largest and best ever seen in the Dominion of Canada. Prices right. Twelve to choose from. Some imported SUFFOLK mares and half-breds will also be exhibited.

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We have a few good Bulls and Heifers sired by the

CHAMPION BULL

PRINCE OF BENTON

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First Prize Yearling Bull at 1907 International Show, Chicago. As a two-year-old this Bull was only beaten once

ROBT. BROWN,

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DISPERSION SALE THE



of the Forest Home Shorthorns and Clydesdales will be held at the Farm, June 2nd.

The Farm, one of the best in the province, containing 560 acres, is for sale on easy terms.

For fuller particulars see future issue. For sale catalogue write.

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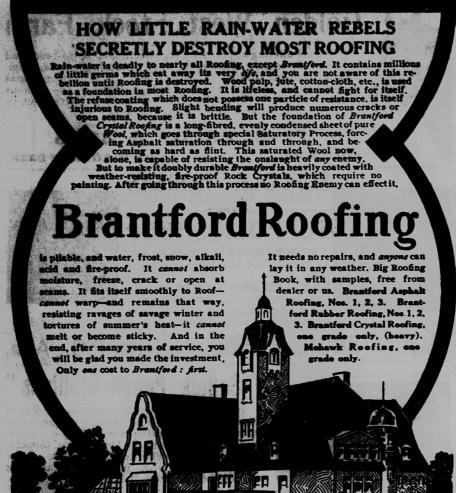


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MEN, BE STRONG

Take This Belt for What it is Worth. Wear it Until You Are Cured - Then Pay Me My Price.



Every man should understand that physical power, large muscles, strength and endurance come from animal electricity. My treatment will pump every part of the body full of that, and perfection will result.

It not only restores vigor and increases nerve power, but it cures Rheumatism, Pains in the Back and Kidneys, Indigestion and Constipation, and all troubles which result from weakness of any vital organ.

I have learned to put a lot of confidence in men, especially men who are weak, sickly and delicate, who have tried everything to restore their vitality and failed, who have lost faith in themselves and humanity in general, because they have been led to try so many remedies which were no more use than as much water. These are the men I want to wear my Belt, and I will wait for my pay until they are cured. All I ask is that they give me reasonable security while the Belt is in their possession and use. If it don't cure you it costs you nothing. Is there anything more fair?

GET SOME LIFE INTO YOU

Where there is any physical constitution to work on, my treatment will develop perfect manhood. It will take the slightest spark of manly vigor and fan it into a flame which will encompass the whole structure and charge every nerve and muscle in the body with the vigor of youth.

the vigor of youth.

Dr. McLaughlin:—

Dear Sir.—My indigestion has quite disappeared and my kidneys are free from pain.

I no longer feel any weakness in my spine and my appetite has returned, so that I can enjoy as good a meal as any man my size. I have gained five pounds in weight, I am also free from diarrhoea, which was severe during the summer months. I am most thankful to say that the Belt has about cured me of other weaknesses. I believe your Electric Belt is a commission of the summer months.

Yours truly,
A. P. HICKLING, St. James, Man.

Wherever you are, I think I can give you the name of a man in your town that I have cured. Just send me your address and let me try. This is my twenty-fourth year in the business of pumping new vim into worn-out humanity, and I've got cures in nearly every town on the map. All I ask is that you secure me and pay me only when your cure is complete.

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the opposite limb for a long time, unagencies established at country til the nutrition of the sound foot points throughout Manitoba, but if and leg have become seriously interthere is no such agency convenient, and leg have become seriously interfered with. When a horse has been injured to the extent that all his weight has to be borne on one leg, especially if it be a hind leg; he should be placed in a comfortable sling, or bad results may follow, such as laminitis and often drop sole. The inflammation produced in the foot amount of the costs would be, but if and leg is liable to extend to all the the property in question has a Torstructures, including the nerves. This rens title it should not cost more is likely to have occurred in your than \$20.00 or \$25.00. All morthorse, and accounts for the continual gages should be registered against the horse, and accounts for the continual gages should be registered against the elevation of the foot. Inflammation land which they cover. If the of the nerve sheaths have produced a property is under the Torrens sysform of stringhalt, for which we cannot suggest any treatment beyond the Land Titles Office. If the land is regular monthly attention to the under the old system, the title deeds hoof. Give him a ball composed of are either registered in the Land Barbadoes aloes 8 drams; calonal 1 Titles Office or the mortgages recommends. Barbadoes aloes, 8 drams; calomel, 1 Titles Office, or the mortgagee redram; powdered ginger, 1 dram; soft tains possession of them until the soap, sufficient to combine. Roll in mortgage is paid off. mashes only for one day (no hay or grain). Continue to feed bran mashes only until the physic commences to operate, then give half his usual allowance of hay and oats, increasing the amount as purgation ceases. Cover the wood with sheet iron. This is a very bad habit or vice for a soft paper and give after feeding bran

About three weeks ago one of my horses began to scour, and now the others are affected with the same trouble. Law testion impossible to satisfactorily answer the question without knowing the exact circumstances of the case. trouble. I am feeding good timothy

or damp stables, or diseased condi-tions of the teeth. It is sometimes one of the complications of influenza. In all cases look to the feed and cases look to the feed and TRADE fault they should at once be discontinued and a change made to some = easily-digested foods. Horses should always be watered before feeding and THE SUIT-CASE THAT TRAVELLED only a few swallows allowed after, to wash out their mouths. If it is the result of some irritation to the result of some irritation to the bowels, it is best got rid of by a drench of raw linseed oil, from a pint to a pint and a half, according to the size and condition of the animal. If purgation still continues, give wheat flour in the drinking water, or 2 drams of powdered opium three times a day till it ceases. Clothe the animals well, and keep in a warm but well ventilated stable. If they are those peculiar nervous horses called "washy," they should always be watered before feeding, and, if possible, allow an hour to elapse after "San Francisco, bound for Japan." meals before putting them to work.

MORTGAGES-NOTES

village. How is this done? Can globe on its mysterious mission. necessary printed forms be purchased, . But what was its mission? What or must it necessarily be done by were the contents of this case? a solicitor? Please state usual pro-Well, the case contained Genasco ceedings with probable cost, etc. Is Ready Roofing, on an expedition to it necessary to register it, and should sample the nations of the earth. This amount be endorsed on title deeds?

This is a very bad habit or vice for a out registration. So much depends, horse to acquire and should be pre-horseto acquire and should be pre-vented. however, on the way in which the agreement is drawn, and the question of the land being under the Torrens' system or the old system that it is

C is entitled to a house worth hay and oats chopped, about four \$1,500, or to an equity of \$1,500 in a quarts. They are working most of the time, and are the same when not at work.

Ans.—Diarrhea is due to indiges—remedy by way of execution and judg—time at the invitation of the horsels ment summons or other proceedings. tion or to irritation of the bowels ment summons or other proceedings from eating moldy or musty food, im-pure water or watering inmediately Manitoba Statutes. A promisory after feeding, exposure to cold, low note in Manitoba is good for six years

'ROUND THE WORLD

well ventilated stable. If they are interesting to trace through its those peculiar nervous horses called labels the progress of its journey "washy," they should always be from city to city and country to

After a world-tour, embracing year-and-a-half, this famous suit-case now sets its face towards home and 1. I wish to obtain a mortgage on embarks for New York on the steammy house and lot in an incorporated ship Caronia, thus encircling the

illustrates the great field that its makers have dared to anticipate for 2. A signs agreement, giving right- this wonderful roofing made of Triniof-way across his land to B forever. dad Lake Asphalt. And the field is If A sells his land, does agreement big because Genasco is adapted to bind purchaser to give B right-of-way, roofs in every part of the world. It and, also, if B sells is A, or puris not affected by extremes of temper-chasers of A's land, bound to give right-of-way to purchaser of B's land? Would this be legally binding without being registered, and would this have Barber Asphalt Paving Company, to be retained on title deeds? Philadelphia, whose more than a quarter century's experience with Trinidad 3. C gives promisory note, but cannot meet it, and has nothing besides house and lot in incorporated eight guarantee that the reasons lasts sides house and lot in incorporated village. What can D do to protect himself? Is it necessary to renew note when due, or does it hold good until paid?

R. D. Manitoba.

Right Genase is made, is said the cient guarantee that the roofing lasts, yet this company strengthens it with a written guarantee, and throws the weight of its thirty-two-million-dollar organization against it.

A roofing that stands the test of Ans.-1. The proper procedure is world-wide weather conditions will to make an application for a loan to surely withstand any kind of weather some responsible loan company, we have at home, and prove a source Most of the larger companies have of economy and lasting satisfaction.