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Farine Journal

WESTERN CANADA'S AGRICULTURAL WEEKLY

REGISTERED IN ACCORDANCE WITH THE COPYRIGHT OF ACT OF 1875

Vol. XLVI

WINNIPEG, CANADA, APRIL 27, 1910

You may have my ex-

charge.

pert advice without

No. 918

For nothing I will tell you all about Cement

can

save you consider-

I charge nothing.

able money.

These pictures show you plainly how simple a matter it is to change a decrepit frame house into one of cement-stone.

YOU pay nothing for what I tell you.

And the reason I offer you my services for nothing is simply that the companies that employ me want the farming community awakened to the value that cement—of the right kind—has for every farmer. Even if they never sell you any cement, they want you and your neighbors to be informed on the uses of cement—and the ease and simplicity with which you can cheaply use it.

No High-Priced Labor Necessary

I can soon show you that it does not require an expensive mechanic to use cement-concrete instead of lumber for ANY purpose. I make the whole subject so plain and simple that you yourself could easily renovate your frame house, barn, hen house, wagon shed. I will tell you how to make a hundred farm utilities from cement quickly and cheaply—more cheaply than you could with lumber. And bear in mind the fact that you are charged anothing for this "Education in Cement Using." You will not be bothered to buy anything, either. There are no "strings" to this talk of mine—not one. Just write me and ask questions.

Cement Endures—Lumber Decays

That alone is the biggest reason why you should overcoat your house and barn with cement, as I will tell you precisely how to do. Cement is almost indestructible. Buildings exist in Great Britain and elsewhere that were built of cement by the Romans two thousand years ago. For cement rightly used—as I will show you how to use it—makes structures fireproof; wetproof; decayproof; warmer in winter; cooler in summer. And it is ECONOMICAL,—much more so than lumber, for ninety-nine uses out of a hundred.

For the asking, you are welcome to use my knowledge. You can inform yourself fully on the whole big question of the use of cement for practically every use you are putting lumber to now. I will instruct you fully, in plain language, in the use of cement for making anything from a fencepost to a dairy-barn. And I can show you how to save money by using cement for any building purpose instead of using wood. Simply tell me your name and address and mention what sort of a structure you think of building or repairing—whether a residence, a poultry house, or even a drinking-trough. You have nothing at all to pay for the advice and instruction I will promptly send you. Write to me before you buy another bill of lumber for any purpose. Be sure to.

ALFRED ROGERS
The Cement Man

Why not write me to-day? Accept my free services, make use of my knowledge to any extent; and you will not be under the least obligation or expense if you do. We want you to KNOW cement; and I will do all I can to help you KNOW it.

Fence Posts
Well Curbs
Feed Yards
Barn Floors
Cellar Walls
Root Cellars
Horse Blocks
Chimney Caps
Chicken Houses
Watering Troughs
Curbs and Gutters
Windmill Foundations
Storage Water Tanks

Verandas

Driveways

Read This List of a Mere Few of the Uses Cement has on the Farm

Then write to me for particulars of how to build these things from cement—doing the work yourself, if you like, in spare time. Don't wait to write because you are not just ready to make any improvement to your buildings. Talk it over with me if you only need a few fence posts or a watering-trough. Even on those small tiems I can save you considerable. Just write me to-day.

ALFRED ROGERS CEMENT MAN

307 Stair Building, Toronto



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On The **Flour** The **Bread Depends**



On The **Bread** The World **Depends**

alooming up in the future. The latest if they could snap a dog's backbone a pony, and you need only to put Remto prove to you that it is madness to scheme for ridding the White River in with a single crunch. It looks ington the writer and Remington the defer purchasing one of our unequalled cattle country of these four-legged as if it were up to the Indians, and artist together to make the greatest machines. marauders is to let the Indians do it is believed that they will enjoy the pony that ever galloped up and down it. And this appears to be the best outing with great pleasure, particu the pages of a book with a cowboy on chine came the following: notion yet.

would never find out, so now the plan is to invite the Utes up from the reservation in the southern part of

ber country are exceptionally large and curately. One admirer wrote of him: a novelty. them to have heavy, capacious jaws his ears to the frogs of his feet." Tough times for timber wolves are and long, keen teeth which look as other wrote: "He Knows every hair on machine manufacturers, and I intend larly since it means getting all the his back." When it comes to trapping or shoot- food they want while they are away Remington was known as an illus- able to work a machine. I will reing wolves and locating their dens from home, with the chance of bounty trator, a writer, a painter and a sculp-move that objection in fifteen minutes.

and painter Frederic Remington, who the open air. the State and their cousins from over died a few days ago as a result of an in Utah and turn them loose to start operation for appendicitis, used to say a wolf massacre in Rio Blanco and that when he died he wanted some paper man and political factor whose The idea originated with Charles knew the horse." Probably he long among county newspapers. His home T. Limburg, of Leadville, a promin- ago formed other views as to a suitent cattleman and banker. He has able synopsis of his career, yet it is and there his son was born on Octaken the matter up with the office as a painter of horses that most peo- tober 1, 1861. of the State Game and Fish Com- ple know and first think of him. He missioners, where the possibilities of first fixed his personality on the pubhis suggestion were recognized at once. lie mind by his representations of the most aggressive type. For twenty Various schemes have been devised horses, which even gave rise to a con- minutes the lady of the house had for getting rid of the big gray wolves siderable controversy as to whether been awaiting an opportunity to say scarcely qualified for a coffin," the big which slaughter so many yearling he used a camera or whether on the she already possessed one. steers in the White River country other hand he painted horses in im. At last he paused. Only long objection in ten seconds." every summer, and so many deer in possible postures. It remained for an enough, however, to thrust a card into improved camera to demonstrate that the lady's hand.

The wolves of the White River tim- Remington had seen correctly and acfierce. A head of one of them shows "He knows a horse from the prick of

LLEGGGGGGGGGGGGGGGGGGG

an Indian knows what a white man money thrown in.—Denver Republican, tor. He had been a clerk, a cowboy or in three lessons. Will call next and a football player. He was a hard Wednesday." In his earlier years as an illustrator worker, a good player and devoted to

Fred Remington was born in New remarked: York state. His father was a newswas at Canton, St. Lawrence county, man.

He was a sewing machine agent of purchasing one of our unequalled coffins

The bit of pasteboard was certainly

"My name is Sellem," it read, "of An- the firm of Blang and Co., sewing

After a long description

"You may plead that you are un-

When the agent called again, a six foot man opened the door and blandly

"You're the sewing machine man, I suppose?"

Yes; I called last week, and-"Yes, I know," interrupted the big an. "You don't know me, I suppose? My name's Bury, of Bury and Keepem, undertakers, and I intend to prove to you that it is madness to defer

The agent began to edge away. "You may plead that you are man went on. "I will remove that

But the agent simply tore from the

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it read, "of

Co., sewing

and I intend

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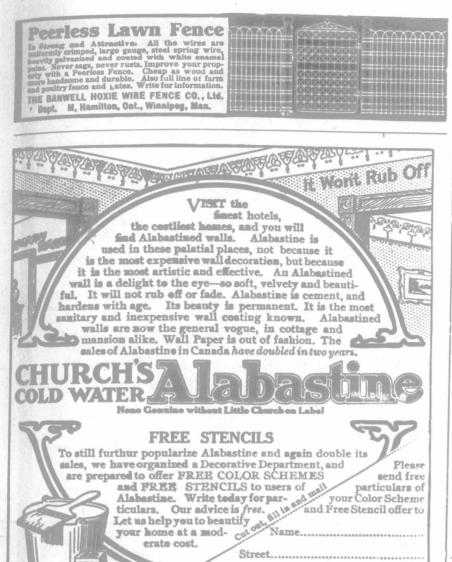
at you are offin," the big

remove that

tore from the

away.

April 27, 1910



Put "BT" Stanchions and Steel Stalls in Your New Stable



They will make your stable NEATER, BRIGHTER, MORE SANITARY and MUCH HANDIER TO WORK IN than any other construction you can use. No other tie is as comfortable for the cows as "BT" Swinging Stanchions. fortable for the cows as "BT" Swinging Stanchions. No other tie keeps them as well in place in their stalls or as clean, for they cannot move back and forward, but still are left perfectly free to get up or down and to card themselves.

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The "BT" Stanchion is made in five sizes and can be used with frame construction if desired.
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When figuring on that new house do not overlook the interior finish.

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MANITOBA GYPSUM CO., Limited WINNIPEG, MAN.

British Columbia NELSON Gapital of KOOTENAY

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Beautiful Scenery, Mild and Equable Climate, Excellent Boating, Fishing and Schools. Free sites, cheap electric posts. tric power and low taxation given by Nelson to manufacturers coming in. In Competition with the World Kootenay Fruit has obtained First Prizes

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WE make three styles of Brantford Roofing, because it is not reasonable to expect one style to meet all roofing requirements. So we ask you to send for samples. Choose the style you decide exactly meets the requirements of your particular job. Then you are sure of satisfaction.

Brantford Roofi

BRANTFORD ASPHALT Roofing has a silicia finish. It is our biggest seller.

Brantford RUBBER is a smooth surface roofing, but contains no "India Rubber."

Both ASPHALT and RUBBER are made in three thicknesses.

Brantford CRYSTAL is made in heavy weight only. It has a mineral surface of rock crystals. It requires no painting.

The pure wool felt, which is the foundation of these three styles, is made to our own specifications. It costs 33 1-3 per cent. more than ordinary felt.

The Asphalt we use for the saturation is 99 per cent. pure. So called "Trinidad" Asphalt is only about 45 per cent. pure.

We spare no expense in the making of Brantford Roofing. It is the highest grade roofing on the market to-day. If you want that kind of a roofing look for rolls bearing the trademark shown below.



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little pumping engine lifts from the shoulders of farmers' families, we would be

buried so deep under rush orders that we couldn't see daylight for months. Pumps 800 to 1,000 Gallons Per Hour Gives FIRE PROTECTION! Runs Light Machines!

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FARMER'S ADVOCATE

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Vol. XLVI.

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Winnipeg, Canada, April 27, 1910

No. 918

FARMER'S ADVOCATE AND

HOME JOURNAL

ESTABLISHED 1866

Canada's Foremost Agricultural Journal Published Every Wednesday

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EDITORIAL

Arbor Day

requires full force on the fields. However, in Alberta during the past season. pupils in the good work.

one of these is to see that nothing is left undone 25 cents for oats and 36 cents for barley that tends to make the school surroundings what they should be. Each trustee should set aside a few hours at least to see that somethe school grounds.

Harrow the Growing Crop

is sure to result. However, liberal precipita- some of the benefit of enhanced prices. and cold nights follow.

rows over the growing crop after it is well slump in prices offered. in case of a most abnormally dry season.

Frozen Wheat \$1.28

Superintendent G. H. Hutton reports results in the steer feeding experiment just concluded at the Lacombe Experimental Farm. One of the most interesting statements in the report is that frozen wheat, ground and fed to steers running in an open corral and marketed in the form of beef, had a value of Next week Manitoba has a holiday on which \$1.28½ per bushel. This frozen wheat cost those interested in public schools and other in- two-thirds of a cent a pound, and mixed with stitutions are instructed to lend their best some barley and oats and fed in conjunction efforts toward beautifying surroundings by a with timothy and prairie hay it sold at the judicious planting of trees, shrubs and flowers. price above noted, a price that is some ad-At this season of the year the farmer usually vance on what frozen wheat was selling for

it is easily possible in every locality to find an The results of this test show that winter old horse or two and suitable outfits with feeding in Alberta is a highly profitable line of which the boys and girls can do what hauling animal husbandry, just as other experimental of trees or other planting material necessary. farm feeding tests and private enterprise in Besides, there are few districts in which a man winter feeding have shown that the winter or two of rather mature years cannot be lo- fattening of cattle is an industry that is worthy cated who are willing to assist the teacher and of a good deal more attention than it receives. A profit per head of \$16.97 on steers that cost This is a work that calls for attention. Our an average of \$41.36 each is not to be dehave a somewhat repulsive appearance—at Alberta of which the Lacombe district is cenleast there is nothing about them that at- tral, who could sell their grain to better profit tracts the children of the neighborhood save in the form of beef than they are doing by sellpossibly a kind and enthusiastic teacher. ing it at the going prices, which in that section School trustees have great responsibilities, and are about 85 cents for number two northern,

Selling the Brood Sow

"need the money," but the situation in meat choice, except under extreme provocation. supply points to high prices—though perhaps Following a month's glorious spring weather not as high as at present—continuing for some came the expected storm. The middle of time. Instead, therefore, of including brood

When the price goes above that figure there ment in that particular district.

But the moisture problem needs attention, is a great temptation to dispose of every ani-Some predict a hot, dry summer. The effect mal that is marketable. No doubt many of the recent storm on the seeded area will be sold a few weeks ago and now regret having to leave a more or less compact surface with a done so. Sooner or later a break in hog crust on top. Spring rains have given the soil quotations will come and then again the ample moisture and the thoughtful farmer will tendency will be for those who have hogs left conserve that supply by running light har- to rush them to market, thus augmenting the

established to break this crust and replace It is safe to count on profitable figures. The it by a dust mulch that will serve as a blanket men who make biggest profits are those who to check undue evaporation. Land that has study conditions consistently and fit the hogs been well farmed will not suffer much except for market before allowing them to leave the farm. Others occasionally may make a big haul by going into hog raising spasmodically, but persistence, with a few hogs always on hand and a constant readiness to breed more sows when occasion warrants it, is more satis-

The Milking Shorthorn

Recent contributions to our columns reveal a lively interest in the milking Shorthorn or, as some are inclined to call her, the dualpurpose cow. While dairy breeds always will stand in high favor with those who undertake milk production on a large scale, a great proportion of the farmers of the Canadian West do not care to keep cows in such numbers as would warrant anyone in calling them dairymen. These men want only five to ten cows, from which they endeavor to raise as many calves, and in addition try to sell cream or butter and derive cash returns at a season of the year when other farm products are not ready for market. Whether such farmers should adopt a recognized dairy breed or try to improve the milking qualities of the Shorthorn is a question that the man whose interests rural schools in particular in too many cases spised. There are farmers in that part of breeds are always on hand. We also have records of individuals and herds of milking Shorthorns. Any man of ordinary intelligence can arrive at a solution of the problem as it relates to his particular conditions.

In any event the milch cows of the Western Canadian farm can stand improvement. Too many of them do not pay for their keep. No Hog receipts on live stock markets recently matter what breed you select be sure you thing worth while is done next Monday in the indicate that prevailing high prices have a make use of a sire that will give progeny line of planting trees, plants and flowers in tendency to induce farmers to dispose of al-superior to the foundation stock. When most their entire holdings. Perhaps some a start is made do not change your breed

Prizes at Fairs

Referring to the editorial on "Popular April brought rain, sleet, snow, wind and sows and young females of good promise in Features at Fairs" in our issue of February frost. With fifty per cent. of the seed in the the loads to market, these animals should be 16, Edwin Jacobs writes to say that he disground and much of the wheat above ground kept at home and bred judiciously to help fill agrees with Fair Manager's advice and also with perhaps many will consider that great damage the demand for hogs and incidentally derive our remarks concerning the same. He agrees that to pay special attention to something tion accompanying the drop in temperature Ten cent hogs look good—particularly fol- that is popular in a district is encouraging will have avoided crop injury unless hot days lowing a most unsatisfactory market condition. something that does not need any encourage-

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tention to the general-purpose horse and ask: the work only absolutely necessary work is done. Should fair boards encourage the production of animals, the breeding of which should not be school boards is the segregation of foreign element in some of these municipalities. They ment in some of these municipalities. supported? I consider the general-purpose would dominate the board, and in some places horse is the most useful horse in the Northwest they are badly advised, and would in the larger to-day and he will be for some years. Where area act as in the smaller, to the detriment of there is one tiller of the soil in a position to their children and annoyance and hurt of the keep heavy horses for farm work and a driving dren of these people attending the rural school team for the road there are 99 who are not. where they are in the minority make splendid kind of farm stock. The more varieties at a prevail. show the more there is to draw public attenout."

can be used in producing this class of horses? board, as they now do the rural. men to encourage the breeding of heavy horses

Manitoba all municipal schools could not be in bill, in the form adopted by parliament, cannot villages even were it desirable, and the advan- be objected to by race-horse lovers or honest folor light horses. Any man can afford to have tages Mr. Dougan gives in his summing up would lowers of the racing sport. Horse racing, or ficulty is that few have desirable mares and the difficulty of transportation is overcome— be one of the most acceptable of sports. Remany who have them think more of getting the one and real difficulty to its general enthusias- moving those evils in the fullest way, without many who have them think more of getting tic adoption, notwithstanding that the minister interfering with the sport itself, should be the teams at a fall fair, but surely the production and I have seen mail carriers travelling under we do not notice it so much in our smaller cities, of this class of animal should not be encouraged conditions such as no school children should be and not at all in towns and country communiby turning an undue proportion of the prize submitted to. There have been days since I ties, we having fewer of the "sinful rich" to money that way.

Municipal School Boards

EDITOR FARMER'S ADVOCATE:

With much interest I studied the letter submitted by J. J. Dougan, who represented British Columbia at our recent trustees' convention. Perhaps I am the more interested, as to myself and others was committed the task of defending the existing system of rural schools in the debate as scores of boards in the country were not and swathed in yards of veiling. Nor does an at convention.

disadvantage to Mr. Dougan, who is a most of the convention, which though only in its in- accounted and hitched to a proper vehicle. One able and agreeable speaker and writer. He fancy I am persuaded will be of incalculable lone cob in a gig can take the "shine" off a six furthermore has practical experience on both value to the trustees and to the system of edu-thousand dollar motor, and a carriage pair will value to the trustees and to the system of edu-thousand dollar motor, and a carriage pair will be of included by the system of edu-thousand dollar motor, and a carriage pair will be of included by the system of edu-thousand dollar motor, and a carriage pair will be of included by the system of edu-thousand dollar motor, and a carriage pair will be of included by the system of edu-thousand dollar motor, and a carriage pair will be of included by the system of edu-thousand dollar motor, and a carriage pair will be of included by the system of edu-thousand dollar motor, and a carriage pair will be of included by the system of edu-thousand dollar motor, and a carriage pair will be of included by the system of edu-thousand dollar motor, and a carriage pair will be of included by the system of edu-thousand dollar motor, and a carriage pair will be of included by the system of edu-thousand dollar motor. sides, yet his great argument is that used by my opponents at the convention—the inefficiency, cation in the province, by broadening the out- attract the attention of everyone on the street, particularly in equipment, of the rural school look of the trustees, by formulating reforms

This is often not the fault of the trustees, and and stimulating the interest of all concerned model, sixty-horse-power, six cylinder, six thought the several dozen of somebody's this year's model, sixty-horse-power, six cylinder, six thought the several dozen of somebody's this year's model, sixty-horse-power, six cylinder, six thought the several dozen of somebody's this year's model, sixty-horse-power, six cylinder, six thought the several dozen of somebody is the several dozen of somebody in the several dozen of somebody is the several dozen of somebody in the several dozen of somebody is the several dozen of somebody in the several dozen of somebody is the several dozen of somebody in the several dozen of somebody is the several dozen of somebody in the several dozen of somebody is the several dozen of somebody in the several dozen of somebody is the several dozen of somebody in the several dozen of somebody is the several dozen of somebody in the several dozen of somebody is the several dozen of somebody in the several dozen of somebody is the several dozen of somebody in the several dozen of somebody is the several dozen of somebody in the several dozen of somebody is the several dozen of somebody in the several dozen of somebody is the several dozen of somebody in the several dozen of somebody is the several dozen of somebody in the several dozen of somebody is the several dozen of somebody in the several dozen of somebody is the several dozen of somebody in the several dozen of somebody is the several dozen of somebody in the several dozen of s if they had the "enlarged powers" which Mr. Dougan tells us were given to the municipal boards, probably these things would not be. Here I contend is the unfairness in the comparison. By creating another system and giving it greater powers, greater results are produced.

Give us under the system now obtaining these larger powers and the opportunity and improve ment these would bring, and if improvement is not made, then condemn.

Mr. Dougan gives due recognition to the interest and devotion of trustees and people in Manitoba to their public schools. He is always kindly, and I am sure every trustee listened to him with pleasure. I can, however, say that we are a busy people. Our own affairs absorb much of our time, and the beautifying of our school grounds, not being a pressing necessity, is largely neglected There is also generally prevalent a feeling that having a board of trustees this board, so long as they do not loosen the purse strings too much, may be left to do everything,

"But," says Mr. Jacobs, "you draw at- and as this means putting their own hands to

English-speaking folk in the district. The chil-At a rural show I consider the prize list should pupils, but in some districts where they control be formed to encourage competition in every the situation their ultra-conservative ideas would

tion. Racing and side-shows should be kept gressive than rural? Our municipal councillors meets, and another is to put down the tipster often are, or have been trustees, are of the same evil. Both these features of modern horse racclass, but the trustees do have a real advantage ing require attention. A limit needs to be placed Our critic is right in most of what he says. in that they are better acquainted with the dis- on the time of a meet, for it was getting so that We agree that the general-purpose horse is a trict, can judge the amount of financial burden the race meets in some cities lasted nearly the very useful animal. But is there a definite their locality can carry, are better known in the entire season, and when the horde of tipsters. standard as to what constitutes a general- district, more available, and are generally ready touts and race-track following struck town to advance faster than the majority of the rate- and began to get in their work it was small wonpurpose horse, or as to what breed or breeds payers, who after all would rule the municipal der that a gambling craze struck the community,

The history of horse breeding in the past shows Rural schools will always be at some disad- busy wagering their "simoleons" on the ponies that enough of this type are produced despite vantage, as compared with town and village to the loss of their boarding housekeeper and efforts made by agricultural papers and horse- schools in the competition for teachers, but in employer, and to their own undoing. The Miller heavy horses to do the work and a pair of apply equally to consolidated schools. In fact, rather gambling on horse races, needs to be drivers for the road if he secures the proper type to argue for municipal is to argue for consolida- restricted in some way, for in these modern days of heavy females and breeds right. The dif- tion. This our people are ready for, as soon as a lot of evils have grown up around what should in a large acreage of wheat or oats than they of education has said this is no problem, and plan followed by horse race reformers. do of breeding those mares consistently to a that given a contract the driver of the school sire that will ensure an improvement. We do van will get there, as the mail carrier gets there. not object to offering prizes for general-purpose The mail carrier does not always get there the ing woman with what they term "a returning same day, and often not till hours after time, interest in good horses." It seems-although returned from convention when the vans could bother about-well, it seems that the "big not have got through in this district. Consolida- wigs," so called, are going back to the horse, and tion is in places a success under united rural they are going back because their wives or boards, proving that no change of board system daughters will it so. Woman, it is said, drives is required, and that the introduction of this or motors chiefly to display her choice of milliner's question is only an unnecessary complication. and costumer's creations, to display such nat-

trustees' convention seriously. The proceedings were poorly reported, and in some cases copely were poorly reported, and in some cases conclu- which objects can be attained by riding in the sions were misrepresented. This is regrettable, back seat of a tonneau, wrapped in a rubber coat represented, and this garbled press report gives auto, rolling down the avenue, attract as much As a working farmer I feel at considerable them wrong impressions regarding the usefulness attention as a well matched, well mannered, isadvantage to Mr. Dougan, who is a most of the convention, which though only in its in

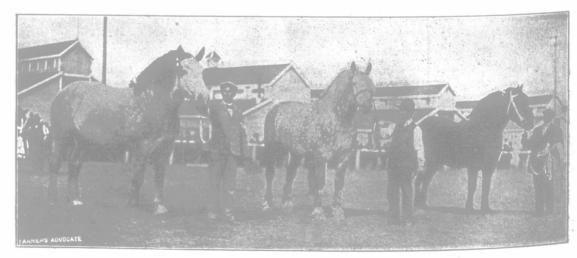
J. H. FARTHING.

HORSE

Observations on Horse Subjects

The Miller bill suffered something of a resurrection in the closing days of last week. We are assured in advices from Ottawa, that the measure as finally accepted by parliament is shorn of the rather radical features which were chiefly objectionable in the original bill, and that Mr. Miller's amendments to the criminal code will encourage rather than kill legitimate sports, of which horse racing certainly is one. One thing Why should municipal boards be more pro- the amended Miller bill does is to limit race and clerks and other small salary earners were

American writers on horse subjects are credit-The Winnipeg daily papers do not treat our ural charms as Providence may have endowed sand dollar motors might whirl by in a cloud of dust and burnt gasoline, unseen. Woman wants



THREE WINNERS IN THE FOUR-YEAR-OLD CLASS OF PERCHERONS AT CALGARY First, Garon, owned by Geo. Lane; second, Dentiste, owned by W. W. Hunter; third, Gracieux, owned by A. C. Rider.

ubjects

ng of a resurreek. We are hat the meanent is shorn a were chiefly and that Mr. nal code will ate sports, of One thing to limit race in the tipster ern horse racs to be placed etting so that ed nearly the e of tipsters. struck town as small wone community, earners were on the ponies isekeeper and The Miller ment, cannot or honest folse racing, or needs to be modern days I what should sports. Reway, without hould be the

ts are credit-"a returning ms-although smaller cities, try communinful rich" to at the "big he horse, and eir wives or s said, drives e of milliner's lay such natave endowed of an exhibit g up, none of riding in the a rubber coat Nor does an act as much ll mannered, rses, properly vehicle. One ine" off a six age pair will on the street, s this year's ler, six thouin a cloud o Voman wants



A. C. Rider.

one in which she can dress better in and make and the stallion laws of some states do not expensiveness in the turnout and as prices are sidebone is a disease, the tendency to which is running these days, automobiles are cheaper readily transmitted from sire or dam to progeny. than horses, consequently they want horses.

April 27, 1910

A farmer asked us the other day if we thought amined were affected with this disease. he ought to buy an automobile, and since we and knew that he was going to buy an auto anyspeak much against it. As a matter of fact, why shouldn't a farmer own an automobile if he wants one and can afford it ? If we were farming in this year of grace, 1910, we would have all the teresting facts brought to light by these exconveniences and luxuries of civilization which our financial condition and the kind of farming we were carrying on permitted us to obtain, and lot of people living in this country, who, because they are "only farmers" think that most of the good things of the world have been denied them. automobile-owning incomes these days than are being earned by a lot of the people driving motor "knocking" the horse industry any more than male) were found to have sidebones. they did by buying bicycles when the craze for that form of conveyance was on. The horse industry these days is in condition to stand a lot of "killing."

EQUITANT.

Breed from Sound Sires and Dams

It has been stated that progress in the improvement of horses can only come from the exclusive and continuous use of purebred stallions. But that is not enough. It also is highly important to be sure that the stallions used are sound, and as important and necessary that the mares with which they are mated are sound. It is a fundamental principle in breeding that "like produces like." We may then most reasonably expect to obtain sound animals by employing nothing but sound breeding stock.

It also would seem logical to expect that if we use unsound sires and dams their progeny may prove equally unsound, or if one parent is unsound its unsoundness may offset the soundness of the other parent and at least endow the offspring with a tendency to like unsoundness. We cannot afford to run chances. Breeding animals of both sexes should be of the highest obtainable quality and character. Even if such ideal conditions obtain there will be many disappointments in breeding, but there assuredly will be less if unsound and unsuitable sires and dams are excluded from our operations. It is not positive that, in every instance, an unsound stallion or an unsound mare will transmit like unsoundness. It is quite probable, however, that such will prove the case and many actual experiences are on record to show that unsound breeding animals do produce offspring that in time become similarly unsound. As the tendency in that direction is a well known fact it is certainly poor policy to knowingly use unsound stallions or mares. The presence of any one of the following diseases or unsoundnesses should be deemed sufficient season for refusing to use a stallion:

Cataract; amaurosis (glass eye), periodic ophthalmia (moon blindness).

Laryngeal hemiplegia (roaring or whistling). Pulmonary emphysema (heaves, broken wind).

Chorea (St. Vitus' dance, crampiness, shivering, string-halt).

Bone spayin, ringbone, sidebone, navicular disease. Bog spavin, curb, with curby formation of

hock. Glanders, farcy, maladie du coit, urethral gleet,

mange and melanosis. Hereditary tendency to sidebones.

Of these diseases or unsoundnesses, sidebones are the most common. Some horsemen strenuously object to this disease being made the cause

a cleaner form of conveyance than the motor car, for the official rejection of an affected stallion. more of a "show off" with in the streets. With include sidebones as a hereditary disease rethese ultra-rich, too, it is largely a question of quiring rejection, but experience shows that = In a circular issued in 1908 by the department of agriculture of Victoria. Australia, it was stated that 20.78 per cent. of all the draft horses ex-

The total percentage of draft stallions found know something of the man's financial standing unsound and refused licenses in Victoria on account of the various diseases mentioned were as way, whatever advice we offered, we didn't follows: sidebones, 9.36; ringbone, 1.68; bone the average about 190 pounds in that time, and spavin, 2.01; bog spavin, 0.67; curb, 1.34; cataract (eve), 0.11.

> In the circular above mentioned some inaminations of stallions furnishes almost incontestable proof of the hereditary character of some of the unsoundnesses previously menbeen furnished.

As a matter of fact more tarmers are earning of one sire were examined, and all but one of them found to have sidebones.

These facts may be more clearly represented

,011.04.0	D :	
	Reje	
Exami	ned. for side	bone
	5 Sons	5
Sire A	4 Grandsons	4
	3 Great grandsons	2
*		-
Total 1	2	11
	5 Sons	4
Sire B	4 Grandsons	3
	1 Granddaughter	1
-		
Total1	0	8
—From Wi	sconsin Bulletin 186, "Improve Horses."	emen
	* * *	

are that she will then become a more regular results than this experiment shows.' for a year or two longer.

STOCK

Winter Cattle Feeding at Lacombe

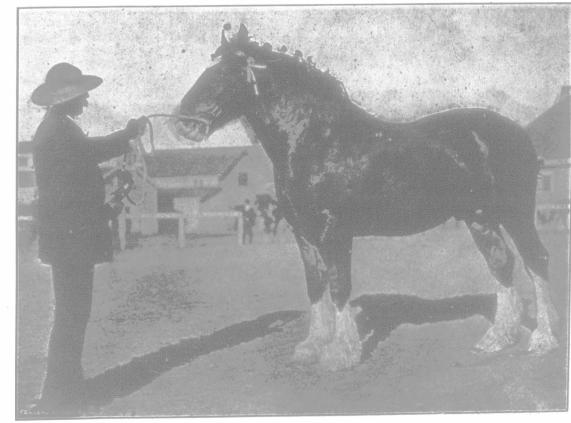
An experiment in cattle feeding, the marked success of which may have a great effect on the live stock industry in Alberta, has recently been completed at the experimental farm at Lacombe. Eighteen steers, of ordinary grade stock, were fed for 109 days. They increased in weight on sold at a profit of from \$14 to \$16 a head over purchase price, and cost of feed and care.

The object of the experiment was to discover whether a better outlet for rough grain, could be found by feeding it to cattle than by putting it on the market. G. H. Hutton, the superintendent of the farm, is quite sanguine over the if we deemed an automobile essential to our tioned. In the case of sidebone, convincing results obtained, and he is firmly convinced that peace of mind we would get one. There are a evidence of its transmissibility from sire to much greater profits can be had by feeding grain sons and from sons to grandsons, and so on, has to cattle than by marketing it direct. The steers were sold to the highest bidder at a record In one case twelve male (entire) descendants price, $5\frac{3}{4}$ cents per pound, live weight, with an allowance at the point of shipment of five per cent. shrinkage. The price was from 1 to 1 cent In the second case ten direct descendants were above the price usually paid for the best beef. cars. Nor can we see that farmers in owning examined (nine males [entire] and one female) The steers when slaughtered dressed out 61 cars and using them instead of horses will be and of these, eight (seven males and one fe- per cent., fully justifying the purchaser paying the price he did.

These cattle, when purchased for the purpose of the experiment, were quite an ordinary lot, but when sold at Lacombe the average weight of the herd of eighteen was 1,318 pounds. They were fed on chopped grain, a mixture of barley, wheat and oats, the wheat being frozen and rough grain. Of this mixture of grain, which could not be sold on the market at an average price of more than 35 cents a bushel, each animal consumed probably from 16 to 18 pounds a day. The animals ran loose in a corral throughout the winter and were given hay and sufficient water. All who are acquainted with conditions in Alberta must acknowledge that no more important experiments of agricultural interests nt could have been carried on and it is to be hoped that Mr. Hutton will continue this line of work at the Lacombe Experimental Farm.

The advisability of putting two-year-old fillies Superintendent Hutton states: "I am firmly to the stud is a matter of controversy. If a filly convinced that the cattle produced in Alberta is well grown, and is not required for work it is are especially suited to winter feeding, and that certainly the best plan to begin her to the busi- large profits are to be had from the practice. ness of her life as early as possible. The chances Any farmer can secure the same, if not better

breeder and make a better mother than she Mr. McPhail, manager of the abattoir that would do if allowed to continue a maiden life bought the cattle, says: "If more stockmen, instead of putting cattle on the market in the



MASTER MACQUEEN, A WINNER IN THE AGED STALLION CLASS AT CALGARY—OWNED BY JAMES CLARK.

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and prices are low, would feed through the winter and put their cattle on the market in the spring increased in weight, when prices are high and good cattle scarce, they would find much the world over as the home of the Percheron very few pigs being fed without one or the other, greater profit in their business."

The following tables give the results:	
Number of steers in lot	18
Gross weight weighed in 20337 pound	ls
Average weight per head weighed in . 1130 "	
Number of days fed 109 "	
Gross weight weighed out Mar. 3023720 "	
Average weight weighed out Mar. 30. 1318 "	
Total gain in 109 days	
Average gain per head	
Average daily gain per head 1.72 "	
Average cost per 100 pounds gain \$7.4	12
Value per bushel of frozen wheat fed and	
marketed as beef\$1.28	1.
Interest on investment for buildings and	2
necessary shelter	00
COST	
18 steers of weight 1130 pounds at 3.658	
cents per lb\$744.0	1
26,216 pounds prairie hay at \$6.00 per	,
	35
9,123 pounds timothy hay at \$7.00 per	,,,
ton	13
20,810 pounds frozen wheat chop at $\frac{2}{3}$ of	
1 cent per lb	73
145 pounds salt	75
The cost of 222 hours labor and interest	U
(\$18.75) on money invested in cattle	
is not figured, but it is more than	
covered by value of manure avail-	
able for application on the land.	
Total cost\$995.0	7
	£
RECEIPTS	
Sold 18 steers, total weight 23,720	
pounds, less 5% at \$5.75 per	0
100 pounds	U
Profit on gain of two pigs following steers during last 6 weeks of feeding. 4.7	5
steers during last 6 weeks of feeding. 4.7	U

1	
Average profit per head	\$16.97
Note—Loss of one steer, 1,130 pounds at 3.658 cents, plus value of hay and	
chop consumed, less 51 pounds	
Hide at 5 cents	2.55
	0050 04

Hogs of Proper Type

Average profit per head after covering

EDITOR FARMER'S ADVOCATE:

Total cost

Total profit

paper finding fault with the type of hog that growing from the time they are weaned until little patience and honor to teach the Dane that to show that they have a type of hog in the United States that they have not got here; but he very carefully omits to tell us what kind of a hog it is, and also says that the quarantine laws are almost prohibitive. If this is as good a hog as he says I think he would be wise in having some shipped in for breeding stock, so long as the quarantine was not altogether prohibitive.

I do not write this letter for anything except to gain information on this subject. If this man has anything good to offer let him tell us, and tell us over his own signature. I am an interested hog-raiser.

D. E. COLLISON. Man.

The potency of a sire probably depends as much upon his general care as upon the food he eats. One of the chief reasons why many sires are not as potent as they should be is the fact that they get practically no exercise, except during the stud season. A horse makes a better sire if he gets regular exercise at all times.

fall, when so much grass beef goes on the market Interest Your Neighbors in Purebred profitably fed than those given longer time to Stock

horse. Guernsey and Jersey Islands in the and nowhere were these foods fed without a care English Channel are recognized throughout the s civilized world as the home of the Guernsey and Jersey cattle. If a buyer in any part of the world wishes to get high type animals of several of our breeds of cattle, hogs and sheep, he goes to certain counties in England, Scotland, or Continental Europe, where in each locality these special breeds of animals have been extensively bred for generations.

There are certain districts in Western Canada 2 that are becoming noted in the same way. Clydesdale horse breeding is general in the districts contingent to Brandon, Man., and Regina, Sask. If one wishes to purchase a draft horse 0 of this breed he thinks instinctively of these centers, and he very likely visits the breeding establishments in these districts before buying. There are other districts, noted or becoming noted, in other lines of purebred livestock. 5 It is to the interest of every breeder wherever he may be located, to lend every effort to interest 3 his neighbors in the same line of stock as he is breeding, if not in that line, then in some other. 3 Get them interested in some breed of purebred good solution for much of the buying difficulty b livestock; get them to make exhibits at the in Canada. It ought to do away with the flat fairs; get your district known as a purebred rate system of paying alike for all kinds, good and livestock center, and you will help yourself and bad. It would do more, it would stimulate comyour neighbor more than you can in any other petition which is limited to a minimum in many way. Livestock breeding is an industry that sections. thrives best where competition is keenest. Don't be afraid to interest your neighbor in the same line as you are engaged in, for his success will Was it not a poor kind of co-operation that help you to do business.

Report of Swine Commission

to investigate the swine industry of the United and co-operation in the bacon industry was Kingdom and Denmark, notice of which is con-launched, but it did not last. Where was the .\$1300.45 tained in our issue of last week, a chapter is de- weak point? It was not in the hogs, for there 995.07 voted to what is termed "Lessons for Canadian were plenty and of good bacon type; it was not \$305.38 Swine Raisers and Packers," in which is dis- in the factories, for these have proved their own cussed certain points in connection with the success in the hands of proprietory firms; it could production and marketing of hogs. After re- not have been the market, for this has never ceased viewing the condition of the swine industry in to grow for the Danes and others who send on England, Scotland, Ireland, Denmark and Hol- the good bacon in regular quantities. Was the land, the commission draws these lessons for the system of co-operation defective? It would

Profit of \$305.38, less \$47.14 \$258.24 with those of the most successful Canadians in of rival houses who received every encourageregard to the best age to wean litters. Nowhere ment to cast their bread upon the waters, to be \$14.35 were breeders found weaning at less than six gathered in larger loaves in the not too disweeks, and most breeders leave the litters on the tant and very certain future. No, co-operasow until two months old.

finish or carried to heavier weights.

The value of milk and whey in pig feeding was The little valley of La Perche, France, is known everywhere exemplified. The commis ion saw for the greatest profit.

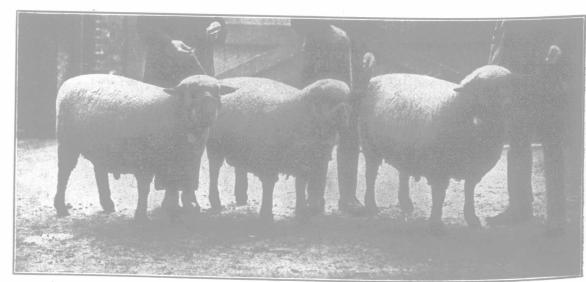
Roughage in the form of roots or other green fodder is considered an essential part of the successful pig raiser's food supply. These, it is generally believed, help materially to maintain thrift in breeding and growing stock. Nowhere can these be cheaper grown than in Canada, and no pig raiser can afford to be without them.

Another lesson gathered in each country visited is the importance of carefully grading the ration according to the age of the pigs and the object in view. Everywhere young pigs were fed on easily digested food rather light in character and with only a small percentage of green food. As the pigs get older roughage is increased to cheapen the ration and strengthen and keep in tone the digestive organs. As the finishing approaches the ration is made stronger, which hastens the fattening and assures a high quality of

In the matter of marketing the report has this to say: Co-operation it would seem should be a

Can co-operation in Canada succeed?

Some say: "No, it has been tried and failed." failed? The intention of organizers was of the best, much hard work was done; farmers put in a lot of money and well equipped factories were put in operation; business connections that In the report of the commission appointed promised well in the Old Country were made seem so, at least for the disloyal members who Everywhere the ideas of pig feeders agree soon commenced to bite at the dangerous bait tion did not prove a success in the pig business, Both in Denmark and Ireland the results of nor could such a brand of it have succeeded in any I was very much interested in an article in feeding experiments agree with those carried out business in which it might be tried. It would your issue of March 23, under the heading of at Canadian stations in that the cost of gain per have as surely failed in Denmark with such 'Doubts Value of Bacon Type' and signed by pound increases with age and live weight. In poor staying material. The early organizers "An Ohio Canadian." This correspondent has Denmark especially it is confidently believed in that country saw the rocks ahead and added a used up nearly two columns of your valuable by feeders that hogs that are kept thrifty and penalty clause to the rules. It required only a is being raised in Canada, and quotes figures ready for market at five and a half to seven co-operation was the correct method and since weighing about 200 pounds, are more then it has proved not only to the Danish, but



HAMPSHIRE DOWN YEARLING WETHERS, GRAND CHAMPION PEN AT SMITHFIELD SHOW LAST YEAR.

nger time to g feeding was

mis ion saw or the other, ithout a care

other green part of the These, it is to maintain k. Nowhere Canada, and out them. untry visited ding the raand the ob-

igs were fed in character green food. increased to and keep in finishing apr, which hash quality of port has this

should be a ng difficulty vith the flat ds, good and mulate comum in many

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It would mbers who gerous bait encourageaters, to be ot too disco-operag business, eded in any It would with such organizers

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ducted co-operation is a sound principle.

terests of their organization, it need not hope to as long as any of the other is in sight. will do their duty towards it.

mission are as follows.

farmers to increase the quantity and improve bacon type. the quality of their hogs. This would involve a constant, earnest desire and readiness to afford every facility on their part in co-operation with the producers, to investigate and solve problems which may give rise to dissatisfaction. It would require the adoption of a careful grading of the Editor Farmer's Advocate prices of hogs through the year, guarding against in the prices paid for hogs.

2. The co-operation of farmers in engaging a salesman for their hogs, as is carried out by the Eastern Counties Farmers' Association of England.

3. The adoption of the system of selling swine on the open market as applied to cattle and sheep. By the co-operation of neighbors car loads could be sent forward at regular in-

4. The establishment of co-operative packing houses as conducted in Denmark and Ireland.

The Bacon Hog

Editor Farmer's Advocate:

hogmen are buying their grain, some of it from and do not thrive well on it. this country, and they are doing it with the Chemical analysis shows that timothy hay is weighed the feed and the pigs. We found that for timothy. All classes of we could make a pound on one as easy as on the clovers than on grasses.

to the Canadian farmer as well, that wisely con- other." And the Yorkshire has gone into the Northern States in large numbers and they A successful co-operative society requires a have gone there to stay. To say that a sow strong leader and a faithful membership. Un- dressing over 500 pounds with 53-pound hams is less a community is made up of such a class, who the kind that is wanted is contrary to facts, as will bind themselves for a term of years to sup- the buyers offer 1 cent less per pound. To ply all their marketable hogs to their own fac- prove this put the two kinds on the counter of tory and stand firmly and lovally by the in- any shop and see how many will buy the thick,

such men, with a desire to follow pig raising as hog at those weights at the same age, but to say our readers may see an open channel through an important branch of their agriculture, a that all bacon hogs, or all "meat hogs," can be which they may inform their brother farmers co-operative association will work in Canada as made those weights is another matter. While as to practices that are worth adopting and warn it does in Denmark. The initiative must, how- we may differ in our opinions as to the kind of them against methods that prove unprofitable. ever, come from the pig raisers and be carried hog that is best to grow, I believe we all know Not only do we wish our readers to discuss the through as a remedy to a grievous situation. what a bacon hog is supposed to be like. But topics announced for the various issues, but also Having come into contact with a large class of when the Brandon Winter Fair puts out a prize we desire that they suggest practical subjects on farmers who are growing rich through co-opera- list offering certain prizes for bacon hogs of not which it would be well to have discussion. tive bacon raising the commission confidently more than 220 pounds live weight, and then This notice appears under the "Farm" departrecommends it to the pig raisers of Canada who sends 600 miles south in the corn belt, fat hog ment, but the questions dealt with cover all country to get a judge to place the awards, branches of the farming industry. Letters should Summarized the recommendations of the com- there is something wrong somewhere. And the not exceed 600 words and should reach this office 1. The adoption, on the part of the packers, thick hog, as it was not suitable for their trade. read carefully and a first prize of \$3.00 and a of an attitude of sympathetic co-operation be- At Regina Fair, when killed the heaviest car- second prize of \$2.00 awarded each week. Other tween themselves and the producers whereby casses brought only 11 cents, while the others letters used will be paid for at regular rates to every possible encouragement would be given went 11½ to 12½ cents, and they were all of the contributors.

"BACON TYPE."

Feeding Value of Timothy

Would like to know exactly the effect of timothy discouraging low levels. It would require the on dairy cows, cattle, horses, swine and sheep, control of buyers and the recognition of quality as it is held here that timothy is not good for dairy cows and cattle?

thought of and has probably about the same teams? value as corn stover or good oat straw. As a feed for sheep is it not satisfactory.

is a poor dairy feed, an unprofitable feed for a given area of wall or fence. In your issue of March 23rd appears an article cows, and should be replaced by leguminous hay. championing the thick hog as against the bacon For fattening cattle numerous tests show it to be type, written by "Ohio Canadian." There is about equal to corn stalks. It is inferior to corn no country in the world that puts as high a silage or clover, and is said to tend to the proclass on bacon on the English market as the duction of intestinal fat. For horses it is the to the question: What advice have you to offer Danes, and probably no country of the size puts most common fodder, and for them has consider- on the production of field roots, such as turnips, as much on the market in proportion. Danish able feeding value. Sheep do not relish timothy,

bacon hog, and these men are shrewd enough not rich in nutriment, and common experience of the soil, seeding and general cultivation of to adopt the thick hog if they could do better, in the older settled parts of the country is that Prof. Shaw, formerly of the Minnesota Agricul- the value of this hay is usually over-rated. It is tural College, stated in Qu'Appelle once in my richer in proteid matter than ordinary prairie hay, hearing, when a man at his back said: "I like the has slightly more protein than field-cured corn Berks; they are so much more easily fed,"—"That stalks. It is advisable in all cases to substitute is not our experience at the college, where we the leguminous hays—red clover, alsike, alfalfa—

FARM

Topics For Discussion

In recognition of the fact that valuable hints always are obtained from men engaged in actual farm work The Farmer's Advocate has adopted make co-operative curing a success. Given As to the weights quoted I have seen the bacon the "Topics for Discussion" column, in order that

Brandon butcher said they did not want the 10 days previous to the date of issue. They are

May 4.-What has been your experience in corn growing in the Canadian West? Give particulars as to preparation of soil, most satisfactory varieties, method of sowing and summer cultivation Compare this crop with other fodder crops.

May 11.—What advice have you to give as to methods of farming that can be followed to avoid summer-fallowing? Discuss in detail your system or any system that you know will remove the necessity of putting the land under summer-fallow at regular periods.

May 18.—In grading country roads on the Timothy is not a hay of high feeding value for prairie how can earth grades best be constructed dairy cows, cattle or sheep. Horses relish it, over sloughs? What width is desirable when such and do well on it, and the hay is preferred over grade is completed in order to avoid dangerous most others by nearly all horsemen. For feeding ditches on the side? Give suggestions as to culcattle other than dairy cows, timothy is not much verts and the economical handling of men and

May 25.—What is your opinion of the advisability of painting outbuildings and board fences? A good many feeding tests have been made Give particulars as to most satisfactory kind of with timothy, and a summary of some of them paint and best method of application. Also many answer your question best. Timothy mention approximate cost of thoroughly painting

Discussion on Root Growing

Two articles are published herewith in answer grown to the extent they should be, and we believe the information offered re the preparation lar line of farming in which they are engaged. It may not be to the interest of the grain farmer to produce roots, but it is in the interest of the live stock raiser or dairy farmer to give more attention to the root crop. The prizes are awarded in the order in which the articles appear.

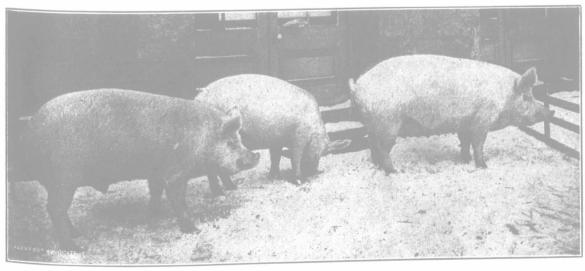
Mangel Growing in Manitoba

EDITOR FARMER'S ADVOCATE :

Mangels thrive best in deep, rich, loam, and the first care should be to provide soil conditions that will be most favorable for the growth of the crop. I have been growing from one to four acres of mangels each year for the past seven or eight years and will outline briefly my method.

My land has been cropped for a number of years and I find it necessary to manure fairly heavily to get best results. Rotted barnyard manure at the rate of 10 loads or more per acre is spread on the mangel land after plowing in the fall. The plowing is done a little deeper than ordinarily. In the spring I disk and harrow the patch just as early as it can be worked, and at intervals throughout the season run over it with the harrows to check weed growth and hold as much moisture as possible.

I seed usually about May 20, sowing with the



THE KIND THE WEST NEEDS-PURE BRED YORKSHIRES, WINNERS AT ONTARIO WINTER FAIR IN DECEMBER.

crops from using 4 or 6 pounds of seed per acre, made or rather adjusted to my design. but find it safer, one year with another, to use a A flat disc cuts horizontally in place of the these grew much stronger than from the same ed seed was a little more difficult to sow.

store in a bin in the basement.

In brief, mangels require a rich, well prepared avoiding friction. satisfactory.

Man. M. B. Johnson.

Directions for Growing Turnips

EDITOR FARMER'S ADVOCATE

In the growing of such roots as turnips, mangels and sugar beets, my practice has been as follows: I manure the land, using well rotted manure, for strawy manure will cultivate up, plow in the fall and harrow every few days in the spring until May 24 or June 1, for mangels or sugar beets and sow with a drill 30 inches apart in the rows. As soon as the rows can be seen I cultivate between them. When the plants are about 3 inches high they are then thinned to 15 inches apart in the rows, and afterwards cleaned of weeds.

I use the same method for turnips, except that sowed earlier than this last year, and had a clear of the bottom of the previous furrow. vate, but the fleas damaged them so badly that I a full half of cutting surface to the disc. harrowed them all up and re-sowed on the 21st I would like to have the opinion of brother of June, from which sowing I had a fine crop.

I thin turnips to 12 inches apart in the tested this season. rows. I prefer turnips to either mangels or sugar beets, as they are hardier and will stand considerable frost in the fall without injury, and by clipping off the tops with a hoe you can harrow them over a couple of times and have wagon and haul to the pit. A pit for turnips Let the top ones freeze, if they must; it won't hurt them. Watch the ones at the hole where you dumped them in, because there will be some soil mixed with them, and they are sure to heat. Feed these first. I have not had much luck with mangels or sugar beets. I am going to sow two acres of turnips this year, as I find them excellent feed for cattle and pigs.

D. E. Collison.

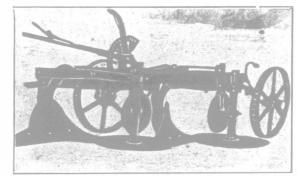
New Style of Plow

EDITOR FARMER'S ADVOCATE :

grain drill and making the rows about 30 inches not satisfied with the work done and discarded with good roots and underground stems. The apart. I believe it would be better to have a it. Last summer I was struck by a plan by same seed planted in the old wheat lands which special seeder, but the area sown hardly warrants which I could use a rotating share which would had not been sterilized produced feeble plants. the purchase of such yet. I use about 12 pounds reduce friction and at the same time cut a level the underground stems early evidencing decay, of seed per acre. I have seen larger quantities furrow instead of the objectionable scoop of the cortex of their roots sluffing off. Shrivelled than this recommended, and have had good the ordinary disc plow, and I have had a plow seed, internally diseased, treated, produced

liberal quantity of seed. Last spring I tried ordinary share. The diameter of disc is double seed untreated and planted in unsterilized soil. soaking the seed in warm water for half a day the width of the furrow to be cut; one-half cuts In this case young roots are stunted or killed before sowing and got a quicker and stronger while the other half is in the bottom of the pre- almost as soon as formed and no stooling occurs. germination than I ever did before, but the soak-ceding furrow. It is something like a rolling coulter running horizontally instead of vertically, When the rows are up so they can be fallowed, and will rotate for the same reason that the coulthe horse cultivator is started and kept going up ter does. The disc revolving as it does, works to harvest. The plants are thinned to about 12 easier than any share at present made, and the inches in the row, and harvested by hand. I cutting side pressure will be opposite to, and will neutralize the turning side pressure, thus

soil, should be sown towards the end of May in One objection to the plow is that it will be rows about 30 inches apart, thinned to 12 inches less steady than an ordinary plow, as it will have in the row, well cultivated all season, and harvest- a tendency to swing to the right on meeting an ed before there is danger of frost damage in the obstruction. There are several ways of over- field observations and laboratory studies lav bare fall. They make the best winter succulence for coming this difficulty. The best way, I think, is a real cause and a real reason for proper crop rodairy cows; in fact, I would not try to keep to have strong rolling coulters with stiff shanks tation and seed selection and treatment. They cows without mangels to feed them. I find the set well ahead of the share disc. These will act also prove conclusively why it is that formaldeyellow intermediate varieties the most generally as a guide, and being well ahead in the solid hyde treatment is always beneficial, even though land will take the side thrust when needed, and there is known to be no smutty wheat in the seed. cause no side pressure.



PLOW DESIGNED TO DECREASE THE DRAUGHT.

I find it safer to continue harrowing the land un-mouldboard underneath the disc at the back, til about June 20, by which date the fleas are all and also allows a tilt down to the landside, engone and one is pretty sure to get a crop. I abling the "idle" half of the disc to run high and The nice stand of young plants, large enough to culti- standard is set over from the center to allow

farmers on this plow. It will be thoroughly

Sask. HUGH MONAGHAN.

Wheat Yields and Fungi

upon the wheat crop of North Dakota and the either by the formaldehyde method or the modinothing further to do but tumble them into a Red River Valley I announced that the cause fied hot water method. As these diseases of of deteriorated yields in the wheat crop of the wheat often attack the grains internally it is requires only to be a hole in the ground covered Northwest was not primarily due, as usually possible that some new method of seed treatment with poles and a little straw and about 6 inches conceived, to a deteriorated nitrogen condition will yet supplant the ones now in common of earth. Leave plenty of openings for venof the soil, but rather to the presence of numerous use, though these are extremely efficient. (4) tilation, and do not be afraid of the turnips freezroot rot and blight-producing fungi, which Sow the treated grain upon soil that has not attacked the crop after the same wilt fungi attack the flax crop. I also called should be of such nature as to introduce one or attention to the fact that the use of fresh barn- more thorough cultivations of the soil, such as yard manures containing straw from diseased that necessary to develop a proper corn or pofields, when spread upon the land by the manure tato crop. (5) In fertilizing with barnyard spreader, is a very destructive process, rapidly scattering the wheat diseases to new lands and use thoroughly composted manure, that the injuring those lands for wheat cropping. Numer-diseases which are resident upon the wheat ous papers commented upon this information, and in some cases not very favorably.

Numerous experiments by culture methods in the green house, supplementing those of our field plots, are now so far completed as to furnish of fungi which are the cause of these wheat I am experimenting with a plow with a view conclusive evidence that these first statements diseases are in part given in the annual report to lightening draft on that most important of were well founded. Extensive pot experiments of the North Dakota Experiment Station for I have often thought when plowing in the were used. The soil taken to fill these boxes was full, when the hand is dry, that there is a maxi- taken from old wheat lands which no longer to be issued during the coming season. num of rewer extended for a minimum result, raised any plump wheat and had approxi-There is, too, much useless friction mately forty continuous crops. In some cases points of view regarding the well-known desiraand too much tower wested. There is a heavy the soil was treated with various chemical dissele pressure against the landshife caused by infectants, and in some cases sterilized under arming the self and there is additional tide high steam pressure. Healthy seeds, modified ressure ever to the Shant behind the share hot water treated, planted in the sterilized beds, some years are it had a disc plow, but was produced healthy, strong, heavy stooling plants

diseased plants, even in well sterilized soils, but

The characteristics of the diseases are so definitely shown in the crop that photographs taken of the roots and stems plainly show the results of the experiment. All persons who have seen these experiments no longer question that the chief cause of deteriorated yield and shrivelled seed in the old wheat lands of the Red River Valley is due to fungus infested lands and fungus infested, deteriorated seed.

These experiments, associated with numerous

Bulletin 87, dealing with wheat and flax dis-I have the discs ground on the underside only, eases in an educational manner, also discusses as this will allow a tilt forward, which lets the the subject of seed selection and seed treatment. and shows the results of breeding for disease resistance in flax. The following quotation from page 163, of that bulletin deals with these root rots and blights of wheat:

> "New studies conducted by this department have demonstrated the fact that the wheat crops are quite commonly attacked by three or four types of minute fungi not heretofore recognized as definite wheat parasites. These parasites not only attack the wheat heads and grains, but gain entrance to the interior of the grain and bring about blighting and shrivelling, and also live over in the soil after the manner characteristic of flax-wilt and flax-canker fungi. It is, therefore, important that seed treatment and rotation of crops be followed for exactly the same reason as given for the prevention of the diseases of flax. As the wheat crop is much more general in its distribution than flax, it will be more difficult to gain as definite immediate

'Treatment: (1) Obtain home-grown seed of pure variety. (2) Select the brightest, plumpest, and heaviest type of berry possible. (3) Grade this grain by means of a heavy wind-blast, preferably vertical, in such manner as to eliminate the light weight, shrivelled kernels. Treat In August, 1909, after some nine years' study the seed as recommended for smuts of wheat, manures any land which is to be sown to wheat, straw commonly used in animal bedding may be killed by the composting process.

The classification and description of the types 1909, and will be more fully given in a bulletin

The value of these facts rests in the new bility of proper crop rotation, seed selection and seed treatment.

H. L. BOLLEY, N. D. Agricultural College. Founded 1866

stems. The lands which eeble plants, ncing decay Shrivelled

produced ed soils, but m the same erilized soil. ed or killed oling occurs.

ases are so photographs y show the ns who have uestion that nd shrivelled Red River ; and fungus

h numerous lies lay bare per crop ronent. They it formaldeeven though in the seed. nd flax disso discusses 1 treatment. r disease retation from these root

department the wheat by three or ofore recog-These paraand grains, of the grain velling, and anner chariker fungi. 1 treatment for exactly evention of rop is much flax, it will immediate

rrown seed :est, plumpessible. (3) wind-blast, s to eliminiels. Treat ; of wheat, r the modidiseases of rnally it is 1 treatment n common icient. (4) it has not ne rotation luce one or oil, such as corn or pobarnyard n to wheat, that the the wheat ing may be

of the types nese wheat nual report Station for a bulletin n the new

lection and

own desira-

LEY,

al College.

Beef-Ring Charts

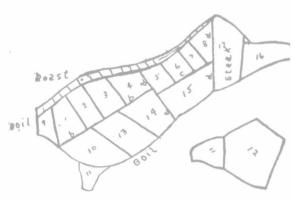
As summer approaches the usual enquiries regarding beef-ring charts reach the office of THE FARMER'S ADVOCATE. Farmers are rapidly realizing that this is an ideal way to provide choice beef at a minimum cost. When a neighcontinuing the good work in the future.

No doubt several satisfactory charts are in same manner. use for cutting up the beeves, so that when the his share in case his family is small.

some cases 400, and not more than 500 pounds, member will receive justice. exclusive of head, heart, liver, feet, tail, fat of internal organs, etc., which parts along with the hide, go to the owner of the animal. The services of a competent butcher are secured to members is as follows: kill the animal and apportion the carcass according to a fixed chart, cuts being supplied in turn, so that by the close of the season each member has received a whole animal. At the end of the season, settlement is made among the members, according to the weights of the animals slaughtered, on the basis of a fixed, stated price for beef, from or to those who go below or above the average.

SIXTEEN-SHARE CHART.

into shares. A chart for a sixteen-share beefring, commonly used, is as follows:



This chart represents one-half of beef lying on table ready for saw. Before letting this half down divide it in the middle by running a saw across at "a," between roasts 4 and 5, leaving two ribs on hind quarter. After laying both quarters on the table, divide fore quarter at

No. 9. Represents neck. Saw neck off, leaving three joints on it.

No. 1. Represents roast No. 1. Saw roast No. 1 off, leaving three joints on it. 2. Represents roast No. 2

No. 2 off, leaving three joints on it. No. 3. Represents roast No. 3.

No. 3 off, leaving three joints on it. No. 4. Represents roast No. 4. Saw roast No. 4 off, leaving four joints on it.

No. 11. Represents front shank. Saw front shank off above upper joint.

No. 14. Represents second rib cut. Saw it off, leaving five ribs on it.

No. 13. Represents first rib cut. Saw it off, leaving four ribs on it.

No. 10. Represents brisket. No. 12. Represents shoulder, which lies directly under brisket, as represented in chart.

Then take the hind quarter, and divide at the line "d. No. 15. Represents flank. Cut flank off at

line "c." No. 5. Represents roast No. 5. Saw roast No. 5 off, with three joints on it.

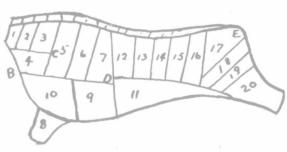
No. 17. Represents steak. Cut steak into slices, giving a slice to each person.

No. 16. Represents hind shank after steak is taken off.

After this half of the beef has been cut up it is divided between the first eight persons, as borhood adopts the beef-ring method for one shown by time-table, giving each person a roast, Editor Farmer's Advocate: season it is seldom that any difficulty is found in a boil piece, and a slice of steak. Then the other half of the beef is taken down and cut up in the

When individuals decide they cannot handle season has ended each member has received a a whole share they arrange with a neighbor to to express my thanks for the two really good whole carcass. Sixteen and twenty-share rings go halves. With a sixteen-share ring, and articles on dairy herd improvement in your are most common. In many localities share- animals up to three years and an average dressed number dated April 6. J. E. Frith says: "If holder arranges with a neighbor to take half of weight of about 400 pounds, one share gives the cow carrying the heifer calf is fed a proper a fair supply for two small families. It can be ration it is possible to change the percentage The customary arrangement is for members to seen, therefore that the number of shares will of butter-fat in that calf." I would like to ask agree to provide an animal each for slaughter have to be governed by conditions, and that Mr. Frith what he considers a proper ration. on successive weeks, said animal to be a steer the chart will have to be made out accordingly. or heifer, not more than two or perhaps three A competent butcher will find little difficulty years old, and to dress not less than 300, or in in dividing the carcass in such way that each

TWENTY-SHARE CHARTS.



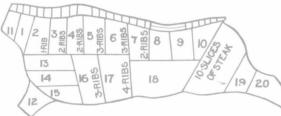
This chart shows how the beef should be cut. Butchers have different charts for cutting This chart snows now the beel should be cut.

To give each party a boil and a roast it must year, as a three-year-old heifer.

This coar is owned by Glenside. be divided after the beef is cut down in halves. Cut across between numbers 7 and 12, leaving four ribs on the hind quarter. After laying the front quarter on the table for cutting up, take off neck, No. 1; then take off roast No. 7three ribs in it; roast No. 6, two ribs; roast No. 5, two ribs; then cut across the line to C, taking piece No. 4, boiling piece; then, No. 3, two ribs are no milking Shorthorns! in it; leaving piece No. 2. After cutting up the two fore quarters, let down the hind quarter on the table, and cut from line D, leaving flank 18 and 19, leaving hind shank No. 20.

2 and 16; 3 and 12; 4 and 13; 5 and 17; 6 and 20; 7 and 11; 8 and 15; 9 and 14; 10 and 19.

Another twenty-share chart is as follows:



The cuts as distributed are as follows from each half of beef:

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a system for making "alfalfa flour." Certain ate dairy tendencies. Of what value is a "scrub"? Nos. 6. 7 and 8. Represent sirloin. Divide portions of the plant are ground into a powder 3. Regular and careful feeding—as to time, these three to as nearly the same weight as pos- and mixed with wheat flour. The mixture is said quantity and quality; adjusting the grain ration to make a palatable bread.

DAIRY

Ration for Cow Carrying Calf

Allow me briefly to express my appreciation of the up-to-dateness of your valuable paper. I take especial interest in the "Topics for Discussion" each week, and as a dairyman I wish

JOHN HUBBARD. Sask.

Shorthorn Cow's Record

A registered Shorthorn cow, Rose of Glenside, owned in Pennsylvania, has just completed a A successful chart for a beef-ring of twenty year's semi-official record, in excess of all previous Shorthorn records, and one of the largest made by any cow. From March 3rd, 1909, to March 3rd, 1910, she gave 18,075 pounds milk, and 735 pounds butter. Rose of Glenside is 9 years old, and has produced seven calves. She is descended from a line of heavy-milking Shorthorn cows; her dam has a record of 9,470 pounds milk in one year, and her grandam has a record of 10,043 pounds in one year, and an average of 9,137 pounds per year for six years. Her sire, Belle Boy 2nd, is from a cow with a milk record of over 9,000 pounds in a year, and is sire of Henrietta Clay 2nd, 10,286 pounds milk in one

This cow is owned by Glenside Farm, May & Otis, proprietors, Bradford Co., Penn. She is a cow of large size and good conformation. At the end of her year's work she weighs 1,450 cut off front shank No. 8; then cut from line pounds. Cost of grain to produce 1 quart of B, making two pieces, numbers 10 and 9; then milk, 85-100 cents—an extremely low figure. Best day's milk, 62.8 pounds; average daily record for entire year, 49.5 pounds milk, 2 pounds butter. And yet some writers claim that there

Prepare Now For Next Winter's Feeding

Regularly each winter we receive inquiries from No. 4; then cut roast No. 12, three ribs in it; farmers who want to know what they can feed then follow along 13, 14, 15, 16; then cut across their cows to maintain the milk flow. Usually line E, rump roast No. 17; then cut off Nos. follows a list of the feeds available: prairie hay, straw, oats and possibly bran. From these a The numbers that go together are: 1 and 18; ration is required to be compounded that will keep the cows giving milk in profitable quantities. To compound such ration from such feeds is an impossibility, and as there are no other feeds procurable it is altogether likely that little profit will be shown from the dairy herd during winter.

The time to think about compounding a winter ration for dairy cows is not next fall, but now; not when the grass fails and the milk yield falls away, because the cows are on a straw diet, but now when it is possible to make provision for next winter's feeding, by seeding some crops that will produce succulence and milk-making nutrients

for next winter's feeding. A crop of roots requires some little labor to raise, but makes the best milk producing material that can be incorporated into the winter k, ration. A piece of land can be sown to a mixture of oats and peas, and a lot of nutritious hay easily produced. Peas are strongly nitrogenous, are easily grown with oats and the two grains cut green and properly cured make a hay that is richer than common prairie hay, and better than oat sheaves or any of the other usual fodders, as a cow feed.

Seven Stones in Herd Building

1. Milking clean to obtain all that a cow can give, and to prevent early drying off.

2. Use of purebred sire from strain of large An American milling company have perfected producers, to acquire good qualities and perpetu-

to the production of milk and butter-fat; to get

the utmost value for the foodstuff grown or pur-

of milk.

either to feed or to breed from. Beef them.

work to the best advantage. Better methods, delivery were delayed two or three hours. not necessarily much outlay of cash.

supplies information of the utmost value at every pounds of the coldest well water. turn. Record forms are supplied free on application to the dairy commissioner, Ottawa.

C. F. W.

Cooling Milk for Cheesemaking

A seven-page bulletin on "The Cooling of Milk for Cheesemaking," by J. A. Ruddick and G. H. Barr, has been issued by the Dominion Department of Agriculture, and may be ob-Following are the recommendations offered:

made from a barrel cut in two will serve the cows. purpose, or a special tank made to hold several except when the milk is to be kept over Sunday. Do not dip or pour the milk.

as soon as the milking is finished, and left there on the surface of the milk when the milk is cooled and the can is covered

3. It is advisable to deliver the evening's and the morning's milk in separate cans, but if for any reason the two milkings must be delivered in the same can, and the morning's milk is not cooled the evening's milk should be cooled to 60 degrees or under. If the two milkings are delivered in separate cans, or if the morning's milk is cooled to 75 degrees, the evening's milk need can, and it should not be dipped or aerated in tion of the freshly-drawn milk with dirt an l worth double. If a man figures out what he can any case

4. When milk is to be kept over Sunday it should be cooled to 50 degrees or under.

5. A thermometer should be used to determine the temperature. Use only the special dairy thermometers, made wholly of glass, and known as "float" thermometers.

Covering the Cans.—Our advice to put the covers on the cans as soon as milking is finished is contrary to what has been the usual practice among cheese factory and creamery patrons. It has been popularly supposed that the milk should be left uncovered to facilitate the escape of "animal heat," "animal odors," and so on. On the other hand, in the high-class dairies, where milk is bottled for direct consumption, the practice is to put the milk in a tightly-stoppered bottle as soon as cossible after milking. Our experiments proved that the best results were obtained by covering the milk. It protects it from insects, dust, falling leaves, or other dirt which may find entrance, and thus carry to the milk many injurious germs of one kind and another. It also prevents the evaporation from the surface of the tailk that ou ses the formation of a rough, leathery surface or cream, much of which is lost in the treess of chaesemaking

that is required to sufficiently cool a given quangive the cow a bath every morning, but a ju-4. Providing succulent feed as roots, silage and tity of evening's milk depends on several condidicious use of a cloth and some water is not to soiling crops, to sustain and prolong the flow tions, such as the temperature of the water itself. be laughed at. whether the evening is a cool one or a warm one, 5. Culling out poor cows—no one wants them and at what hour the milk is delivered at the factory in the morning. The latter point is 6. Good care—including kind treatment, and important. Milk that is delivered at the factory everything conducive to comfort, cleanliness and at 6 a. m., as is the practice at many factories, Editor Farmer's Advocate: health so as to give the cow an opportunity to does not require as much cooling as it would if

7. Keeping records—all the foregoing nat- available, at a temperature of 50 degrees or we get better? A man will not sell a good cow. urally hinges on records. A knowledge of each under, a quantity equal to that of the milk will and most farmers cannot afford to buy registered ow's performance and capacity is the prime be sufficient for the purpose. If the water is stock, so it is up to us farmers to improve the necessity for increasingly profitable production. warmer a larger quantity will be required. If quality of our young stock by introducing a good A mere estimate may be far astray and give the supply of water is limited, ice can be used in milking strain into our herds. At present this no basis on which to work intelligently. Guess it to good advantage. One pound of ice has a is an important question with me, as I want to work is not business-like, but a careful record cooling power in this connection equal to 8 to 10 get a good dairy herd as soon as possible. I

> Water is a better cooling medium than is air. it would take a small fortune. Thus, if the milk cans are surrounded with water
> In the Old Country we used to select a bull at a temperature of 50 degrees, cooling is effected calf from the heaviest milker, and breed the more quickly than if the cans are surrounded rest to him. This system gave good results with air at the same temperature. Quick cooling with two or three crosses. Still if a man uses a is important.

Bath For Cows

tained by managers of cheese factories and "A bath for cows is a new idea. In a lecture by improving the male stock. In a new country creameries for their patrons on application to the at Ann Arbor, Mich., recently on 'The Need of you cannot dairy until the railways are built Dairy and Cold-storage Commissioner, Ottawa. Pure Milk,' Rev. Caroline Crane startled her and markets opened up. Then is the time to audience by saving: 'Dairymen should bathe start to replace ranch stock by milk-producing 1. Evening's milk, intended for the manu- their cows every day and wipe them off with cows. I have over 40 head, good grades and very facture of cheese, should be placed in the cans as Turkish towels. Almost anyone would be willing poor grades, and my intention is to buy or build soon as possible after milking. In warm weather, to pay 10 cents a quart for milk if he could be a good profitable herd of dairy cows. I tried the milk should be cooled by surrounding the milk sure it was pure. Most of us would pay 12 cents. an experiment with two sisters of a good grade cans with cold water, or water and ice. A tub Then dairymen could afford baths for their cow. The first was by a registered bull of a milk-

cans. If the supply of water is limited, ice may thusiasm over cleanliness had a faint recollection months she gave four gallons and over of good be used with advantage. Where there is plenty that in some way or other water was used in con-milk a day. I will weigh this cow's milk this of cold well water, ice is not absolutely necessary, nection with the milking of cows in up-to-date year and give results at a later date. This cow's stables. Perhaps some acquaintance knew of a sister came in by a grade bull and gives not half stable where parts of the cow were washed before the amount with more feed. Now I am selecting 2. The cover should be placed on the cans the milker began his work twice each day. Feel- good grade cows from five years up, as it does ing that with the human race a thorough bath, not pay to spend good time on grade heifers, for the night. There will be no clotted cream combined with liberal use of the Turkish towel because you get only one good one out of ten. was essential, the dimness of her memory led I bought a young registered Holstein bull and her to suggest a similar process in the dairy he will soon double in value. I also have a herd

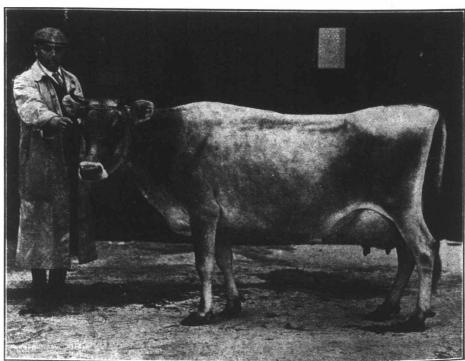
meaning reverend lady cannot be let pass un- away from the dairy—so I bought another threenoticed. Her effort to impress the value of year-old Holstein bull. Some people think I cleanliness in all operations connected with the am wasting good money, but I will have 20 calves dairy should be appreciated. Summer is ap- next year of half Holstein blood. I will take proaching; flies will be numerous; milk and care of these 20 calves, feed good, breed at one cream will sour quickly and strict attention to year and eight months old to my other registered not be cooled lower than 65 degrees under ordindetails is essential. By seeing that the cow's bull, and I will have very little grade blood left. ary circumstances. The morning's milk need udder and flanks are clean before milking is These first 20 calves will pay for the two bulls. not be cooled when it is delivered in a separate started, much will be done to avoid contamina. Then I have the next year's calves, which are

Water for Cooling.—The quantity of water dangerous bacteria. It may not be necessary to

Good Herd From Modest Start

I think the greatest drawback to the Western farmer is the poor milking qualities of the dairy Generally speaking, if deep well water is cows. The question naturally comes: How can cannot afford to buy 20 or 30 good milk cows, as

purebred bull of a milking strain for three years he has lost most of his grade blood, and his voung stock are more valuable at the milk pail, and from a selling point of view. I think I have A recent newspaper note reads as follows: learned by experience that you cannot lose money breed. She got with a bull and came in at the age No doubt our good lady friend in her en- of 21 months. She milked 9 months. In six of good milk cows ready to breed. I considered However, the statement credited to this well- that by breeding to a grade I would breed down-



JERSEY COW, VANILLA 2ND, FIRST IN INSPECTION CLASS AT LONDON DAIRY SHOW LAST YEAR.

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ch are

he can

feeding, but fed enough to develop strong, healthy

WM. GILBERT. Alta.

FIELD NOTES

The Ontario department of lands, forests and mines will dispose of 500 beaver skins to be secured in Algonquin Park. These valuable skins will go to the highest bidder and the proceeds of the sale will help fill the Ontario treasury.

philanthropist, recently moved from small and and a half inches is deep enough to sow any grain, despatch says that in over 40 years Sir William has nor well cultivated, from two and a half to four not had telephone or typewriter in use. He has now inches is the safer depth—deep enough to be in the all modern fittings.

Plowing Match at Carroll

Arrangements have been made to hold the annual plowing match at Carroll on Wednesday, June 15. The competition will take place on the farm of J. V. Patterson. Fred H. Carroll is secretary.

Saskatchewan Meetings

arranged by the extension department of the Sasmeetings will be held in new districts, and agricultural experts will give practical talks.

Buttermakers Meet

The Alberta buttermakers held their annual meeting at Innisfail, April 19 to 22. Almost half a hundred enthusiastic dairymen gathered to hear live dairy topics discussed. Cream grading and butter quality proved to be interesting matters. Further details of the sessions will be given in next

Saskatchewan System of Farmers' Institute Meetings

"You missed it by not being at the institute meeting! Why weren't you there? I wouldn't for a hundred dollars have missed getting some of the facts Mr. Motherwell and Mr. Campbell gave us."

"It slipped my memory, or I surely would have been there. The facts Mr. Fraser, the speaker at last year's meeting, gave us on soil cultivation were worth eight bushels an acre to me. I wouldn't have got more than thirty bushels of wheat to the acre if he hadn't put the case for cultivation as he didand as I got 38½ bushels of No. 1 Northern Red Fife is year, I can appreciate the value o these institute meetings.

This conversation which occurred not long ago speaks volumes. That the benefits to farmers being able to ask questions on farming problems, of recognized authorities, at these institute meetings, can hardly be reckoned, is true. Thirty-eight and a half bushels of wheat from an acre is pretty fair proof of the efficacy of this first-hand method adopted in Saskatchewan of diffusing light on farming methods.

Hon. W. R. Motherwell, commissioner for agriculture; George P. Campbell, Ellisboro, and others went on circuits in different parts of the province of Saskatchewan, discussing face-to-face with the men themselves the farming problems of the West. These clear-headed discussions by leading agriculturists are well worth reviewing. All who were at the meetings referred to can profit by running over again some of the points discussed—and those not there will get a share in the benefits.

The pitfalls the old-timers stumbled into in the early days were dealt with by Mr. Motherwell—sowing too shallow, sowing too deep—sowing too thin in moist soil, too thick in dry land, etc.

Mr. Motherwell used a chart illustrating clearly the relationship of the control o

the relative advantages of shallow sowing, deeper,

do in five years in the building up of a dairy herd, his past experience consists of regrets.

But blood is not all in dairy cows. They must the proper are with the p wastes no time in getting its leaves above ground, and buildings.
and is a strong plant from the first. If frost nips it

The gardening and fruit-growing possibilities of off early there is still strength to be drawn from the the farm were emphasized. it to root again an inch from the surface, which takes use. The profitable side of dairying and hog-raising a little more of its time and strength. When it was mentioned, as well as poultry-keeping, but the finally gets above the surface it is a spindly plant com-difficulty of the labor involved in dairying and other British political matters are quiet. Premier Asquith is credited with a stronger position than he had when parliament convened. The budget is assured of passage in both commons and lords, and as soon as it is disposed of, which will be before April 27 the pared to its shallow-sown brother. If frost nips it stock-raising was freely admitted.

poorly equipped offices to a modern building. The If the soil is not abundantly supplied with moisture moisture, not so deep as to be out of reach of the

warmth of the early spring sun. The question of the amount of seed to sow was gone into. It was pointed out that thick sowing, say two bushels of wheat per acre, hastens maturity a week or more. But no hard and fast rule can be laid down. If frost is feared, sow thick. If drought is more of a menace than frost sow thinner. Less seed should be sown on fall or spring plowing than on summer-ferow or well-cultivated breaking—simply because thte is less moisture. The fallacy of sowing more on stubble land than on summer-fallow or A series of meetings beginning June 13 is being breaking, because it wouldn't stool so well on stubble land, was shown. If sufficient moisture was in the It produces all the plants the moisture permits. To try to compel the land to bear a heavier burden than the moisture will stand, by sowing thick, won't work out successfully. On stubble land sow not more soil and creating a dust-mulch on the surface. than a bushel and a half of wheat, or less if it is extra dry. It will stool out enough plants to make up for this thinner sowing if moisture conditions warrant it, but will take a little longer to ripen on account of the time spent in stooling. Two bushels of wheat to the acre is not too much to sow if you have well-cultivated land, well-stocked with moisture. It will hasten ripening. But as moisture is the chief thing in deciding what to sow, and as you can't be sure of your moisture, it was said that a bushel and a half or a bushel and three-quarters smut goes into the ground with a whole some smut germ reaches out its dirty fingers as soon as it germinates, gets hold of the wheat plant, enters into its very life-blood and starts its work or corruption. It pushes up to the light within the very fibre is safer than sowing two bushels.

Hon. Mr. Motherwell encouraged the farmers to

be raised so as to develop at the proper age with But allowance must be made for drought following means of beautifying farm homes on the prairie a good constitution and not ruined by over- seeding. This makes it prudent to sow from two to As well as being shelter, a well cultivated tree-belt feeding, but fed enough to develop strong, healthy four inches. At the same time it was emphasized is a good fire-guard. The advice given was that a feeding, but fed enough to develop strong, healthy cows. By good care and feeding a man reaps what he has sown.

The same time it was emphasized is a good ine-guard. The advice given that the shallower sowing, if moisture conditions are shelter-belt should be planned with a view to future good immediately after seeding, hastens maturity needs. Most are made too small. Five or good immediately after seeding, hastens maturity needs. Most are made too small. Five old are an area from three days to a week or more. The seed sowed would in time be found to be not large an area. only an inch deep is near the warmth of the sun's to have protected by a shelter-belt. It must eventurays, and germinates quickly if the soil is moist. It ally accommodate an extensive garden, lawns, yards

The advantages of parent kernel, and the chances are good for further rural telephones, especially to the women of the vigorous growth. Seed sown at a depth of six inches farms were spoken of, and the importance all-round is too far from the warmth of the sun—and although of farmers installing rural telephone systems as soon in moist soil, the lack of warmth delays germination. as possible was urged. The necessity of more at-Even after germination the plant has a long way to tention to stock-raising was touched on, especially go before it reaches the surface. Its nature compels the breeding of enough farm-horses for one's own

when parliament convened. The budget is assured of passage in both commons and lords, and as soon as it is disposed of, which will be before April 27, the government will introduce legislation to curb the ords' veto power.

* * *

A Montreal despatch says that Sir Wm. Macdonald, the millionaire tobacco manufacturer and noted philanthropist, recently moved from small and and a half inches is deep enough to sow any grain.

* * *

The budget is assured to those of the stocky, shallow-sown brother. And as if all these handicaps were not enough, the deep-sown seed is up against a fight with smut that the shallow-sown knows little about. Investigation shows that smut germinates better five or six inches down in the cold, dark, moist soil, than in the light and warmth only an inch below the ground.

The conclusion reached was that if the soil is moist and well cultivated, from an inch and a half to two and a half inches is deep enough to sow any grain, and much-needed advice was again urged, i.e., to harrow thoroughly as you plow. harrow thoroughly as you plow.

The gains of spring-plowing were clearly shown. The soil is moist, the stubble, even if not burnt (though burning was advised) is usually more easily reduced than in the fall, and a third of the harrowing will get better results than harrowing after fall-Great emphasis was placed on the necesplowing. sity for harrowing at least the same day as you plow if you can't follow the plow immediately with the harrows. The moisture that evaporates from an acre of freshly-plowed, moist land on a dry, windy day is appalling. This may mean many bushels of grain less per acre. We must prevent this wasteful evaporation by thorough cultivation immediately after plowing. No special form of land-packer was recommended

The question was asked Mr. Motherwell: "Will katchewan department of agriculture, under the stubble lands he grain would stool. It is because not a heavy drag-harrow do all a packer can?"

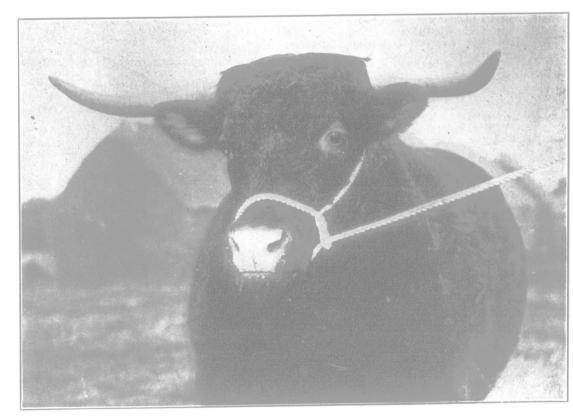
Hon. Mr. Motherwell replied: "I will admit that there is not enough moisture that it does not stool.

Hon. Mr. Motherwell replied: "I will admit that there is not enough moisture that it does not stool." I have not a packer on my farm, but I use the harrows unmercifully. They accomplish the two-fold object so much desired, viz., that of packing the sub-

THE SMUT PROBLEM.

As important a thing as any treated of was "smut." The investigations of the chemical laboratory prove that each of the myriad specks of dust in a single smut-ball is a complete organism in itself, and able to grow like any other plant. If one tiny speck of smut goes into the ground with a wheat grain the

(Continued on page 643).



DEVON STEER OWNED BY HIS MAJESTY THE KING, CHAMPION AT THE SMITHFIELD SHOW LAST YEAR.

The crop situation in America is unchanged since last report. The severe storm of sleet and snow followed by low temperatures, which broke over the Northwest towards the close of the previous week, is not believed to have done any serious harm, except to such crops as were above ground in some ever all advices agree that prospects are bright.

movements of the week, and profit taking was the

are going to strengthen the wheat situation, and the Toronto states that unfavorable weather has hamperoutlook in Europe, considered from any standpoint, ed trade in spring lines, but that building material can be construed in no way but bearish. Despite some strengthening in values towards the close of the week, due to a concerted bull campaign, the market shows no symptoms of sensitiveness to bull efforts, and it is probable that, in the course of the present work. Mon. Tues. Wed. Thurs. Fri. Sat. week, bear sentiment on the part of the buying public and bear activity on the part of those who are speculating on the selling side, will reduce prices still

In live stock markets high prices are maintained Cattle and hogs in Winnipeg are at figures that tend to make farmers wish they had retained animals that were rushed to market in an unfinished condition.

GRAIN

Wheat opened with a sharp decline in prices. Bullish news in plenty there was to stimulate buying. A second winter had broken over the Canadian and American spring wheat country and reports of rain and flood were on hand from the winter wheat country, but there was apparently abundance of wheat for sale and all world's markets reacted strongly. The close of the week however saw a slight advance

Russian shipments were again away ahead of the week before and more than double what they were a year ago. Other shippers were about in the same volume as the preceding week and the total about one hundred per cent. better than the same week in 1909. Canadian visible was half a million bushels less than a week ago and two and a quarter millions better than a year ago.

CANADIAN VISIBLE.

Canadi	an— La	st week	. Previ	ous week.	Last year
Wheat .		9,626	,926 10	0.285.172	8,371,58
Oats		. 6,424	,812 (5.872.900	3.794.66
Barley .		. 898	,494	937.632	462.468
Total	wheat in	store,	Fort	William	and Por
Arthur,	on April	15, 19	10, w	as 7.376.	661.10. a
against	7,232,483.	40 last	week	. and 7	670.571.30

587,564, last year 618,948. WORLD'S SHIPMENTS.

American ,1,728,0	000 1,800,000	1,664,000
Russian 5,696,		2,056,000
Danube 504,	000 416,000	424,000
India 440,	000 400,000	312,000
Argentine 2,152,	000 2,304,000	2,344,000
Australia 1,438,	000 1,896,000	168 000
Austria-Hungaria		40,000
Chili, N. Af 392.	000 360.000	40.000

Total wheat taken by continental countries, normal figures. 5,680,000, last week 4,568,000, last year 3,928,000. Floating quantities of wheat and flour 50,760,000, last week 51,272,000, last year 43,648,000. Decrease 512,000. Corn 4,193,000, last week 4,111,000, last year 6,232,000. Increase 82,000 last year 6,232,000. Increase 82,000.

WORLD'S CROPS.

reports are generally favorable. In Great Britain the outlook is considered to have improved. French reports are optimistic: the Rus Choice export steers, freight assumed \$5.50 to \$5.75 improved. French reports are optimistic; the Russian outlook on the whole is favorable, rains having helped the growing crop and conditions in all the southern provinces are regarded favorably. Other

European countries report in similar tone.

Modern Miller, under date of April 22, says that the crop outlook is bullish. Favorable crop prospects

Medium-mixe medium-mixe wheat countries medium-mixes are regarded lavorably.

Good butches deduction of the winter wheat countries medium-mixes are regarded lavorably. are reported from most of the winter wheat country, notably the soft winter wheat sections. There are, however, increasing claims that the crop is not holding its own, the plant not showing the vitality needed to forward seasonable growth. Insect life is more evident than usual, chinch bugs being reported in many localities, and also flies.

Australian wheat shipments were 1,320,000 vs. 1,536,000 previous week, and 831,000 last year. Indian slapments 976,000 previous week 440,000,

last year 200,000.

Broomhall predicts that the shipments next week from India will be 101,000 (this quantity to be

from India will be 104,000 (this quantity to be shipped from the port of Kurrachee).

Wheat, including flour, exports from the United States and Canada for the week ending April 21, as reported by telegraph to Bradstreet's aggregate 1,289,272 bushels, against 1,836,266 bushels the previous week, and 1,585,578 bushels this week last year.

Trade in Canada displays some little irregularity.

American markets were active on the fluctuating better orders, that conditions in the wholesale dry goods trade have improved and that favorable condiorder. Reports do not, however, indicate that a keen demand exists for actual wheat. American millers report difficulty in getting flour orders, the sentiment of the entire country being apparently in favor of lower wheat prices.

It is difficult to see how conditions on this continent. It is difficult to see how conditions on this continent City collections are satisfactory. Retail trade is good.

Wheat.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	
April	100%	100	1005	$100^{\frac{3}{4}}$	101	1011	
May	100 \$	$100\frac{1}{8}$	1001	$100\frac{3}{4}$	1011	$101\frac{1}{8}$	
July	1013	1011	$101\frac{3}{4}$	$101\frac{3}{4}$	1021	1021	
October	1937			94	94	95	
Oats—	0	0					
April	$33\frac{3}{4}$	34	34	$33\frac{7}{8}$	333	341	
May	341	34%	341	341	34	33 j	
July	35%						
Flax—		0	0	4			
April	211	211	211	212	212	212	
May	214		2141		214	215	
October	165				165		
		CACI	I DDIC	E.C.			
****	3.5	CASI			70 .		
Wheat—		Tues.	Wed.	Thurs.		Sat.	
Wheat— No. 1 Nor.	$100\frac{1}{2}$	Tues.	$_{100\frac{1}{2}}^{\mathrm{Wed.}}$	Thurs. 1003	1011	$101\frac{1}{4}$	
	$100\frac{1}{2}$	Tues.	$_{100\frac{1}{2}}^{\mathrm{Wed.}}$	Thurs.		$101\frac{1}{4}$	
No. 1 Nor	$\frac{100\frac{1}{2}}{98\frac{1}{2}}$	Tues.	Wed. 100½ 98¾	Thurs. 100 ³ / ₄ 98 ³ / ₂ 97	1011	101 1 99 1	
No. 1 Nor No. 2 Nor .	$ \begin{array}{r} 100\frac{1}{2} \\ 98\frac{1}{2} \\ 96\frac{1}{2} \end{array} $	Tues. 100 98½ 96¾	Wed. 100½ 98¾	Thurs. 100 ³ / ₄ 98 ³ / ₂ 97	$101\frac{1}{99\frac{1}{4}}$	101½ 99½ 97½	
No. 1 Nor No. 2 Nor . No. 3 Nor No. 4 Nor	$ \begin{array}{r} 100\frac{1}{2} \\ 98\frac{1}{2} \\ 96\frac{1}{2} \\ 93 \end{array} $	Tues. 100 98½ 96¾ 93	Wed. 100½ 98¾ 97 93	Thurs. 1003 983 97 931	101‡ 99‡ 97± 93¾	101 1 99 1 97 1 93 5	
No. 1 Nor No. 2 Nor . No. 3 Nor No. 4 Nor Rej. 1, 1 Nor.	100½ 98½ 96½ 93 96½	Tues. 100 98½ 96¾ 93 96	Wed. 100½ 98¾ 97 93 96½	Thurs. $100\frac{3}{4}$ $98\frac{3}{4}$ 97 $93\frac{1}{4}$ $96\frac{1}{2}$	101½ 99½ 97½ 93¾ 97	101½ 99½ 97½ 93§ 97	
No. 1 Nor No. 2 Nor . No. 3 Nor No. 4 Nor Rej. 1, 1 Nor. Rej. 1, 2 Nor.	$ \begin{array}{r} 100\frac{1}{2} \\ 98\frac{1}{2} \\ 96\frac{1}{2} \\ 93 \\ 96\frac{1}{2} \\ 95\frac{1}{2} \end{array} $	Tues. 100 98½ 96¾ 93 96 95	Wed. 100½ 98¾ 97 93 96½ 95	Thurs. 100\frac{3}{4} 98\frac{3}{4} 97 93\frac{1}{4} 96\frac{1}{2} 95 95	101½ 99½ 97½ 93¾ 97 95½	101½ 99½ 97½ 93½ 97 95½	
No. 1 Nor No. 2 Nor . No. 3 Nor No. 4 Nor Rej. 1, 1 Nor. Rej. 1, 2 Nor. Rej. 2, 1 Nor.	100½ 98½ 96½ 93 96½ 95½	Tues. 100 981 963 93 96 95	Wed. 100½ 98¾ 97 93 96½ 95 95	Thurs. 100¾ 98¾ 97 93¼ 96½ 95 95	101½ 99½ 97½ 93¾ 97 95½ 95½	101½ 99½ 97½ 93½ 97 95½ 95½	
No. 1 Nor. No. 2 Nor No. 3 Nor. No. 4 Nor. Rej. 1, 1 Nor. Rej. 2, 1 Nor. Rej. 2, 2 Nor.	100½ 98½ 96½ 93 96½ 95½	Tues. 100 98½ 96¾ 93 96 95	Wed. 100½ 98¾ 97 93 96½ 95 95	Thurs. 100¾ 98¾ 97 93¼ 96½ 95 95	101½ 99½ 97½ 93¾ 97 95½ 95½	101½ 99½ 97½ 93½ 97 95½ 95½	
No. 1 Nor. No. 2 Nor No. 3 Nor. No. 4 Nor. Rej. 1, 1 Nor. Rej. 2, 1 Nor. Rej. 2, 2 Nor. Rej. 2, 2 Nor. Rej. 1 Nor,	$ \begin{array}{c} 100\frac{1}{2} \\ 98\frac{1}{2} \\ 96\frac{1}{2} \\ 93 \\ 96\frac{1}{2} \\ 95\frac{1}{2} \\ \\ 94 \end{array} $	Tues. 100 98½ 96¾ 93 96 95 93½	Wed. 100½ 98¾ 97 93 96½ 95 95 93½	Thurs. 1003 983 97 931 962 95 95 931	101½ 99½ 97½ 93¾ 97 95½ 95½ 94	$ \begin{array}{c} 101\frac{1}{4} \\ 99\frac{1}{4} \\ 97\frac{1}{2} \\ 93\frac{1}{8} \\ 97 \\ 95\frac{1}{2} \\ 94 \end{array} $	
No. 1 Nor. No. 2 Nor No. 3 Nor. No. 4 Nor. Rej. 1, 1 Nor. Rej. 2, 1 Nor. Rej. 2, 2 Nor.	$ \begin{array}{c} 100\frac{1}{2} \\ 98\frac{1}{2} \\ 96\frac{1}{2} \\ 93 \\ 96\frac{1}{2} \\ 95\frac{1}{2} \\ \\ 94 \end{array} $	Tues. 100 981 963 93 96 95	Wed. 100½ 98¾ 97 93 96½ 95 95	Thurs. 1003 983 97 931 962 95 95 931	101½ 99½ 97½ 93¾ 97 95½ 95½	$ \begin{array}{c} 101\frac{1}{4} \\ 99\frac{1}{4} \\ 97\frac{1}{2} \\ 93\frac{1}{8} \\ 97 \\ 95\frac{1}{2} \\ 94 \end{array} $	

LIVE STOCK

44

44

44

44

44

No. 2 white

No. 4'.

Barley-

Prices for live stock in Winnipeg are attracting interest from all sides. Hogs stand firm at \$10.50, although some predict a decline this week. Howagainst 7,232,483.40 last week, and 7,670,571.30 ever, supply and demand do not warrant such pre-last year. Total shipments for the week were diction. Cattle also bring encouraging prices. Early last week a choice lot brought \$6.00, while on Wednesday, \$6.25 was paid. The average figure, however, is around \$5.00. Bulls brought as high as an item for \$500,000 for construction work of the \$4.75, although some big rough fellows went as low as Hudson's Bay Railway. 00 \$3.50.

At Toronto, early in the week butchers' stock ran up to \$7.00 to \$7.50. On the whole, however, the advance is only slight, both in Toronto and Chicago. 00 Hog quotations at Chicago stand down around \$9.00 to \$9.15, and at Toronto also they are below the \$10.00 mark. The general outlook is for continual high spike.

MARKET QUOTATIONS

Receipts of cattle for the past week were fairly liberal, with quality fair to good. The market was ceipts were fairly liberal; market active, steady at prevailing quotations. Practically no sheep or lambs are arriving. Very few calves were offered, and quality common. strong this week on all classes of cattle. Hog re-

The state of the s	CIBILL	assumed.	QU. UU	U	QU. 10
Good " "	4.6	4.4	5.25	to	5.50
Choice export heifers,	6.6	4.4	5.25	to	5.50
Choice butcher steers	and h	eifers, de-			
livered			5.25	to	5.75
Good butcher cows an	d hei	fers	4.50	to	5 00
Medium-mixed butche	r catt	le	3.50	to	4 00
C1					

REPRESENTATIVE PURCHASES

No.	Но	gs.							A	1	76	3	Weight.
372	Mediu	m hog	S										211
41	11												209
170	3.4	4.4											208
4	70												205
1													340
();	ittle.												550
	Steers	and c	at	tl	e								1124
9		34.45											903
59		4.4											1077
17			4.0										945
3			4.4										1325

Lambs

Sheep

Medium Calves

6	1.6						**	×.											1104			5.25	
2	4. 6.						1												1325				
)	6.6						1												1008			00.	
1	Cow																					1.50	
7	COW																		1325		- 5	.25	í
3																			1093		4	.75	
3	4.4																		1120		4	1.00	
3	Bulls																		1383			5.50	
1	4.4																		1275				
1	4.6																		10			.25	
1	Line !	ď.	þ	-1	ĺ.	1	ď	á	60			8	ď	1	ğ	6	K,	0	a1850	1.00%	É	00.00	ĺ
I																			1920		- 4	.75	
1	4.6																		1050		4	.25	
2	6.6																		1193			1.00	
2	Calve	~																	150				
1	Carve;	0																				00.	
I																			185		- 4	1.75	i
5	4.4																		184		- 4	1.50	i
3	4. 6.																		200			1.00	

CALGARY

Increased shipments arrived at the Calgary stock yards during the past week or two, a number of good butchers' cattle coming in. The northern branch lines have brought down a number of good cattle. Steers sell, per lb., $4\frac{3}{4}$ c. to 5c.; cows, per lb., $3\frac{1}{4}$ c. to 4c.; hogs, per lb., $9\frac{1}{2}$ c.; sheep, per lb. $5\frac{1}{2}$ c. to 6c.

TORONTO

Quotations at Toronto last week were: Exporters, \$6.70 to \$7.35; prime butchers, \$6.50 to \$7.30; common, \$5.90 to \$6.50; stockers and feeders, \$4.25 to \$6.00; cows, \$4.75 to \$6.20; calves, \$5.50 sheep, \$6.00 to \$7.00; rams, \$5.00 to \$6.00; lambs, \$4.00 to \$8.50 each; hogs, select, fed and watered, \$9.35, and, f.o.b. country points,

CHICAGO

Following are the prevailing prices for live stock at Chicago: Prime steers, \$8.25 to \$8.60; choice heifers, \$6.65 to \$7.50; select feeders, \$6.50 to \$7.00; cows, \$5.75 to \$7.25; choice calves, \$7.75 to \$8.40; hogs, heavy, \$9.40 to \$9.50; light, mixed, \$9.20 to \$9.25; pigs, \$8.70 to \$9.00; choice lambs, \$9.20 to \$9.60; wethers, \$7.75 to \$8.15; yearlings, \$7.90 to \$8.35; ewes, \$7.40 to \$7.75.

BRITISH

Latest cables from England show that cattle prices hold firm with a tendency to advance. Figures quoted are: Canadians, 14½c. to 15¼c.; Americans, 15c. to $15\frac{1}{2}$ c.

Events of the Week

Samuel L. Clemens (Mark Twain), the leading American humorist of the century, died on April 21. at the age of 75 years.

A by-law was carried in Moose Jaw last week grant ing to an Ottawa syndicate a franchise for the building and operating of a street car system in the city.

the \$10.00 mark. The general outlook is for con-12,488,000 10,992,000 7,048,000 tinued high prices, though not up to the present ab-aken by continental countries, normal figures.

4,568,000, last year 3,928,000.

The \$10.00 mark. The general outlook is for con-tinued high prices, though not up to the present ab-normal figures.

Gold was discovered last week at the mouth of the Salmon River, Alaska, and a small-sized rush to the new diggings was in order. The find is reported to be exceptionally rich.

The playing schedule of the Western baseball league was announced last week. The series calls

The first appointment in the Canadian navy was made the other day when commander W. B. McDonald, son of Senator W. J. McDonald, of Vancouver, was appointed to command H.M.S. Niobe, recently acquired by the Dominion.

3.50 to 4.00 Much regret is expressed in English sporting cir-9.75 to 10.00 cles over the defeat of the King's colt, Minoru, in the 6.00 to 6.50 city and suburban race. Minoru was the Derby 5.00 to 5.50 winner of 1909 and the favorite for this race. A 4.00 to 4.50 rank outsider at 25 to 1 outdistanced the field and 2.50 to 3.00 romped home a winner the rest being merely a 2.50 to 3.00 romped home a winner, the rest being merely a bunch of also rans.

> The Grand Trunk Pacific gave orders the other day \$10.65 for box cars, for delivery on its Western lines next 10.60 fall, that will be the largest ever seen in the West. 10.00 fall, that will be the largest ever seen in the West.
> 10.50 These cars will have a carrying capacity of 100,000
> 10.25 pounds. The largest box cars of the C. P. R. cars
> 9.00 80,000 pounds normal, but when necessary these
> 8.50 cars can be loaded up to 88,000 pounds with perfect
> safety. The large grain cars are of steel frame
> \$6.00 construction and will be used for the handling of grain
> 5.75 from points in the West to the head of the lakes and 5.75 from points in the West to the head of the lakes and 5.50 from lake ports in the east to tide water. Twenty 5.67½ such cars will be capable of carrying a load of a thousand tons.

'ounded 1866

4.75

4.00 5.00

4.50

4.00 algary stock nber of good nern branch good cattle. lb., 3½c. to

0 to \$7.30; nd feeders alves, \$5.50 ns, \$5.00 to , select, fed itry points,

or live stock 3.60: choice 50 to \$7.00 75 to \$8.40; bs, \$9.20 to gs, \$7.90 to

that cattle ce. Figures Americans,

the leading on April 21

vork of the week grant

st week was

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reported to

rn baseball series calls tinuing till

McDonald, couver, was ecently ac-

porting cirnoru, in the the Derby field and merely a

e other day lines next the West. of 100,000 P. R. carry sary these ith perfect teel frame ing of grain lakes and Twenty load of a

HOMME CIOUNTANEAL

People and Things

of his respect for others.

Franz Hals' "Portrait of a woman," which C. Frick, the Pittsburg iron master.

Thaddeus W. Tyler, the original "village smithy" is dead at Lynn, Mass. It was while watching him at work over his forge and anvil, that Longfellow was inspired to write: "Under the spreading chestnut tree the village smithy stands."

Miss Elizabeth M. Dare, of Bowshot Farm, England, has won more than one hundred prizes, medals and certificates for her butter making. She won the silver medal for milking at the recent Bath and Southern Counties Show, in a contest open to farmers' wives and daughters throughout the kingdom.

* * *

The sword of Oliver Cromwell was the most important sale at the Yerkes mansion, where the American Art Association disposed of the last of the household belongings, and went to E. H. Lithfield, of Brooklyn, for \$1,500. It was formerly in the Warwickshire Museum. It is cast with medallions, the pommel corresponding. The broad blade is panelled, and bears the arms and motto of the Commonwealth.

The contract for the Laura Secord monument has been awarded to James Munro, of St. Catharines, Ont. It will be a square block of marble twelve feet high, with a seven-foot square base carved liberally with maple leaves, and bearing a bronze medallion of the "heroine." The cost is \$2,000. A year is given in which to complete the work. The memorial will be placed at Queenston Heights, within a few feet of General Brock's monument.

Saleswomen throughout the United States have been sending congratulations to B. F. Hamilton, of Saco, Me., who has just attained his ninety-first birthday. Mr. Hamilton was the first merchant to employ saleswomen and such publicity as behind a counter for the pur-unless they can read and write. pose of selling goods.

of the Grand Trunk on their Canadian tour. the brush was dipped in paint of another color, so big an undertaking.

the World Over modeling their hotel and saloon regulations to The "completed canvas was entitled bring them into complete accord with both the sun went down beneath the Adriatic," sent A man's conduct toward others is determined law. The law aims particularly at prohibition commissioner of oaths was present at the paintby his respect for himself, not his respect for of liquor being supplied to drunkards, or to ing of the "picture" in order to be able to attest them. His respect for himself is the measure those who by their indulgence in drink either to the manner in which it was prepared. His or waste or lessen their own estates. All liquor agers of the exhibition are furious. selling is prohibited after 11 p.m. daily, and from that hour on Saturdays until 5 o'clock Monday brought the record price of \$137,000 at the recent mornings. Restaurants are no longer to be per-Yerkes art sale, has been purchased by Henry mitted to sell liquor with meals during closed hours for hotel bars, and no boxes are permissible hereafter in restaurants or cafes.

WHAT OUR LORD WROTE IN THE DUST

We have saved the soul of the man that killed,

We have turned to shrive the thief: We restored the pride of the man that

And we gave him our belief; But for her that fell have we fashioned

With a faith all stern and just-It was so of old; and no man has told What our Lord wrote in the dust. We have sighed betimes for our brothers' crimes

And have bade them be of cheer, For the flesh is weak, and the soul grown meek

May yet read its title clear. But we draw away from the one astray As the truly righteous must. She is cursed, indeed!—and we did not read

What our Lord wrote in the dust. For the men who thieved, and who killed and lied-

Who have slain the woman's soul-We have worked and prayed, and have seen them made

All clean and all pure and whole. But we drive her out with a righteous

In our Pharisaic trust. So the man goes free-but we do not

What our Lord wrote in the dust. -Chicago Evening Post.

of the Catholic Church in England. While in placed near by. Then a donkey was brought with the principles of which they are inconthe invitation extended by President Chas, which brandished its tail violently—and the time could not have been given for the experi-

Yielding to popular sentiment, virtually all and the process was repeated until the canvas the cities and towns of British Columbia are re- had been covered with weird color mixtures. spirit and the letter of the new provinical license to the exhibition, and promptly accepted. A distress their families, deprive them of comforts, affidavit has now been published, and the man-

Mothers' Day

For some years in the United States the second Sunday in May has been observed in a special manner as Mothers' Day, and last year for the first time in Canada. The idea is a beautiful one and the manner of celebrating it simple and within the possibilities of any community. We hear much of the honor and dignity of motherhood and we have seen more of the unselfish ness and self-sacrifice of mothers, but until now no one has thought to set aside a day for commemorating the authors of this great and uplifting influence. In a country community, the day may be observed by having a sermon and music in the church service bearing upon The Mothers. Care can be taken that the shutin mothers are remembered in some way, and the aged and weak brought to the service if possible. But in more districts in Western Canada than perhaps in any other part of the world at the present time are found men and women who are separated from the good motherthousands of miles, or perhaps the ocean itself between them and her. She can be reached by a letter between now and the second Sunday in May. Perhaps it is a good many weeks since she had a letter from her son or daughter in Canada, and she has grown heartsick waiting for the message that neglect has kept her from

Celebrate Mothers' Day by writing her a big 'gossipy" letter-all about yourself and your hopes and plans. Nobody else can be as interested in the minute details of your affairs as she is and will be to the day of her death. Write now.

Not a Fair Trial

About a year ago Sir Christopher Furness devised a method of working whereby the shipyard of Furness, Withy & Co., at Hartlepool, England, was to be run on co-operative lines. The employees to whom the offer was made accepted co-partnership conditionally The prowas that the workmen should receive nine per cent. interest annually on any sums A bill providing for shorter hours for women however small that they invested in the business the people of this town, men and women, boy- and children who work in the cotton and woollen in addition to the regular wage. They agreed cotted his store in consequence. Many of the mills of the province of Quebec has been in-never to go on strike, but to settle disputes leading church women called on him personally troduced. It proposes 58 instead of the present through the medium of a council composed of and remonstrated earnestly against what they 60 hours of toil per week, and will prevent representatives chosen from the management called the sin of placing women in a position of children between 14 and 16 working in factories and the working staff. Now at the end of the year the employees, strange to say, are the dissatisfied ones. They complain that some of A picture "painted" by a donkey has been their expectations have not been realized. But His Grace, the Archbishop of Westminster, shown at the Paris Salon des Independants, an the chief grounds for objection are brought head of the Roman Catholic Church in Great exhibition which makes it a rule to accept every forward by the leaders of the labor unions to Britain, and suite have signified their intention canvas sent in. Some students concocted the which the men belong. They do not say that of attending the Eucharistic Congress, that will joke at a Montmartre cafe in consequence of the men are being unjustly treated or that the be held in Montreal next September. It is a bet that it would be impossible to hoax the scheme is too favorable to the employers, but probable that His Grace will be accompanied managers of the exhibition. An easel and a offer this as a reasonable excuse that, "such by the Duke of Norfolk, the leading lay head canvas were set up and a number of pots of paint profit-sharing systems break up trade unions, Canada this distinguished party will visit Ot- in, a brush was attached to its tail and dipped sistent." It would seem that the workman tawa, Toronto, Hamilton, Niagara Falls and into a paint pot. The brush was placed on the was made for the union, not the union for the other important places. His Grace has accepted canvas, and one of the students beat the donkey, workman. But it seems a pity that a longer M. Hays, for himself and suite to be the guests groundwork of the picture was completed. Then ment. A year is but a short period of trial for

Hope's Quiet Hour

THE VISION DRAWS US NEAR OUR, "Dear hands, unclasped from ours, are

Dora Farncomb.)

To walk with God, means to walk also close to our nearest and dearest friends. I don't believe He ever intends to separate friends, though He often removes them from sight. really walk with God is to be one with Him, and to feel His Life in every part of our being. Then we can, in Him, reach out at any moment and touch the heart or hand of one we love, and who is also one with Him. "In Christ, His chosen ones are near each other, though continents and oceans may divide them," and even Death the Great Divider—has been robbed of his terrors. Christ has conquered him and has a right to say, "If a man keeps My saying, he shall never see death." As our Living Head is very really on this side of the Veil, as well as on the other side, to be one with Him to Him and near to His friends. means that we, too, are on the other side as well as on this.

"Christ with him, and Christ with me, And so together still are we.

Even when they were visibly beside us, it was really the soul rather than the body that we reached out to touch, in the gladness of holy fellowship. If love were dead, what possible satisfaction could there be in such outward signs of 'the sacrament of friendship' as the clasp of a hand or the sight of a face. It would give pain instead of joy to have the outward sign, if the inward grace were absent. And it is a truism that the real person is always out of sight—as regards our bodily sight—and can only be seen and touched by spiritual

"I have not seen thee, though mine eyes Hold now the image of thy face; In vain, through form, I strive to trace

The soul I love : that deeper lies."

Those who walk with eyes lifted to their dear Master's face, find that the hearts and spirits of their friends—who are like-minded—are mysteriously linked with their own. Our nearest and dearest are always beside us. Reaching up to God continually, for us, they pour new strength and joy into our lives. We rest confidently on their love, and walk always side by side with them in the sweetness of real fellowship. If you know the joy of having friends who are drawing you ever higher into clearer fellowship with the Friend whose love "passeth knowledge," then keep fast hold of these messengers from God. cultivating selfishness instead of friendship. Give strong love and earnest ship may demand. But, if you have a friend who is like Christ, and who is a very small thing when hearts are bear to hurt Him by any rude or irrione. "We have for ever," there is no table word or look?

In very truth apart.

of the worth or friendship; but, if the hearts are loyal and true, any outward parting can only serve to draw them closer together. The little irritating faults, which spoiled the perfect beauty of fellowship, fade into insignificance our souls at their highest and best, can their highest and best. The living links which bind their hearts to ours, grow stronger day by day We contain the souls at with gilt lettering. Sent postpaid for one dollar by The Farmer's Advocate.

One reader of The Advocate. We can rejoice in concerning it stronger day by day. bright, ever-growing beauty; the desire to keep up with them, in their upward climb, fills each day with interest; and we learn to give thanks—for them as well as for ourselves-for God's refining pain which keeps us always near

The Vision of His Face helps us to reading it. I give this one to my overcome evil with good, and be loving daughter, then I want six more (money and gentle even to those who are uneclosed), as I have seven children. or unattractive. When we feel hurt at some unkindness, we can look

possible best which is not yet ours. Inspir-tackle our difficulty, and desire ed by their trust, we reach out after the is half the victory. Remember ed by their trust, we reach out after the is

is little fear they will fail us. What wall. A prisoner sometimes works we give in good measure will be renhis way through a stone wall with the dered back richly and generously. If help of a nail. His strong desire to get

One friend in that path shall be, To secure my steps from wrong; Distance or death will be a stern test One to count night day for me. Patient through the watches long, Serving most with none to see."

THE VISION OF HIS FACE

ters (224 pages). It is bound in cloth, One reader of The Advocate wrote ing an account of the deluge. The

"The book arrived Friday. I read the preface and introduction Saturday morning, and said to my daughter: 'How remarkable! That is just my ex-Well, I have read ten chapperience. ters, and I must say that I think it is better, fuller, richer than I expected. I am pleased, edified and comforted in

"Your brother in Family of Christ.

the best that is in us, but also an ideal, desire to get there arouses our courage to ideal holiness which they desire for us. that with a chisel and a hammer leal holiness which they desire for us. that will get through a solid brick little fear they will fail us. What wall. A prisoner sometimes works FELLOWS

clasping Thee;

We give our friends love and prayers to out, in connection with the faith in help them on their way, they will not his power, to do so, did it. Don't look fail to entreat God for our perfecting:

In very truth apart.

In strong desire to get we give our friends love and prayers to help them on their way, they will not his power, to do so, did it. Don't look at your goal, and remember that "you can."

Prof. Herman V. Hilbrecht, of the University of Pennsylvania, whose researches at Babylon and Nippur were This book—by the author of "Hope's the subject of attack by Rev. Dr. John Quiet Hour"—contains eighteen chap-P. Peters, of New York, but who was P. Peters, of New York, but who was vindicated by the university, has just deciphered the fragment of a tablet beartablet was found in 1899, in the lowest strate of the oldest part of the ruins of the temple Library of Nippur. It is of unbaked clay and measures 23 inches at its greatest width and 2% inches at its greatest length.

Prof. Hilbrecht has just made public his translation: "(I declare unto) thee that the confines of heaven I will loosen, a deluge I will make and it shall sweep away all men together; but thou (the Babylonian Noah) seek life before the deluge cometh forth;



THE NARROWS BETWEEN THE WATERTOWN LAKES

Our Elder Brother warns us that if is helping you to grow like Christ, never we wish to come to Him for daily bread. let him "slip unawares" out of your life if we wish to retain the power of seeing -though it may cost you all you have, His Face, we must not be satisfied to even to life itself, to hold fast to him. come alone. We must earnestly try to For such a friendship is eternal in its bring our brothers nearer to Him. Pressnature. Though you may be far apart ing close to our Elder Brother, we disin body, prayer can keep you always cover that all who are near of kin to close to a friend; and a bodily parting Him are our brothers too. How can we

The best way of teaching those who are "on the other side of Christ," is to minister to Him through His "brethren," who are still visibly near us. And gloomy service is hardly worth offering

The best way of teaching those who in body. We can touch their hands, as get into it deeper and deeper, till at we are sure there is no way out of the who are still visibly near us. And gloomy service is hardly worth offering the weak of their perfection.

The friends who is the other and the body. We can touch their hands, as get into it deeper and deeper, till at we are sure there is no way out of it.

So far we have done nothing but look at our trouble and hold up our hands are "The friends who in the other hands, as get into it deeper and deeper, till at we are sure there is no way out of it.

up to Christ and see how lovingly He is regarding the soul that seems so unattractive in our eyes. He wants to see it grow daily more beautiful; He is carefully perfecting it. When we he is carefully perfecting it. When we realize that truth the coldness of our There is a great deal of matter written saved of life. fast hold of these messengers from God. Such a friendship is not an easy thing to hold, for true love must always include sacrifice. If you are trying to take all and give little, then you are cultivating selfishness instead of friendhurt our feelings, we must love him soul I want to wake you up. We are stead of a number . . . and the famtoo.

all more or less liable to feel a little ily . . ."

discouraged at times. It is an easy The Semitic dialect inscription and matter to be brave and full of hope certain grammatical peculiarities when things go right, but when things the text show, according to Prof. Hilgo a little wrong, we are liable to brecht, that it was written between weaken a little in faith and lose heart. 2137 and 2005 B.C. The King James But the reason we get downhearted version of the Bible gives the date of is not because of the difficulties that the flood as 2448 B.C. The oldest tabe embarrass us, but because of our lack of faith. Peter lost faith in his own powers when he saw the big wave coming towards him. A few words tablet of 650 B.C., now in the British of encouragement helped this man museum over the short distance. Do not let us hurry. God's best gifts go on ripen-ing through all eternity. Those whom and hearts are linked with ours in the Like the bird that is hypnotized by the God hath joined together, in holiest friendship, can never be parted by distance or death; so long as each is we are alone in the quiet hours of the communion we are alone in the quiet hours of the stouble. It grows larger and larg night, though they may be far away (only in our mind, however), and we last we are sure there is no way out of of warning. This God excused his be-

let heretofore known containing an account of the flood was the Layard

The Layard tablet was a pagan story of a deluge brought about at a Council of the Gods who decided to destroy mankind. One of the Gods was moved to save his protege-the Noah of the story—and sent a dream trayal of the secret to the other degloomy service is hardly worth offering or accepting. If you can't realize anything of the joy of Paradise, if you find it impossible to share in the blessedness of those who are worshipping God face to face, then pray earnestly that your eves may be opened.

The friends who in utter helplessness. Fear has parally allyzed us. When we cease looking at our trouble, and look at our surroundings, our trouble soon dwindles down to its normal size. When we see the clear path beyond our trouble the this dream was thus conveyed. ities by the explanation that he had

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FRUIT SCENE EIGHT MILES FROM CRANBROOK, B. C.

The Ingle Nook

INGLE NOOK NEWS NOTE

The only children now left in the shelter at Regina are Freddie, aged three, and Teddy, aged nine. The latter is the quiet, studious boy who is very fine in his execution of any piece of work.

WANTS A BOY

Dame Durden: - Could you or any of the members tell me where I can get a boy from twelve to fourteen years old who would help me with the poultry and the chores and make himself generally useful? He would be treated as one of our own, and have a good home. I have two little ones of my own and have more to do than I can

I am enclosing a good recipe for furniture polish: One pint turpentine. l pint water, 2 ounces castile soap, 2 ounces white wax, 2 ounces beeswax. Put the beeswax into the turpentine till dissolved and the white wax and castile soap into the water on the stove till it is dissolved. Then mix all together and shake well in a bottle.

Dear Dame Durden:—So many of summer, I remain sincerely.

Our friends of the Ingle Nook have been "Sevi writing, that it is with rather an accusing nevertheless I have garnered much help and instruction from our corner.

Our friends will be so busy during

Our friends will be so busy during

We have so many girls on our list.

We have so many girls on our list.

like a spring day. The wind is whistling

Have you got your flower beds Violet, Victoria, Yankee Girl, Zephyr. planted, Ingle Nookers? The warm Now, won't you each one write a days which we have just had made one feel like taking the hoe in hand, didn't

furs for a while, and begin making and thinking about our summer dresses! But as a little advice, dear members, don't think too much about your wardrobe. I often think the more we worry and perplex ourselves about our looks and what we are going to wear, the more puzzled we become. Of course it is nothing but natural that we like to look our best, and nothing but natural we should plan and think about our wardrobe, but don't let this occupy all of our thoughts.

No true woman but loves the adjuncts of the toilet table, but is this all? Do these outward signs of refine-(The information about turkey raisment, refine and cleanse within? In many cases they do and I am sorry to say in many they do not. Do not always judge people at first sight. It issue, and others in April 20th. If is almost always the safest plan to you do not get these issues let me know know a person thoroughly before we and I'll see that they are cent to you. and I'll see that they are sent to you, pass judgment on them, In many though I think if you do not get your instances though we need but a glance, "Let me impress upon you

I do not know where you could get a your valuable space, Dame Durden, boy of that age, unless perhaps from so had better draw my letter to a close. the secretary of the Children's Aid How I like to read the letters in our Society, Edmonton. Alta. I wish you nook, and would like to meet you all all good fortune in your search.—D.D.) personally. Well, I must close this rather lengthy epistle, so wishing all A SPECIAL CALL FOR GIRLS. the members a happy and prosperous "SEVENTEEN."

(I think on the very day you wrote conscience I again put in my appearance. It is so long since I have been of the other girls of the Ingle Nook.
here with my pen that doubtless some I wondered if we could not have a
will have forgetter. will have forgotten my old pen name Girls' Day in the Nook—a regular re"Seventeen." My first letter was written out the most have the most but ten over three years ago, so you see I idea of shutting out the mothers, but am a little over seventeen at the present. to give them one issue where they Although I have been a silent member, would be entertained without any ef-

Blue-eyed Yankee, Bridget, Britannia

Now, won't you each one write a delight she brings.

But there is another and practice in the books, clothes hobbies poster. they? And made you feel like renovating everything even down to your last year's summer hat.

How nice it is to be able to doff our Household of the summer had.

How nice it is to be able to doff our Don't wait till the last minute but do accompanist to those who sing and

A CHARMER

When Cleon weds with Phyllis His kinsfolk all aver, We see no charms in Phyllis; Why do you marry her?

I know she is not pretty, And Phyllis knows it too; She's not extremely witty; Her stocking is not blue.

paper regularly now it will be the fault and it suffices.

The bliss that it invokes.

To have a wife that's willing

To have a wife that's willing To giggle at your jokes.

AN OPENING FOR MUSICAL GIRLS

distinction and realfame in the chosen all your heart and mind-rather than profession is very cold comfort to the with your strength—for the people in and ninety-nine have accepted their singing do not consider that your best Our friends will be so busy during the summer, but aren't you glad to have the dear old summer days again? Here are just a few who have joined us, have the dear old summer days again? Hough some of them have written Just at present it doesn't look or feel only once: Amethystis, Alberta B.,

In the first place there is the pleasure Lass, Bronze Crown, Chrysanthemum, that the ordinary—even the mediocre Daisy Bell, Dagmar, Dairymaid, Egyptian Queen, English Manitoban, Exquaintances, especially if she is willing perienced Cook, English Rose, Farmer's to do her best and above all does not liece, Grace S., Gladiola, Heather, have to be coaxed—to need coaxing is Isabel, Inexperienced Girl, Ivy Leaf, a mark of conceit, not modesty. A Irish Girl, Kiddy, Lillian L., Maid girl who has learned to play hymns Marion Madeleine, Maple Leaf, Minnefor grandma, old songs for mother and haha, May Rose, Mother's Helper, marches for father, ragtime and popu-Nan, Norah Killeen, Prairie Maiden, lat airs for brothers and nursery Priscilla, Queen Mab, Seventeen, Teddy, jingles for the little people, is more than

books, clothes, hobbies, poetry, friends, tical form in which she can use that it now, and we'll have a joyful gills' re-union in the issue of June 1st.

Will everyone answer the roll-call and please Dame Durden?)

What this the last limitude but to accompanist to those who saing an accompany play. A player who can accompany or a great singer or a great player. It does not require the great musical ability that is necessary in the other branches of the vocation. What is necessary is an adaptability and an ability to keep the sense of the importance of one's own per-formance in the background. The player of accompaniments must have a musical soul; she must know enough to play correctly, yet not to cling slavishly to the music as written. It is her part to adapt the music before her to the wishes of the singer or player; to follow not to lead, but to follow so closely that the audience cannot detect the order. Haven't you heard a good vocal or violin solo quite spoiled by the accompanist who insisted on thumping at the wrong moment, or who played without any regard to the actions of what was fondly supposed to be chief performer? A poor accompanist has it in her power to spoil the best efforts of a Melba or a Patti; a good one can add very much to the success of even famous singers. Of course, there isn't great notoriety in it, Dear Girls: -I mean just now the but there is a chance for a girl with girls who love music and who are tak-ing lessons. Do you ever feel like giv-and modesty to make good in a line ing it up in disgust, feeling that no matter how hard you try, nor how long pleasant work that is disinctly not you practice you will never be any- overcrowded. And it is work in which thing but an ordinarily good player? Progress can be made without exthousand students of music does attain musical tuition. Play with disappointed. But when the lone one has made a great name as a pianist and the other nine thousand nine hundred the other nine thousand nine hundred if your playing is far better than their singing do not consider that your heat



day, and we have a dandy teacher. His name is Mr. H---. He came from Indiana.

and got a pretty button, so I wanted

them gets up in the morning and makes and a goose, how would he get down the breakfast, and papa helps her, and the other sister stays in bed till breakfast is ready, then papa calls her. Mamma is not very strong, so she does not make breakfast. I wash the breakfast dishes in the morning before I go to school.

REGULAR ATTENDANTS

books? I am very fond of books my- get dried clothes on. When we went self, especially Henty's. I do not care home we stopped and got them, and much for Algers. Have any of you drove on home.

read "Mark Hale, Shoemaker"? It

LOTTIE HOLMES.

HARKIE JOHNSON. FROM SNOWBIRD

A HOOSIER SCHOOLMASTER

Dear Cousin Dorothy:—Hello! here I am again with all the news on the end of my tongue! I go to school every day, and we have a dandy teacher.

Essie, Mary, Ruth and Alick, and my name is Phebe. We had a very mild winter this year. We live twelve miles from Medicine Hat, seven miles from Seven Persons three miles from Seven Persons. Ans.—He would cut down off the goose SNOWBIRD.

A BRAVE MOTHER

Dear Cousin Dorothy :- I have been wanting to write to your paper for a long time, but have not got at it. We live on a farm, four miles west of Olds. I go to school very near every day, and I am in the fourth class. I am going Dear Cousin Dorothy: -My two to tell you a story of one day we went sisters and brothers and myself were fishing. It was a foggy morning and MILK-MAID.

(Did you know that there are four Myrtle Browns in our club?—C. D.)

(Did you know that there are four Myrtle Browns in our club?—C. D.)

(Did you know that there are four Myrtle Browns in our club?—C. D.)

(Did you know that there are four doff fishing again. The boys were play-of the cattle in the winter. I go to the are fond of books? I have just finished reading "In The Wilds of Africa," with me.

(Did you know that there are four down the bank to the edge of the water down the bank to the edge of the wa and my brother went so fast he could ANOTHER HENTY LOVER

Dear Cousin Dorothy:—This is my second letter to the Wigwam. My first letter must have reached the waste-paper basket, as I did not see the mother plunged in and got him out. There were poles sticking into the water and my mother plunged in and got him out. There were poles sticking into the water, or she could not have gotten out. A woman hitched up a horse and and I think it is very nice.

A HOMESTEAD SIUK:

Editor Boys' Club:—My father has taken the Advocate for four years and would not do without it. I saw the new Boys' Club in this wonderful paper and thought I would write telling the story of our homesteading in Alberta four years ago.

GRAYDEN Woods.

ALBERTA L. McCue.

TRAPPING MUSKRATS

FROM SNOWBIRD

Dear Cousin Dorothy: —This is my
Dear Cousin Dorothy: My cousin first letter to your interesting club. We
I started for Stettler. When we reach Dear Cousin Dorothy: My cousin takes The Farmer's Advocate, and gives it to us to read. I like reading the letters in the Advocate very well. It stopped the first of December, and began the first of March. We live two miles to go. Our teacher's name two miles to go. Our teacher's name was Miss D - School is not going now. It stopped on the 29th of October for the winter. We have five hors and one colt. Their names are Nellie, Daisy, Bing. Bill. Paddy and Tom. We have eleven head of cattle. I have three i nothers and are shoot a mile and a half from the school house. I have three i nothers and two sisters. There there this winter to trap muskrats, and they only got fifty five rats, but the year before this year they got a hand e i and twenty. I enclose an addresse i charles, and I'm sure the members would, too.—Ed.)

I have three i nothers and are shoots. Sask.

I have three i nothers and are shoots. Sask.

I have three i nothers and are shoots. Sask.

I have three i nothers and are shoots. Sask.

I have three i nothers and are shoots. Sask.

I have three inthe winter. It started for Stettler. When we reached in the winter. It stopped the first of December, and two interesting club. We do not have school here in the winter. It stopped the first of December, and the winter. It stopped the first of December, and two interesting club. We do not have school here in the winter. It stopped the first of December, and the winter. It stopped the first of December, and the winter. It stopped the first of December, and the winter. It stopped the first of December, and the winter. It stopped the first of December, and the winter. It stopped the first of December, and the winter. It stopped the first of March. We live two miles to go and tasted for Stettler. When we reached the dither two rabbits all nicely cooked and two rabbits all nicely cooked and two rabbits all nicely cooked and two rabbits all nicely cooked. In the winter. It stopped the first of March. We live two miles to go and the stopped the first of March. We li

YOU GET FULL WEIGHT



Is weighed BEFORE wrapping, and each pound



A CAMPING EXPERIENCE

Dear Cousin Dorothy:—My two sisters and brothers and myself were driving five miles and a half to school this winter, and have gone regularly since the 11th of January. In the summer time we girls have to do the milking. We milk four or five cows, we have been in Canada three years next. April. We all like the country. I am in the fifth grade at school. We have just started taking Candian history since Christmas. I like it better than grammar. Most of our neighbors around here have telephones, but we haven't. I will be thirteen years old on the 19th of April. We live seven and a half miles from Sperling, a little town about nine years old.

MILK-MAID.

A CAMPING EXPERIENCE

THE ATTRACTIONS OF A RANCH bedity and I think it is very again to your charming club? I think to is very on the put a sow went. There was a steep were four families going, and so we had to have quite a lot of rigs. When we were four families going, and so we had to have quite a lot of rigs. When we were four families going, and so we had to scrape the snow things ready for dinner. We put a hammock in the trees, and put the stove pipes wouldn't go up until it was a foggy morning and we got over to the niver the men crossed when the word of the landing place, and we got some stones and made a half miles from Sperling, a little ones in it. There was a steep haven't. I will be thirteen years old on the 19th of April. We live seven and a half miles from Sperling, a little ones in it. There was a steep that night. We stayed there and we got some stones and made a thing the provide the provide the tent. But the provide the word of the landing place, and we got some stones and made a thing the provide the provide that the winter I and my to have quite a lot of rigs. When we were four families going, and so we had to your club, and I think it is very again to your charming club? I think to your club, and I think it is very again to your charming club? I think the very club, and I think it is very again to your charming club? I think to your club, and

My father loaded a car of stock, ma-

chinery, etc., thirty miles northeast of (I am glad you introduced the subject read mark fiale, Snoemaker ? It is a splendid book.

I am going to write on my entrance this year. The school is a mile from us and we walk.

There are not many drawings come out in the paper, so I am sending one. I have forgotten the rules so I do not the paper, so I am sending one. I have forgotten the rules so I do not the paper along way from the paper along emostably until the paper.

I foronto, and two weeks from that time he arrived fifty miles east of Lacombe in Alberta. From there he had forty-eight miles to come with the wagons to the homestead. There were along way from the same place and they started together. Everything went along emostably until the paper along emostably until the paper.

Ed.) Toronto, and two weeks from that of books. It would be interesting to out in the paper, so I am sending one. I have forgotten the rules, so I do not expect to see it in the paper. I have forgotten if it was Indian ink it had to be drawn with or only ordinary black ink.

We had a valentine box at our school. The valentines were put in a box and on valentine day they were distributed.

Hoping this letter will not share the fate of the other, I remain,

Alta.

Alberta L. McCue.

To see I am sending one. I we came here. We are a long way from Edmonton, which is our nearest railroad point. My father has taken the remember, and we think it is a fine paper. I am eleven years old, and have three sisters and one brother. Three of us go to school, which is one-half a mile from our place. I would like to join your club, and will write again if I see this letter in print.

Alta.

Alberta L. McCue.

Alta.

Alberta L. McCue.

And they started together. Everything went along smoothly until they got within twelve miles of our home-stead. It was a Saturday evening, and it grew quite dark, so they thought it would be wise to camp for the night.

They went to roost on the ground under a tent cover, and woke on Sunday morning to find it was snowing with full force. They had to hold the horses out on the prairie to let them later end of March. On Monday morning they eat grass. This was the latter end of March. On Monday morning they started for the place they longed for, and reached it at noon.

THE ATTRACTIONS OF A RANCH

I think we should get a stick-pin

There is no problem of increased cost of food if you eat more

Quaker Oats

An ideal food; delicious; appetizing; strengthening.

Compared with other foods Quaker Oats costs almost nothing and yet it builds the best.



h pound weight of



A RANCH s, and I hope I like Blake to be well and I would m, if he has ents already. weather, but arrived yet. I think it

s of this club just finished of Africa,'

a stick-pin it. I think rge to wear. spond with ranch who 1). I would

N Woods.

d the subject iteresting to cs our club White Commy favorite it is yours?

prob-:d cost u eat

Dats elicious;

thening. 1 other its costs d vet it

GROCERIES!

GROCERIES!

THE CHOICEST

WHY YOU SHOULD ORDER

We have one of the most up-to-date grocery stores in Winnipeg. Our mail order staff are careful, and will look after your interests and see that only the best of everything you order is shipped, and shipped promptly. Our immense list of customers means a big turn-over every day and consequently our stock is always fresh and prices reasonable. We are content with small profits and quick returns.

SEND US A TRIAL ORDER AND BE CONVINCED.

| Laundry Starch, Ivory Glossper pkt.

	-		
Sugar, 20-lb. sacks \$1.15; 1	00 lbs		\$5.55
Our Special Household Tea		per	lb32
		5 lbs.	for 1.50
(We guarantee this Tea t	o be goo	d value at 45	c. per lb.)
India and Ceylon Teas per			
Coffee, Finest Mocha and Ja			
Coffee, Rio and Santos, per			
2c. per lb. less on			
Rio Green Coffee, per lb.			12
Santos " " "			
Rice, Finest Japan,			os. 25
		50-lb. sa	
Tapioca Pearl			
		20 '' ''	\$1.05
			.25
Sago			25
Choice White Beans		5 '' ''	25
11 11		per bush	el 2.60
Split Peas		7 lbs. for	. 25
Force		per pk	t14
Corn Flakes			.09
Cream of Wheat			.18
Salmon, Horseshoe		per ti	n .17
AA WE STATE OF THE		per do	z. \$1.95
		per tir	12½c.
11 11 11		per do	z. 1.45
	per lb. 1	0-lb. boxes	25-lb. box
Prunes 90-100	. 6	.59	\$1.40
60- 70	. 8	.78	1.80
40- 50	.101	\$1.00	2.40
		25-lb. box	
Apples, Evaporated	. 9	\$2.20	\$4.35
Peaches,	. 9	2.15	
Pears,	.111	2.85	
Apricots, "	.17	4.00	
Currants, Cleaned	. 8	1.93	
Raisins, Fine off-stock, per	lb. 6c; p	er 28-lb. box	1.55
" Selected, "			
Jelly Powders, Reliance,			
Gold Standard Jelly Powder			
Baking Powder, per 16-oz. t			
" " 3-lb. bulk	for		
Baking Soda, Cow Brand			. 07

52		
50	per tin	.50
.)	Cornstarch, Edwardsburg1-lb. pkt.	.08
C.	Shelled Walnutsper lb.	.35
C.	" Almonds "	.39
C.	Molasses, New Orleans, 3 lbs. for	.16
	Syrup, Pure Maple, Newper gall.	\$1.35
2	" Pride of Canada Maple per quart	.38
6	" Beehive, Corn or Edwardsburg 2-lb. tin	.10
5	5-lb. 24c., 10-lb. 48c., 20 -lb. 72c.	
0	" Lyles, per 2-lb. tin	.15
5	Spices, Pure Black or White Per	
5	Cinnamon, Allspice, Mixed Spi	CO
5		cc,
5	Ginger, Per 1b. 25c.	
0	per tin per case	2 doz.
5	Corn Size 2 .08 \$1.90	
4	Peas 2 .10 2.35	
9	Tomatoes	
8	Tomato Catsup " 2 .07 1.60	
7	Beans 2 .08 1.90	
5	Blueberries	
.	Strawberries	
5	Pears " 3 .20 4.40	
	Peaches 2 .14 3.25	
	Apricots	
	Pineapple " 1½ Sliced .12 2.75	
)	All canned goods are the very best brand.	
:	Christie's Sodas, Zephyr Cream, 2-lb tin	\$0.28
1	" Sodas in 20-lb. boxes, per box	1.60
	Pickles	
	Pickles, Mixed Walnuts or Gherkins per bot.	\$0.22
	" 1 gall. pail	.75
	" 5 gall. pail	2.85
	Catsup, Blackwood's, quart Bots	.23
	" 1 gall. pail	.75
	" 5 gall. pail	2.65
	Soap, Royal Crown Washing, 8 bars for	.25
	" case 144 bars	4.30
	" Sunlight, per bar	.41

ONVINCED.	this w.
Soap, Sunlight, per case 100 bars Washing Powder, Royal Crown, 3-lb. pkt. "Gold Dust Old Dutch Cleanser, per tin Pure Castile Soap, 12 bars Mustard, Coleman's, bulk, per lb. "Keen's or Coleman's, ½-lb. tin. Vinegar, English, per quart bot. "1 gall, pail or jar "5 gall. pail	4 .15 .20 .21 .08 .25 .22 .23 .20 .40 1 .75
Cocoa, Fry's, Baker's, Lowney's or Cowan, ½-lb. tin bulk, per lb.	. 23
Jams E. D. Smith's, Wagstaff's or Briggers, per 5 lb. tin "" Plum Marmalade "" Upton's, 7-lb. pails "" Briggers, 7-lb. pails, Compound Yeast, Royal, per pkt. Cocoanut, Finest Featherstrop per lb. Essences, 4-oz. bots., 20c., 8-oz. Blacking, 2 in 1, per tin Salt, Windsor, 3-lb. bags "Common, per barrel Tobacco, MacDonald's Briar, 9 lb. tins per lb. "" Pr. of Wales, 9 "" "Cut T. & B., 3-lb. tins "" Clars, all kinds, at lowest prices. Axle Grease, Diamond per doz. "" Mica	.65 .53 .50 .54 .45 .04 .17 .38 .08 .04 \$1.95 \$0.85 .95 .93
Coal Oil Coal Oil, 42½ gall. bbls., Sunlight per gall. Silver Sign	201
Oil Lubricating	
Black, Summer per 5-gall. can Eldorado, Engine " "	\$1.20 1.60

GROCERIES!

DUNGAN & HUNTER GROCERS 519 LOGAN AVE. WINNIPEG

CRUSADE AGAINST TUBERCULOSIS

The year 1909 will be marked in the TRADE calendar as a red letter year in the history of the crusade against consumption. he movement received a great impulse from the congress of distinguished physicians which was held in Washlife and happiness of mankind.

erations of the congress.

Never since the organization of the Canadian Association for the Prevention of Tuberculosis has there been such tions have been reinvigorated, new associations have been formed which are showing in many cases a vigorous ac-Several new institutions for the relief and treatment of consumptives have been opened and the demand for our literature has been larger was a year of great progress in the work of the association.

to make this one of the best, if not the best meeting in the history of the mand. Then there are the vast prairies firm at Cranbrook asking for particular parties. When writing be sure and mention this paper. association

INTEREST IN FRUIT LANDS

consider further measures to be taken to stamp out this dreadful enemy to the consider further measures to be taken to stamp out this dreadful enemy to the consider further measures to be taken to stamp out this dreadful enemy to the consider further measures to be taken to stamp out this dreadful enemy to the consider further measures to be taken to stamp out this dreadful enemy to the consider further measures to be taken to stamp out this dreadful enemy to the consider further measures to be taken to stamp out this dreadful enemy to the consider further measures to be taken to stamp out this dreadful enemy to the consider further measures to be taken to stamp out this dreadful enemy to the consideration of the North America, perhaps we should say attraction in the form of capability within reasonable distance of Cranthe whole civilized world, has participated in the renewed and increased to produce fruits of all kinds in quanbrook will be developed for power and scription of Gas Traction Engines.

This company now has a well equipped the annual rainfall and the natural this valley. activity displayed in Canada in this fight for life. Older branch associations have been such

of the great West that provide a mar- lars.

ket that British Columbia cannot hope to meet.

lands for sale is the firm Beale & Elwell, log. the members of which are M. A. Beale In the southern part of the province, and Edward Elwell. They have a well just west of the Rocky Mountains, in equipped office on the corner of Baker what is known as Southeast Kootenay, and Cranbrook Streets, and are known 51-53 Aikens Street, Winnipeg, have

THE PASSING OF THE HORSE

A handsome catalog, issued by the Cranbrook, a thriving town with great natural favors is the important center of this fertile valley. Although only a modest town of some 3,500 popu-discusses "Modern Farming—The Pass-Beautiful scenery and absence of lation, it is as well equipped with educa- ing of the Horse." In addition to a ington, U. S., in the autumn of 1908 to consider further measures to be taken to cost of threshing and plowing, the the and happiness of mankind.

Canada in common with the rest of developed a new and more practical district before the world. Waterfalls in farm machinery and a thorough deactivity which resulted from the deliberations of the congress.

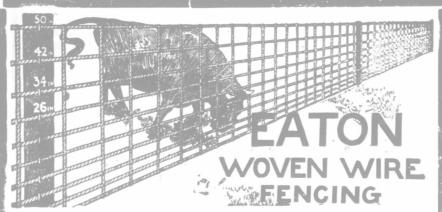
With the construction of the Kootenay Central Railway factory at Winnipeg and is in position valuable fruit lands. In some cases irrigation is essential while in others influx of landseekers will flock into demand for traction power. Every Prominent among those offering farm farmer should have this elaborate cata-

GASOLINE TANKS

wonderful progress has been made durthroughout Western Canada as reliable just issued a new catalog, illustrating ing the past few years. This triangular business men. Thousands of acres in a complete line of their goods. These valley had been found to be capable of all parts of British Columbia are offered consist of gasoline, water and oil metal than ever. Take it all in all, 1909 producing heavy crops of fruit of and already this firm has done much to tanks, cistern tanks, troughs, feed was a year of great progress in the work apples, pears, plums and cherries, and Cranbrook district. Branch offices have number of farmers and threshermen apples, pears, plums and cherries, and the smaller fruits have been grown to perfection.

But this development is only well this development is only well this development is only well to make this one of the best, if not the the smaller fruits have been grown to been established at London, Eng., and Moyie, Fort Steele, Kimberley, Marystone wille, Elko and Wardner in British The Farmer's Advocate contemparing, and threshermen been established at London, Eng., and been established at London, Eng., and wille, Fort Steele, Kimberley, Marystone wille, Elko and Wardner in British The Farmer's Advocate contemparing, and threshermen been established at London, Eng., and been established at London, Eng., and willed the smaller fruits have been grown to perfection.

But this development is only well begun. Great areas still are unplanted. Columbia. Those who are interested ing the purchase of a tank this spring, should write this company for their page of this issue and write the catalog which is free to interested. mention this paper.



Here is a fence high enough for horses, close enough for hogs, strong enough for cattle--a splendid barnyard fence. It is made of No. 13 Galvanized Steel Wire, doubled and twisted. The stays are placed 12 inches apart, and securely interlocked to prevent slipping.

Joints are flexible, allowing the fence to conform to uneven surfaces without cutting or lapping.

Put up in rolls of 10 and 20 rods. Sold in four different heights, the 26-inch being commonly used for hogs

	PRICES	
Height.		Price per rod
50 inches		\$0.60
42 inches		. 55
34 inches		. 45
		. 40

STUDY THE EATO CATALOGUE

Page 207 will give you prices and description of woven wire fencing, lock stay fencing, coiled wire fencing, fancy lawn fencing and gates, together with all necessary tools for fence construction.

The Eaton Catalogue contains matter of greatest interest to farmers and grain growers generally. In it you will find lowest prices on almost every tool and implement you need about your farm. Your own personal needs and those of your family are also provided for, giving opportunity for the economical purchase of all farm and home supplies.

A copy of the catalogue will be sent you on request. Mail order purchases may be made from the Eaton Catalogue, with every assurance of satisfaction. Your money and all transportation charges promptly refunded if not entirely satisfied with any purchase.

EATON BINDER TWINE PRICES

Per 100 Pounds for Delivery from Distributing Points Write for Prices Laid Down at Your Station

For Delivery	From Winnipeg	From Brandon	From Regina	From Saskatoon	From Calgary or Edmonton
Golden Manila 550 ft.	8.59	8.70	8.92	9.02	9.23
Eaton Standard	8.09	8.20	8.42	8.52	8.73

EATON TWINE IS GUARANTEED

Should your crop be destroyed by Hail, Rust, Frost or Excessive Rain. or should the Twine you buy from us prove unsatisfactory for any reason, return it to us, and we will refund your money and pay all transportation

T. EATON COLIMITED

WINNIPEG

CANADA

The following are some of the lines we are constantly printing

ORDER BOOKS, STATEMENTS, INVOICES. BILL HEADS LETTER HEADS, ENVELOPES, NOTE HEADS, ETC.

THE FARMER'S ADVOCATE, LTD.

JOB DEPARTMENT

PHONE MAIN 9000 or 900

14-16 PRINCESS ST.

GOSSIP

The Holstein Friesian Association of America has granted \$100 in cash to the Alberta Provincial Exhibition, Calgary, to be awarded as prizes in the Holstein

A bulletin bearing on the fishery resources of British Columb a has just been information. Some interesting ment in the past twenty years or so in the fishing business. In 1876 the total value of the salmon canned in the province was \$46.840; 1886, \$770,536; 1896, \$2,875,170; 1906, \$3,008,532. The bulletin is well illustrated and interestingly written and

CAN'T DO WITHOUT IT

I have taken The Farmer's Advocate for thirteen years. It is the best agricultural paper we have. I don't Frank Childs, British Columbia.

SELLING BROOD SOWS

The short hog supply is treated as follows by the National Stock Yards Reporter in a recent issue:

Within a few weeks we have seen record prices for hogs. Back of this fact an economic operation is likely to proceed, which, instead of reducing the price of hogs in the future will operate

in any considerable degree, it operates to bring into existence more apple bearing trees. Exactly the opposite tendency arises when the price of live only the animals which are not useful for breeding, but also those which are required for production. In other money maker. Many farmers have words, the tendency at this time is to induce owners of brood sows to part year, being frightened at 60 cent corn. with them because of high prices for

that which follows the advance in the bushel for the grain. price of apples, for the apple producer cannot sell his trees. Recent receipts of sows at the big markets indicate that | priced feed should stop and weigh the better judgment is becoming prevalent among stock raisers and hog raisers, that, in selling the sows, they are selling the yards last week informed us that profitable crop; or it may be that the alizing the gravity of the situation and diminution of receipts is due to the ac-

are beginning to hold back their sows that it would take several seasons to it is not strictly apparent here. One of bring the "hog population" back to the big local packers claims that dur- normal. ing the past six weeks their aggregate kill showed 50 per cent. females, while for the same period last year the percentage of sows slaughtered was only 44 per cent. This packer roofing business is the Brantford Roofsays that since last November their ing Company, Limited, and to this records show a steady increase in the percentage of sows slaughtered. If this be indicative of general condition" prepared roofing industry in Canada. It should seem that the "liquidations, The high quality of this company's policy on the part of producers is being persisted in.

It is interesting in this connection

Agricul-

to observe that Secretary of Agriculture Wilson points out that the depression of hog prices caused by the panic of 1907, induced farmers to sell breeding sows so as to diminish what, from then existing prices, they were led to regard as a line of unprofitable production. The present high prices of hogs Secretary Wilson indicates are largely due to the fact that hog production has diminished by reason of

to be brought face to face with the condition which exists at this time wherein high prices instead of low prices, as in 1907, are at work and tending to again impair the hog raising industry by reducing the number of breeding sows. None of those who philoso phically study the recent advance in waterproofing qualities.
the prices of foodstuffs hold out con- At their factory at Brantford, Canthe prices of foodstuffs hold out confident hopes that prices generally will ada, they make nine different styles of



LEARN ENGINEERING

Do you want to know how to take care of and run any kind of boiler and engine? Our course by mail teaches you fully the care, construction and operation of all kinds of boilers and engines, and fits you fully for the examination for engineer's license in any province.

also in Commercial Courses Work, Public and High School subjects, etc. Ask for anything



Dept. F., Toronto, Canada.

materially decrease. That being the fact, obviously, it becomes highly sa-gacious as a business policy for the farmer to retain his breeding animals.

especially sows, which multiply rapidly. The hog has done much to increase the prosperity of the western farmer When drouths come and crops fail the hog is the income producer for the farm. Year in and year out the porker is absolutely to be depended upon as a when as a matter of fact had they bred their sows and fed the corn they would have netted 75 cents to \$1.25 per

Those farmers who are prone to dispose of brood sows in years of high situation carefully before doing what they will later have cause to regret.

Many Missouri hog shippers while at farmers in their localities are now re are saving and breeding all the sows possible. Two or three Illinois shippers from different countries in that state said that the heavy marketing of brood sows had cut down supplies so seriously

products has created a feeling of public confidence and has won an enormous trade. The Brantford Roofing Company devote their entire energies to the manufacture of asphalt roofings, and as they have had many years of experience this speaks volumes for their belief in the superiority of asphalt as a roofing material. This company state that the asphalt they use is an exceptionally high-grade of asphalt, which has been affected until it has bewhich has been refined until it has be-come 99 per cent. pure. They also have long-fibred pure wool felt made according to their own rigid specifica-tions, as they say the ordinary com-mercial felt is not good enough for the purpose. In addition to a thorough asphalt saturation the felt is given a None of those who philoso- terials noted for their fireproofing and

1866

asphalt roofing, and two thicknesses of saturated felt for sheathing or exterior surfacing. This line of surfaced goods can be used in any climate, and so sith or flat roofs, or on the sides. on pitch or flat roofs, or on the sides of buildings, and has been very successful in resisting the action of weather, acids and gaseous vapors, as well as a complete protection against flying fire-

brands and burning cinders Like other progressive manufacturers, the Brantford Roofing Company are liberal advertisers, and their advertisements, many of which appear in The Farmer's Advocate, are always interesting and instructive.

NEW CANADIAN COINAGE

The bill to revise the currency act, which was put through the House of Commons recently will revolutionize the Dominion's monetary system, in so far as the familiar coins of the present day go. It provides for the coinage in the mint at Ottawa of these

Twenty dollars, ten dollars, five dollars and two and a half dollars, gold pieces; one dollar, fifty cent, twenty-five cent, ten cent and five cent, silver, and one cent bronze coins

All the gold coins will be new to Canadi ans. Whenever a Canadian has needed gold heretofore he has been compelled to use either the British sovereign or the American eagle. Hereafter, however, when a Canadian goes abroad he will not be subject to the indignity of having his country's bills, or those of banks which are probably more reliable than those of many banks of the United States, refused.

The Canadian gold coin-call it how you will-and here is a great opportunity for the word-coinage artists, because it is quite apparent that just as we speak of the solid British gold piece as the sovereign and as we describe the American gold coin as an eagle or its half, so hereafter will the financiers of the world have to reckon with the gold coinage stamped with the name "Canada," and which will at the same time bear upon its obverse the figure of the empire's sovereign.

The chief change in the silver coin is the creation of a Canadian silver dollar, which is designed to meet the wishes of the Pacific provinces

Another important amendment to the old currency act was a provision that hereafter no man can offer in exchange for a debt more than 25 one

Another important point was that while the Ottawa branch of the Royal Mint was willing to coin the gold of Canada into any form in which it could be legally desired, it was still willing to do as it had done, coin British sovereigns out of Canadian gold; but the finance minister made it clear that the new standard would apply, so far as Canada itself was concerned.

An interesting feature of the discussion was as to the name of the five dollar gold piece. It was suggested that it should be called a beaver, but the finance minister said that the name popularly, would have to be coined by somebody outside the government. So far as the government was concerned the formula to the government was concerned to the formula to the formula to the government was desired. cerned the five dollar piece and its partner, the \$2.50 piece, would be known by that title until somebody

TURNER'S WINNERS

J. A. Turner sends the following re port of Balgreggan stock that won honors at the recent Calgary spring These animals were either bred imported, owned or got by stallions bred by Mr. Turner. Royal King first in aged Clydesdale stallions, and also champions. champion male, any age. Sonsie's Best, bred at Balgreggan, took third place in the same class. Wealthy Prince, Economist, Allanfearn and Marquis of Huntley were placed second, quis of Huntley, were placed second, third, fourth and fifth in three-year-Sonsie's Stamp, first prize twoyear-old, was got by a stallion bred by him, and second prize in this class was imported by him last November. first prize for (Uydesdale females. The first prize for Clydesdale females. three years and over, was won by Proud Beauty, by Baron's Pride. She

1909 WAS A RECORD BREAKER FOR SALES OF

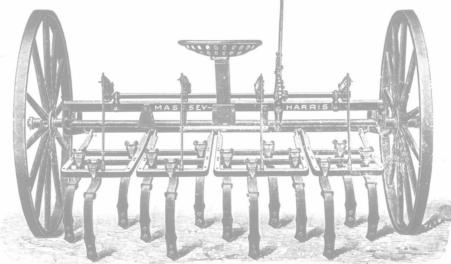
The way the Western Farmer purchased signifies that the "MASSEY HARRIS"

this implement last season is the preference of the West

Be the Cultivation shallow or deep it is always uniform

A single lever raises gangs or applies pressure. Each gang has independent action.

Cultivator is nearly all high Carbon Angle



Wheels are extra strong, have large diameter and broad face.

Re-enforced steel spring teeth.

Adjustable hitch overcomes neck weight.

Regular points are reversible, giving

Buy a "MAS EY-HERRIS" and Sign the Death Warrant of all Weeds on Your Farm

THE GAS TRACTION ENGINE KING OF ALL GENERAL-PURPOSE FARM TRACTORS

FIND OUT ALL ABOUT THE GAS TRACTION ENGINE

We can't tell you all about our engine in an advertisement. We would like best for If you are in Winnipeg at any time come to our factory at Elmwood and examine it. We would like best for you to see it yourself. Right at once you had better send for our free book, "The Passing of The Horse." It tells a lot about our engine and contains some mighty interesting reading. Send for it to-day.

FREE



Send for this **Booklet**

CONSIDER THESE STATEMENTS CAREFULLY

We say the Gas Traction Engine will stubble plow 25 acres per day. Several farmers have broken over 40 acres of virgin prairie sod in one day

We say our engine can pull 6 to 8 breaking plows and from 8 to 10 stubble plows. It has pulled 12 stubble plows. We allow 13 to 24 gallons of gasoline per acre breaking, but we have affidavits saying it has been done on one gallon per acre. Affidavits from farmers using the Gas Traction Engine show the cost of plowing per acre to be under 30 cents, and as low as 24 cents.

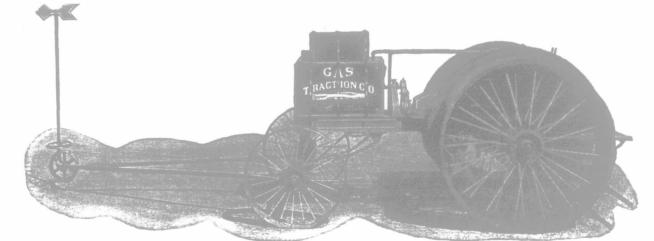
These are only a few of the interesting proven facts we can give you regarding our engine.

THE GAS TRACTION ENGINE PRODUCES RESULTS

invertion. Every power outfit should have one. Write us for particulars.

It will give big results to you, helping you to do good farming quickly and cheaply—that's the one aim of **The Gas Traction Engine**. Its thorough construction assures unlimited endurance. Its perfect and practical design lets it do work done by no other farm tractor. It weighs only 14,000 pounds—never juriously packs the soil. It has power, endurance, and is built for economical operation.

The Gas Traction Binder Hitch permits use of Binders in multiple with Traction Engines. A wonderful



Grain Exchange The Gas Traction Building, Winnipeg Note :- WE MANUFACTURE AT ELMWOOD, WINNIPEG.

Hear Slezal

sing "Celeste Aida" in the

Edison Phonograph

The New York Tribune says:

"Mr. Slezak dominated every scene, and his clarion voice rang out superbly in the climaxes. He sang the Celeste Aida with effectiveness, and the Nile scene with fire and passion, yet always with regard for phrase." The New York American says:

"It is but a trifling with words, of course, to say that he was the greatest Rhadames that ever appeared on the American Stage. The house was crowded and the standees out in force; yet it was Slezak, not Caruso, who sang the principal tenor role."

These comments represent the consensus of opinion of all who heard Slezak at the Metropolitan in the role of Rhadames. Could you ask for better evidence of the fact that Slezak is the greatest lyric tenor since the days of Tamagno?

He sings the "Celeste Aida" and the great arias from Verdi's "Otello" exclusively for the Edison Phonograph. The Slezak Records are Edison Grand Opera Amberolsplaying longer than any other Records made.

The AMBEROLA, the newest and highest type of Edison Phonograph



combines the rich, tonal beauty of the Edison Phonograph with a cabinet that is a masterpiece of craftmanship. It is charmingly designed and finished and comes in either Mahogany or Oak to harmonize with surroundings in any home. It plays both Standard and Amberol Records. It has drawers for holding 100 Records. The price is \$240. Other types of Edison Phonographs, \$16.50 to \$162.50. See and hear the Amberola at your dealer's—and be sure to hear Slezak sing "Celeste Aida."

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

\$\$\$\$\$ Thousands of Dollars \$\$\$\$\$

Last year we distributed upwards of TWO HUNDRED THOUSAND DOL-LARS among our patrons for CREAM.

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

Have you any CREAM, EGGS or BUTTER to sell?

Write us at once and we will make you a proposition. Do it to-day.

The Brandon Creamery & Supply Co., Ltd.

BOX 2310

Brandon, Manitoba.

The following are some of the lines we are constantly printing

> APPEAL BOOKS AT-HOME CARDS BUSINESS CARDS, POST CARDS DODGERS, WINDOW CARDS, WINDOW BILLS, INVITATION CARDS, WEDDING INVITATIONS, DELIVERY BOOKS, ETC.

The FARMER'S ADVOCATE, Ltd.

JOB DEPARTMENT

Phone Main 9000 or 9001

14-16 Princess St.

afterwards was awarded the Clydesdale female championship. She and the first prize two-year-old filly, Poppy, by Baron o' Buchlyvie, were imported by

In Hackneys the stallion, Woodlands Sensation, was awarded first prize, while his young stallion, Seaham Masonwas placed third, as he was somewhat nervous, being shown to a disadvantage at night inside the rink.

WINNIPEG MOTOR CONTEST

Progress is being made in regard to the motor contest to be held at the Winnipeg Industrial Exhibition, July 13-23. Prof. A. R. Greig, of Saskatoon, and Prof. L. J. Smith, of Winnipeg, will be the judges. Dr. A. W. Bell, manager of the exhibition, has sent out the of the exhibition, has sent out the following notes regarding the competition

Engines will be rated according to the brake horse power developed in the maximum half-hour test. The engines during this time will be carefully watched by the judges to see that everything possible is being done to get the utmost power out of the engine. The judges will also take careful measurements of the engine, calculating therefrom its horse power, which will serve as a check on any manufacturer trying to hold his engine down in order to get into

Engines developing over 20 horse were and under 21 brake horse power will be allowed in the 21 to 11 to 12 to 12 to 13 to 14 to 13 to 14 t will be placed in the 21 brake horse power class. This will apply to the ther classes as well.

The fuel consumption will be based on the cost of fuel consumed. This will be the price of fuel in Winnipeg at the time of the contest

No other fuel will be allowed to be used except that furnished by the association. In the case of the internal combustion engines either kerosene or gasoline may be used, this being left to the discretion of the manufacturer.

The plowing will take place in tough gumbo sod on a level piece of ground. In all probabilities the furrows will be one mile in length and each engine must make one round per hour, and must have sufficient fuel and water capacity to last for that length of time The idea is to replenish at the end of each round.

Fuel and water will be measured, but will not form a part of the score. It will, however, serve as a check to determine whether or not the engine is

working up to its full capacity. It is contemplated if possible to arrange for a mile course in the hauling competition. You will readily recognize in a competition of this kind and in a city that is growing so rapidly as Winnipeg, that it is not convenient to secure a course in which the first engines competing in the whole competition have not a slight advantage. However, we are trying to arrange our course in such a way this year that the last en-gine will have practically the same kind of track as the first engine

Penalties will consist mainly in the sses of time occasioned by stops. However, an engine that has a breakdown through faulty construction, etc. will in addition to the loss of time receive the requisite demerit marks unforeseen things may happen to an engine that it would be impossible to provide definite penalties that would cover each and every one of them; consequently this must be left somewhat to the discretion of the judges.

In the plowing contest the cost of fuel will be reduced to a basis of dollars and cents. Labor will not be taken into account. In a competition of this kind every plow manufacturer who attaches his plow behind an engine is going to provide sufficient help, so that he can make his plows do the best possible work. He will therefore, often-times provide two men for the plows where the average farmer would not have over one and would be satisfied with a somewhat inferior job. If the steam and gasoline engines were all in the one class, there might be more reason for taking the cost of labor into consideration, but as each is in a class by itself the cost of labor does not extent. A careful account will, how-ever, be kept of the cost of labor, due consideration being paid to just how much of this labor the farmer will emSend your Remittance by

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We say the Hamilton is the best Cream Separator sold in Canada today. Don't take our word for it. Get one on our special 30-day trial offer. Prices only one-third to one-half what others charge. Thousands now in use in Canada, Write before you go to bed for ada. Write before you go to bed for catalogue "A". It tells about our 30-day offer.



HAMILTONS', Somerset Bldg., Winniper



with team and wagon wanted who can give bond, as salesman for our Extracts, Stock, Poultry, Powders, Liniments, Spices, Talcum, Soap. etc. Write for permanent work in your own county. George Hassall, Sec., 221 Main St., Keokuk, Iowa.

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MACHINISTS Machine and Foundry Work of Every

Description If you have trouble in replacing breken castings, send them to us and have them

repaired. We operate the only CAST IRON BRAZING

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



This is our "LEADER" CHURN—made of the best White Oak—which won't chip or peel like glass or crockery—absolutely sanitary—and may be operated by foot or hand. If your dealer does not handle Leader Churns, write us direct.

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Physician's Testimony

"Scientific nutrition like BOVRIL will do more to "stay the ravages of any mal-"ady than a century of pro-"gress in drug treatment."

Well fortified by nourishing food you can resist insidious or sudden attack of disease.

BOVRIL is a highly concentrated food ... Immediately it is taken it is transformed into energy and strength. No other food so quickly stimulates and invigorates the sys-

CAREFUL, THOROUGH STUDY

DRY FARMING METHODS

If applied in every State of the Union
WOULD ADD MILLIONS OF DOLLARS
to America's Agricultural Production.

If you are in a semi-arid district, or where frequent drouth or "worked-out" soils make success a problem, you should be a member of the

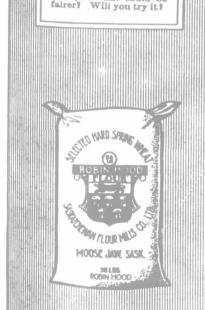
DRY FARMING IS A SUCCESS

DRY FARMING CONGRESS It costs but \$1.50 ajyear

RobinHood FLOUR ISDIFFERENT

> Our Money-Back Guarantee

Give Robin Hood Flour two fair trials. If you are not satisfied with it then, your grocer will give you back your money. What could be fairer? Will you try it?



Advocate Ads. for Results the short courses for farmers that will be inaugurated next winter in Sas-

ploy on his farm. This will be done for the benefit of the manufacturers, but will not in any way form a part of the

The quality of work done in plowing will to a certain extent be taken into consideration, but only in so far as the engine is responsible; for example, straightness of furrow, evenness of depth and finishing at the ends.

Careful score will be taken of the amount of water consumed in the plowing contest, as the water problem is a vital one to the farmer who uses a plowing engine.

The pressures allowed will in all probability be those determined by the Alberta Law for Pressures, which is now in force. This has, however, not been thoroughly decided upon, but will be in a very short time.

The association has secured a halfsection of land for this competition in close proximity to Winnipeg, and as we have to guarantee the plowing of the entire amount of land, it is the intention of the committee to give each engine a certain amount of land to be plowed, and this will be one of the conditions of entry that the contestant must complete his work. Just what area will be given to each contestant cannot be definitely determined until all of the entries are in. The plowing test will doubtless not extend over a less period than six hours for each engine and may run more than that, thus giving each contestant an excellent pportunity to demonstrate just what his engine can do. The land allotted to each engine will be in proportion to its horse power.

We are also arranging for a four-horse team to do one or two days' work on the plowing contest field. This forms no part of the competition, but is simply provided to furnish the manufacturer with a comparison between horse and mechanical plowing, working under exactly the same conditions.

Steam engine classification is:
1. Up to 60 brake horse power.
2. 60 to 90 brake horse power.

3. Over 90 brake horse power,

providing there are three or more engines entered in their respective class. In all sections entries are limited to one from a firm. The entry fee for

each engine entered is \$25.00.

SASKATCHEWAN'S SYSTEM OF FARMERS' INSTITUTE MEETINGS

(Continued from Page 633)

of the wheat plant. It is nourished by the wheat plant, like a traitor in a camp. When the wheat heads sprout out a fight takes place for supremacy. So evenly is it contested that sometimes a single head is half smut, half wheat so fiercely does each strive to reproduce itself. It has already been mentioned that deep sowing favors the germination of smut, and shallow sowing does not.

The appalling fact of the number of

smut germs in a single smut-ball explains why even a few smut-balls in a drill may reproduce smut in a whole field of grain, if they break. It shows the necessity of immersing grain instead of sprinkling it. Immersion enables a man to skim off the smut-balls as they float to the surface. Sprinkling does not do this—and the unbroken smut-ball, though well dosed with bluestone or formalin, is unhurt by this treatment, as it has a water-proof coat! So unless it is floated to the surface and removed it is very apt to break during seeding and get in its deadly work in spite of chemicals. Any treat-ment of grain for smut is effectual only in killing smut that has already been broken from the smut-balls, and will not necessarily kill smut inside the balls. Great care must be taken, not only to clean every smut-ball out of the seed, but also to make sure that everything the seed is to come in contact with from the time it is treated until it is in the ground, has been thoroughly freed from smut, by the use of either blue-stone or formalin. Grain bags that are to be used to carry seed after being treated, should be immersed in a solution of either blue-stone or formalin, if they have been used previously to carry grain having any trace

Mr. Motherwell drew attention to

FLAX FOR SEED

PURE AND CLEAN

EARLY CORN FOR FODDER



S. B'S. SEEDS STAND ALL TESTS

Dakota Dent No. 100, Golden Dent, Northwest-ern Dent, North Dakota White Flint, Longfellow Vellow Flint, all the best for the Canadian West, and to make them better our crops were grown the farthest north of any corn offered in Canada. In Dakota and Minnesota they ask 50c. per bushel more for corn grown like ours than we are asking.

ORLOFF OAT - the earliest of all—equal to barley as a cleaning crop the hardiest—the kind for the new settler—the only kind for "breaking." Yield-

ed 110 bushels per acre at Brandon Experimental Farm, 1909. Write for Catalogue and Prices.

WINNIPEG, CANADA



Note this Special It is Big Value

G 2324—Semi-Princess Dress made from fine quality English Lawn in one piece, with two piece effect. Two panels of fine Hamburg embroidery in-sertion down front. Neck and sleeves are also finished with embroidery insertion and French Valenciennes lace. Shoulders of dress are tucked back and front, and two panels of Hamburg embroidery inser-tion run in Prussian effect across front of waist. The skirt has the over-skirt effect, with a 20 inch kilted frill. This dress would be remarkable value at \$5.00 in any retail store in Canada. We have purchased an enormous quantity in order to sell at the price, and we offer it to you at the very low price of

Postage 22 cents.

This dress is made in white only. Sizes 32 to 44 bust.

This dress is taken from our catalogue and is typical of the values shown therein.

Montgomery, Ross & Company 32 McGILL COLLEGE AVE.

Box 110, Station B.

MONTREAL

Now is the time to prepare a catalog of your stock. Write to us for prices, giving size and number you require.

Every act, every thought, every rush of passion, every emotion, every movement of muscle or mind uses up some of the substance of our bodies, just as every step in walking helps to wear out our shoes. Food repairs the loss to some extent, but the power to digest food grows less, with use, from year to year. That is the reason, sooner or later, we must die.

Now take note. The faster you live, the more you waste; the more you Mrs. McGrego throw away, the sooner you come to the it yourself!

power to get it back.

to suffer distress after eating. The action of my bowels was irregular. I could sleep only by snatches. My face

much as the 50 cent size.

A. J. White & Co., Ltd., Montreal

years! I have unbounded confidence the Agricultural College to accommodate in this remedy!"

Mrs. McGregor had no further need for Mother Seigel's Syrup, because it restored her stomach, liver and bowels to healthful working order, and for twenty-six years they have done their digestive duty. The cures effected by Mother Seigel's Syrup are not only sure and speedy, but permanent too!

Mrs. McGregor has proved this! Prove

Once more. The great waster, the great thief of life is illness. Then you may lose in a month what might have lasted a year, and (remember) not merely of flesh and strength, but of the power to get it back.

Mr. John Stewart, of Piper's Glen, Inverness Co., N. S., writing us on January 31, 1910, says he owes the present good state of health to Mother by stating the following facts:

He says: "A few years ago I was you could live for ever; but most of ing for some time, you recommended to me as a possible was recommended to me as a possible by the case of Mrs. John W. McGregor, of McLarty, Algoma District, Ont. The syrup did me a great deal of good, Writing on January 25, 1910, Mrs. McGregor, and in a short time I was entirely cured."

"At the early age of fifteen I began The \$1 bottle contains 2½ times as

was pale, and frequently I had severe pains in my back. In 1888 I first began to use Mother Seigel's Syrup, and I found that it helped me. I used the Syrup with the best results, and I have had no further need of it for twenty-six wears! I have unbounded confidence the Agricultural College to accommodate

CONSERVING MOISTURE.

George P. Campbell discussed "Break ing and Summer-fallowing.' drove home the necessity of conservation of moisture above all things. is the thing to be aimed at if we want big crops. A crop is like so many pumps pumping moisture out of a field, and the moisture must be there for them to pump if the stalks of grain are going to produce good heads. In both breaking and summer-fallowing one must keep constantly before his mind this great necessity of stopping the escape of moisture. Thorough cultivation is the great means for doing this.

The sooner after the frost is out of the ground one can start breaking, the Here is where Mother Seigel's Syrup does its wonderful work. It gives you back lost power. Not all of it, for then sume a serious aspect. After sufferyou could live for ever; but most of it Convincing proof of this is afforded. moisture. This loss must be stopped, and the moisture saved for the growing of next year's crop. It can only be stopped by packing the sod and making a dust-mulch on top at once.

"Pull your horses off your plow at 4 o'clock," was Mr. Campbell's counsel,

'and disc what you have done. Don't give your disc more than one notch set, and give your breaking two light strokes. Then use a scrubber. You will then have packed your sod and made a shallow dust-mulch over it. This will prevent the all-important moisture from escaping.

He hammered home this necessity of discing, breaking lightly the same day you break it; also the importance of getting all breaking disced and ready for next year's crop before the end of July—before the rush of haying and harvest is on, when it is apt to get pushed to one side in the pressure of o many things. Then the wasteful evaporation of moisture is stopped, and all rain that falls is held. That backsetting is the gilt-edged way of handling breaking was admitted. The soft wheat that requires two distinct time it takes and the fact that the time it takes and the fact that the crop from it takes longer to ripen, are drawbacks to be considered, and which weigh heavily with most. Breaking about four inches was said to be sufficient. The usual way of discing was criticized, viz., cutting breaking to pieces with the disc, and leaving a mass of clods exposed to the heat and wind, instead of having a fine dust mulch instead of having a fine dust-mulch on top. If the disc is not set in too than two inches down, a fine dust-mulch will be formed, and the undersod will simply be packed, but will not be otherwise disturbed. Better crops will result, and it isn't as hard on horses. than two inches down, a fine dust-mulch will be formed, and the under

Though Mr. Campbell dealt with other important questions, especially the uses of summer-fallowing, I wish to draw special attention to what he said about the growing of soft wheats (such as Preston) in the Northwest, and the serious effect it is having on the price of our whole wheat crop. Mr. Campbell told us our No. 1 Northern wheat sold this fall in Liverpool for nine cents a bushel less than Australian which is a soft wheat. Our Red Fife cannot be equalled for milling qualities in the world. Yet our wheat brought 9 cents a bushel less than Australian wheat, when in the ordinary course of things it should have brought a cent or two more per bushel. Now the grower of Preston and other soft wheats haul their wheat to the elevator or ship to Fort William and Port Arthur direct, the same as the growers of Red No difference is detected in the two wheats, and the growers of Preston get the same grade as the growers of Red Fife; soft wheat and Red Fife elevator bins and loaded into the same boat, and are delivered to the Old Country miller as hard wheat, No. 1 Northern, Manitoba, No. 2 Northern, and so on. The Red Fife takes a certain amount of steaming to remove the bran much more than soft wheats need. When the miller looks at his rolls he is aghast to find that while some bran is coming off clean, other

Poor Digestion?

This is one of the first signs of stomach weakness. Distress after eating, sour eructations, sick headache, bilious conditions are all indicative that it is the stomach that needs assistance. Help it to regain health and strength by taking

for they are a stomach remedy that never disappoints. They act quickly and gently upon the digestive organs, sweeten the contents of the stomach, carry off the disturbing elements, and establish healthy conditions of the liver and bile.

The wonderful tonic and strengthening effects from Beecham's Pills, make them a safe remedy—they

Help Weak Stomachs

In Boxes as cents. Sold Everywhere.

bran is bringing considerable flour with it. This is the work of the growers of Preston and other soft wheats. The miller is losing flour. He is going in the hole. He doesn't have this experience often before he discounts No. 1 Northern, Manitoba, and comes to regard it with suspicion. He cannot separate the hard wheat from the soft, and when he buys No. 1 Northern, Manitoba, he now knows that he must take chances modes of treatment, which he cannot give, in order to release the bran.

Mr. Campbell urged farmers to do all they could to discourage the growing of soft wheats, which lower the standard of our wheat in the world's markets. Growing oats will solve the difficulty of a man who has gone into Preston to escape frost. This was backed up by the mention of one of the wealthiest farmers in the West, who had in the



TORTURING PAIN. CHRONIC WEARINESS.

WRETCHED DAYS. WAKEFUL NIGHTS.

It means being "done up," "played out," bowled over," "good for nothing," all the day and every day. It means starved blood, starved muscles, a starved body and a starved brain; in short, it means ruined health and a broken-down system unless you root it out without delay.

MOTHER SEIGEL'S SYRUP

Mother Seigel's Syrup is the standard remedy for indigestion in sixteen countries. Its unrivalled reputation is backed by nearly forty years' unbroken success in curing indigestion, biliousness, constipation, and bowels. Mother Seigel's Syrup is made from the extracts of certain roots, barks and leaves which exert a remarkable curative and tonic effect on the stomach, liver and bowels, and has no equal as a digestive tonic and stomachic remedy. This is the testimony of tens of thousands of persons whom it has cured after all other medicines had miserably failed. Here is a case in point: "Five years ago I began to feel out of sorts; felt weakness and lack of energy I had never felt before. I lost my appetite, and when I did eat a little I always had pains in my back and chest. I had headaches, giddiness, unpleasant breath and coated tongue. I began taking Mother Seigel's Syrup and in one month was completely cured."-George Morris, 18, Cathedral Street, Montreal. 28.6.09.

GIVES

STRENGTH TO THE WEAK.

TO THE LANGUID.

COMFORT TO THE DYSPEPTIC.



st signs of stomess after eating, k headache, bilall indicative ach that needs to regain health

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In Boxes 25 cents.

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DAVID Ross.



PLUG **TOBACCO**

or it.

z chew.

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

GENERAL

Questions & Answers

April 27, 1910

POWER FOR SMALL PULLEY

I have been running a circular saw with seven horse-power. Machine jack pulley, 21 inches; saw pulley, 10 inches. I have recently put 4 inch pulley on saw to increase revolutions. Does this make the work harder or easier, or any difference at all to the horses?

—M. L. F

Ans.—The smaller the saw pulley, with the same size jack pulley, the faster the saw will run, and the more power it will take, providing the saw was not running too slow in the first place, which I think must have been the case If the saw is now running at the proper speed to do good work it should take very little more power than it took to run it before the change was made. If you have a heavy flywheel on the saw-arbor, the saw should not take as much power at it took before, except when you are cutting up large sticks, for the momentum of the flywheel (or balance wheel) will carry the saw through the cut.

PREPARING SOD FOR POTATOES What is the best tillage before planting potatoes on rye grass sod? The soil is clay loam. It has been seeded down for three years.-A. B.

Ans.—The sod should be plowed about four or five inches deep, directly after haying or earlier, if not used for hay, then disk harrowed and worked down fine during the summer and early fall. If well packed in the fall or spring it will retain moisture. the cultivation has been thorough this season the soil will be fine and compact by May 15, when the potatoes can be plowed in under every third furrow. If the work has not been well done there is danger of the field being too

loose and dry for a good yield.
M. A. C. S. A. BEDFORD.

OATS ON WEEDY BREAKING

Last year I broke some weedy prairie land and backset it late in the fall. It was very dry, and the backsetting was not done thoroughly, as I could not go deep enough. I intend sowing wheat on this field, but I am afraid of thistles and sunflavore. A poighbor save the and sunflowers. A neighbor says the find.

Give them the most rigid inspection inside and and, therefore, they cannot grow. What would you advise me to sow, wheat, oats, flax or 60-day barley?—J. N. would you advise me to sow, wheat, oats, flax or 60-day barley ?—J. N.

Ans.—As a rule it pays best to sow wheat on backsetting, because it usually gives a large yield of excellent quality, and wheat straw is not as likely to lodge as oat straw. As you state that the land is not in very good condition, I would recommend the sowing of They do not require such thorcultivation, and with your conditions should not lodge. I would not anticipate any serious trouble from the

thistles in this year's crop. S. A. Bedford.

MORTGAGE ON LAND

A man holds half a section of land which is mortgaged considerably by giving a second party a second mortgage on same as security for a debt. the second mortgagee compel the first

the second mortgagee compel the first mortgagee to foreclose, and how long is it before they could sell?—EMERALD.

Ans.—As soon as either of the mortgages are in arrears either of the mortgages are made of superior quality of leather, as waterproof as leather can be tanned. Wonderfully soft and pliable—never gets stiff. The soles and sides are made out of one piece of special light, thin, springy, rust-resisting Steel. Steel Rivets, which prevent the bottoms from wearing out. Rivets easily replaced when partly worm. 50 extra rivets cost only 30 cents and should keep the shoes in good repair for at least two years! No other repairs ever needed! The uppers are tightly joined to the steel by small rivets of rust-resisting metal, so that no water can be tanned.

THE CANADIAN LIGHTNING ARRESTOR AND ELECTRIC COMPANY PRO. TECTION MANY ELECTRICAL STORMS ARE PREDICTED FOR 1910. WE GUARANTEE PROTECTION MR. FARMER - Did you ever consider the great amount of damage done to buildings by Lightning? The season is close at hand when you should consider protecting your life and property. It takes years of hard labor to build up a nice home and family. Lightning will destroy it in a few minutes. Now is the opportune time to protect your property from lightning with the PURE Townsley System Manufactured in Winnipeg We sell through retail dealers. Write us for our free booklet at COPPER O. W. Townsley, Manager JHTNING ARE

Will Surprise and Delight You With Their Lightness, Neatness and Comfort Their Almost Unbelievable Durability

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INNIPEG - MANITOBA

We want you to slip your feet into a pair of Steel Shoes—to FEEL and SEE and KNOW how much LIGHTER, NEATER, STRONGER, more COMPORTABLE they are than any other work shoes in existence. Hence we are making this special FREE EXAMINATION OFFER, merely asking a deposit of the price, while you are "sizing up" the shoes. If they fail to convince you IMMEDIATELY you can notify us to send for them at our expense and we will refund your money AT ONCE.

Sizes 5 to 12. Black or Tan Color.

The Shoes Must Sell Themselves

WINNIPEG

MAN.

We ask no favors for Steel Shoes. Compare them with the best all-leather work shoes you can

Better than the Best

All-Leather Work Shoes

Steel shoes are the Strongest and easiest work-Steel shoes are the Strongest and easiest working shoes made.

There's more good wear in **one pair** of Steel Shoes than in **three to six pairs** of the best all-leather work shoes. The leather is waterproof. The Steel Soles are **wear-proof** and **rust-resist-**

They are lighter than all-leather work shoes. Need no breaking in. Comfortable from the first moment you put them on. Impossible to get out of shape. They keep the feet dry. They retain their flexibility in spite of mud, slush or water. They cure corns and bunions, prevent colds and rheumatism—save doctors' bills and medicines.

Thousands of Farmers Shout Their Praises

The enthusiasm of users knows no bounds. People can't say enough for their comfort, economy, lightness and astonishing durability. The introduction of Steel Shoes in a neighborhood always arouses such interest that an avalanche

6, 9, 12 and 16 Inches High

Steel Shoes, 6 inches high, \$2.50 per pair.

Steel Shoes, 6 inches high, better grade of leather, \$3.00 per pair. obliged to hand over the balance over and above the first mortgage and costs, to the second mortgagee.

Interior and add to ease of walking.

STEEL SHOE

STEEL SHOE

Great Britain Factory. Northampton, Eng.

Main Factory, Racine, Wis., U. S. A.

Great Britain Factory. Northampton, Eng.

Steel Shoes, 6 inches high, extra grade of leather, black or tan color, \$3.50 per pair.

Steel Shoes, 9 inches high, \$4.00 per pair.

Steel Shoes, 9 inches high, extra grade of leather, black or tan color, \$5.00 per pair.

Steel Shoes, 12 inches high, \$5.00 per pair.

Our Three Creat! Factories in Racine, Toronto and Northampton, England, Al-most Overwhelmed by the World-wide

Demand The success of Steel Shoes is almost startling. Within three years we have established Steel Shoe factories in Racine, Wis.; Toronto, Canada, and Northampton, England. These great factories, running at full capacity, can scarcely keep up with the demand from all over the world. The public is rapidly learning that Steel Shoes are

Good for the Feet! Good for the Health! Good for the Bank Account These shoes are better for the feet, better for the health, better for the pocketbook than heavy work shoes or rubber boots.

You Actually Save \$5 to \$10 a Year

by wearing Steel Shoes. *Figure it out for yourself. One pair will outlast 3 to 6 pairs of ordinary work shoes. They save all repair bills and keep your feet in perfect condition.

Free Examination

And Your Money Back Promptly if It Looks Better Than the Shoes

You owe it to yourself to investigate. Get a pair of Steel Shoes for Free Examination by sending the price, which will be returned if you and your own feet are not convinced of their merits.

Send for Book, "Sole of Steel." or order Steel Shoes on blank below.

Why Wait? Send Now!

No risk! No bother! No obligation! Don't hesitate! Act while this offer is open! Simply fill out the coupon, stating size of shoe you wear. Enclose the price and get the shoes for Free Examination. Steel Shoes, 12 inches high, extra grade of leather, black or tan color, \$6.00 per pair.

Steel Shoes, 16 inches high, extra grade of amination.

For general field work we strongly recommend our 6-inch high Steel Shoes at \$3.50 per pair, or the 9-inch at \$5.00 per pair. For all classes of use requiring high-cut shoes our 12 or 16-inch high Steel Shoes are absolutely indispensable. Shoes can be returned at once if not O. K., and the money will be refunded. leather, black or tan color, \$7.00 per pair.

MONEY BACK COUPON

N. M. RUTHSTEIN, Sec. and Treas. Steel Shoe Co., Dept. 427, Toronto, Can I enclose \$...., for which please send ...pair of Steel Shoes, size for

Free Examination

If I am not pleased I can return shoes immediately and get my money back at once.

Address

SALE AND FOR WANTS

TERMS—Two cents per word per insertion.
Each initial counts for one word and figures for
two words. Names and addresses are counted.
Cash must always accompany the order. No
advertisement inserted for less than 50 cents.

PARM HELP of every description supplied.
M. MacNeil, 215 Logan Ave., Winnipeg.
'Phone 7752.

leaving shortly to bring to Winnipeg general servants having first-class references. 215 Legan Ave., Winnipeg.

BRITISH COLUMBIA REAL ESTATE—Fort George, British Columbia—Grand Trunk Pacific Railway terminal. Centre richest farming area. Banks, business establishments already purchasers. Lots \$150 cash, Farm lands also. Northern Development Go., Vancouver, B.C.

FRUIT LANDS—OK AN AGAN FRUIT LANDS—grow prize-winning fruits commanding top prices. Low prices, easy terms Illustrated booklet. Panton & Emsley, Vancouver, B.C

IP YOU WANT WORK or help of any kind end particulars to THE SASKATCHEWAN EPPLOYIENT BUREAU, PEART BLOCK, REGINA, SASK., "The best in THE WEST."

POR SALE—Good, clean seed barley, raised on new breaking; free from foul seed; also Abundance cats, 100 bushels per acre last year; weight, 45 pounds per bushel. For prices address H. O. Hutchins, Box 66, Keeler, Sask.

WARTED—End of April, an improved farm near Edmonton and railway. Stock, pigs, poultry, implements, etc. Full particular, price, etc., to Farmer, Farmer's Advocate.

POR SALE—Pure "Gold Coin" potatoes, 3c. per pound, \$1.50 per bushel, f. o. b. Lemberg. R. W. Allen, Cristo Farm, Lemberg, Sask.

TANWORTHS FOR SALE—Boar "King Edward 5786," sow "Belle 5874"; age twenty menths. Both prize winners and excellent breeders. W. H. Hicks, Seuris, Man.

BRITISH COLUMBIA-Send for full particulars; beautiful suburban homesites near Van-couver; full quarter acres; easy terms. Write Western Brokerage Co., 720 Pender St., West, Vancouver, B. C.

FOR SALE—Pure "Prairie Flower" potatoes; early variety; good yielder; \$1.00 per bushel f. e. b. Macdonald; bags, 10 cents extra. Thos. Walker, Macdonald, Man.

FOR SALE—Sixty-day beardless seed barley; clean; 60 cents per bushel; bags free. A. J. Merrison, Grenfell, Sask.

WE CAN SELL your property: send description. Northwestern Business Agency, Minneapolis.

FOE SALE—Early Rose, Early Ohio, Early Sunlight new Early Short Season and Early Lightning Express seed potatoes, 4 lbs. 50c., or 10 lbs. \$1.00, postpaid Barred Plymouth Reck and Pekin Duck eggs, \$1.50 per setting. T. E. Bowman, High River, Alta.

LOCAL AGENTS—We have some very good openings in Saskatchewan and Alberta for good live men willing to give their whole time or part of same in doing subscription work for the Advocate. Good commission paid to reliable people. When writing enclose references as to character, etc. Address Farmer's Advocate, Box 3089, Winnipeg.

PLACE your orders for fence posts now. Carlot f.o.b. your station. Lowest prices: Direct from bush. Fruit land for sale or trade for stock or improved farms. J. H. Johnson, Malakwa, B. C.

BRITISH COLUMBIA—Are you interested in British Columbia? Send postal for free sample copy of Vancouver Daily World and full particulars of their great dot contest. Two premiums of \$25 a month for life are among the prizes. Send at once. The World, Vancouver, B. C.

WESTERN RYE GRASS SEED for sale at 8 cents per lb. in bran sacks, f. o. b. Virden. W. Dillon, Box 657, Virden.

SOUTH AFRICAN WARRANTS—I will sel two at bottom price. I will buy any number at market prices, subject to confirmation. E. B. McDermid, Nelson, B. C.

OELOFF OATS for seed. Absolutely clean at 60c. per bushel; bags extra. A. A. Titus, Napinka, Man.

VANCOUVER ISLAND FARMS—Comox district. For information in good farming land, mines, fishing, timber, write F. R. F. Biscoe, Real Estate Agent, Comox, B. C.

WANTED—Engineer holding third-class certificate wants position on plow engine. Do my own repairing. Sober man. Apply Box 293, Wapella, Sask.

cents per word.

LOST—Sorrel mare, stripe down face, Roman nose; Jimmy mule, buckskin, black stripe down back, halter on, wire cut on right hind foot. Reward \$30.00 for recovery, or information leading thereto. Address John E. McLeod, Thacker, Sask.

GUS WIGHT, Evergreen Stock Farm, Napinka, Man. Clydesdales, Shorthorns and Berks. Man. Clydesdale Write for prices.

W. J. TREGILLUS, Calgary, Alta., breeder and importer of Holstein-Friesian cattle.

McKIEDY BEOS., Mount Pleasant Stock Farm, Napinka, Man., breeders and importers of Clydesdales and Shorthorns. Stock for sale.

D. P. WOODEUFF, Caldwell, Alta., breeder of Kentuck Saddlers, young registered stallions of besty breeding for sale H. C. GRAHAM, Lea Park, Alta.—Shorthorns, Scotch Collies and Yorkshires, for sale.

H. W. BEVAN, Duncans, Vancouver Island, B C., breeds the best strains of registered Jerseys Young stock for sale.

HEREFORDS—Pioneer prize herd of the West. Good for both milk and beef. SHET-LAND PONIES, pony vehicles, harness saddles. J. E. Marples, Poplar Park Farm, Hartney, Man.

BROWN BROS., Ellisboro, Assa., breeders of Polled-Angus cattle. Stock for sale.

MORRISON BRUCE—Tighnduin Stock Farm, Lashburn, Sask., breeder of Clydesdales and milking Shorthorns.

WALTER JAMES & SONS, Rosser, Man.
All Shorthorn bulls sold excepting some good calves. Prices right. Four Yorkshire and two Berkshire boars fit for service, \$18.00

CEMENTING SPRING

I have a spring which I want to cenent and run the water into a tank. How should the cement be put down so the frost will not heave it? Can I get rid of the waste water by drilling a hole by the side of the tank and run-ning the water into the hole?—J. G. H. Ans.—You should experience no

trouble from the frost tending to heave a concrete box about the spring if the Lost, Strayed or Impounded

This department is for the benefit of paid-up subscribers to the FARMER'S ADVOCATE, each of whom is entitled to one free insertion of a notice not exceeding five lines. Over this two cents per word. the ground level, depending on the severity of the winters in your locality Pack earth well over the cover and the heat of the water coming from the spring will protect the box from frost. In order to box in the spring with NOVEMBER 10—One bay mare pony with star in forehead, age four years. Brand O with mark on right jaw and shoulder. \$10.00 reward will be given for information leading to her recovery Address C. M. Peterson, concrete you will have to build a form small enough to allow for a wall about three inches thick. Before the concrete is put in the forms, a pipe should be run through the wood down near the bottom to allow for running the water to the storage tank. It would be well to have the pipe high enough so that about one foot of water would collect in the spring before any ran out to the storage tank. The proper proportions for the concrete would be one part of cement to six parts of gravel best in the West. Eggs, \$1.50 and \$2.00 per 15; \$7.00 per 100. Eight chicks guaranteed per setting. Mating list free. Henry H. Pearson, Stonewall, Man.

EGGS FOR SALE—Purebred R. C. Rhode Island Reds, \$2.00 per setting of fifteen. Also Hawkins' prize strain of White Wyandottes. From pen No. 1, \$1.50 per setting of fifteen; pen No. 2, \$1.00 per setting. Only tested eggs sold. Rev. W. Bell, Abernethy, Sask. dry, tamping as you go, until there is very little water standing in the forms Then add water to the remainder of the cement and gravel and mix. Have just enough water in the mix so that some will come to the surface of the concrete where it is tamped in the scantling. A wooden cover should be ample for the top. In fact, a strong, tight wooden box made of white pine and sunk over the spring would do almost as well as concrete. I have seen Roup cure, 50c. guaranteed Lice powder, 40c. Head lice ointment, 25c. Leg bands, \$1.00 per 100. Poultry punch, 25c. Sprays, \$1.00. Humphrey's bone cutter, \$17.50. Book on poultry, 5c. F. Bradshaw, Regina, Sask. but unless your soil contains a great deal of sand and gravel, the waste water could not be drained away by running it into a hole beside the storage tank. It would be best to tile it off

L. J. SMITH. PUMPING FROM CREEK

to a lower level.

My stable is situated on bank of avine through which flows creek about 100 feet from stable. Vertical height from level of creek at low water about 15 feet. Give best procedure to manip ulate a pump in stable, and best type of pump. Sometimes there are little weeds in water. Same water is used for drinking and household use.—En-QUIRER, Sask.



EAST **KOOTENAY**

SPLENDID SOIL GLORIOUS CLIMATE

The Fruit industry in Southeast Kootenay is destined to become world renowned.

Apple trees are now coming in by the car load. Finer strawberries cannot be seen than those grown in our district.

The climate is unexcelled, both winter and summer.

Land is now reasonably cheap, but with the construction of the Kootenay Central Railway this spring we look for a large influx of settlers, and prices are bound to stiffen. Our special offer this week is: 10 acres of IRRIGATED fruit land, 5 of which are cleared and fenced, three acres planted in fruit trees now four years old, two acres in potatoes. A very comfortable four-roomed residence on the property; 25 minutes walk from Cranbrook post office and public school. Splendid location and very best soil, plenty of water. Price, only, \$3,000.00; terms, \$500.00 cash, belonger to guit numbered. balance to suit purchaser. This is an ideal ready-made home.

If you are interested fill out the coupon below and mail us at once.

BEALE & ELWELL CRANBROOK, B.C.

Send to me free and without any obligation on my part full particulars of your ten acres of irrigated fruit land.

Occupation

P.O. Address



EGGS AND **POULTRY**

FOR SALE-S. C. B. Leghorns and S. C. Wyandottes, eggs at \$1.00 per setting, from sebirds. Duncan Vipend, Killarney, Man.

SIVELY — Winnipeg at Winnipeg Poultry
Shew on six entries, five firsts, one second and
all specials offered. Birds and eggs for sale.
Correspondence solicited. W. J. Currie,
Leuder.

BARRED PLYMOUTH ROCKS and Indian Runner Duck eggs, \$2,00 per setting, or 2 settings for \$3.00. A satisfactory hatch, or order refilled at half price W. R. Barker, Deloraine, Man.

R. P. EDWARDS, South Salt Spring, B. C. Eggs for sale from the following breeds, by settings or the hundreds: Buff Rocks, Rhode Island Reds, Black Minorcas, Blue Andalusians, Speckled Hamburgs, White Wyandettes, Pekin Ducks, Indian Runner, Ducks. Stock for sale

PUREBRED HATCHING EGGS—Buff and Columbian Wyandottes, Brown Leghorns and Buff Cochins. Equals of most three-dollar eggs. Fifteen, \$1.50; thirty, \$2.50. J. E. Sinclair, Stonewall, Man.

PUREBRED S. C. BUFF ORPINGTON eggs \$1.50 for 13; also Bronze turkey eggs, for 12. Mrs. W. H. Read, Nanton, Alta

BUFF ORPINGTON eggs for hatching, \$2.00 per setting; \$8.00 per 100, from grand flock with free range. Collie pups, \$5.00 each W. J. Lumsden, Meadows, Man. SET FERTILE EGGS ONLY—Use a Magic Egg Tester; costs only \$2.00, and we will return the money if you are not satisfied. West Poultry Yards, Milestone, Sask.

EGGS FOR SALE from prize-winning, pure-bred White Rock and Silver Spangled Ham-burgs. For the balance of the season, \$1.50 per 15 eggs. Roy Hipswell, Stonewall, Man.

BATES—Two cents per word each insertion; cash with order. No advertisement taken less than fifty cents.

FOR SALE—S. C. B. Leghorns and S. C. Wyan-

ROSE-COMB RHODE ISLAND REDS-The

BARRED ROCKS—Bred to lay, \$1.50 and \$2.00 for 15 eggs. Mrs. Montague Vialoux, Littlecote Poulty Yards, Sturgeon Creek, Man.

BOYAL WHITE WYANDOTTES—The best strain in Western Canada. Eggs, \$2.00 for 15; \$5.00 for 45; \$10.00 for 100. F. W. Goodeve, Stonewall, Man. Register and Eggs. Buff and The Leghorns and The Leghorns

Poultry Yards, Box 75, Elkhorn, Man.

EGGS FOR SALE—S. C. B. Leghorns; Regal Strain White Wyandottes; Barred Plymouth Rocks; Special Matings; winners at New York, Boston, Buffalo, Chicago and Guelph. Leg-horns, \$5.00; Wyandottes and Rocks, \$3.50 per 15. Lakeside Poultry Grove, Killarney, Man. W. J. Saunders, Prop.

PRIZE WINNING WHITE HOLLAND TUR-KEYS, Washington show, 1909; White Wyandotte, Rock and Leghorns from Experiment Station. Day-old chicks. Hen and turkey Eggs. All Saints Cottage, Berwyn, Maryland, United States.

BREEDERS' DIRECTORY

Breeder's name, post office address and class of stock kept will be inserted under this heading at \$4.00 per line per year. Terms cash, strictly in advance. No card to be less than two lines.

D. SMITH, Gladstone, Man., Shires, Jerseys and Shorthorns, Yorkshire hogs and Pekin ducks.

McIVER, VIRDEN, MAN .- Shorthorns, a few two and three-year-old heifers for sale at a little over beef price. Three-year-olds in calf or calved. Write for particulars

C. G. BULSTRODE, Mount Farm, South Qu'Appelle, Sask. Breeder of Berkshire Swine.

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ROOFING

April 27, 1910

The "Eastlake" Steel Shingle is the only absolutely weathertight shingle on the market. Let us tell you why. A shingle to be proof against the severest storms must have at least a three inch overlap. The

Steel Eastlake Shingle

is the only shingle that has that much. The so-called four-lock shingles have only



MANUFACTURERS

Helallic Roofing Co

Western Canada Factory, 797 Notre Dame Ave., Winnipeg.



40 YEARS PROOF You don't need to ax vin, Ringbone, Curb, nt, Capped Hock, illen Joints, Old is, or any Lameness KENDALL'S

Spavin Cure has been the world-wide remedy for 40 years. ms been the world-wide remedy for 40 years.
Johnville, Que, Jan. 9, 1908.
I have used your medicine for nearly forty years, and ow I take the liberty to ask you to forward one of your cooks to me. I one had a horse with two Bog Spavins. tried your Cure and at the end of four months be was as mooth as the day he was foaled.
Yours respectfully, John Smith.
A. a bottle-6 for \$5. Get our book "A Treatise On he Hone" at dealers or write us.

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



Kill the Ticks

Ticks are not only distressing to the animal but injure the fleece, and can be speedily destroyed with one part of

Dr. Hess Dip Disinfectant

to 80 parts of water. This preparation not only kills the ticks, but destroys the poisonous germs of disease. Dr. Hess Dip and Disinfectant is also excellent for disinfecting barns, cow stables, hog pens, chicken yards, sinks, drains, cellars, cess-pools, etc.

It also kills lice, mites, sheep ticks, fleas and all parasitic skin diseases, such as sheep scab, mange, eczema, etc.

One of Dr. Hess Dip and Disinfectant to 70 parts of water meets the United States Government requirements for official dipping.

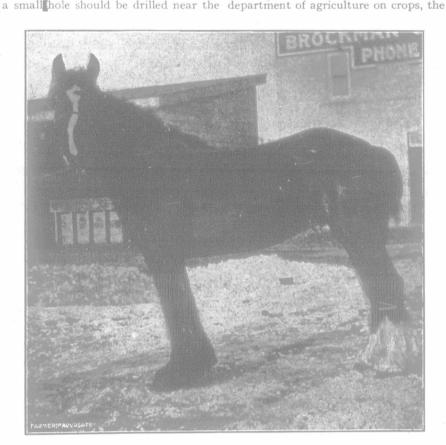
If your dealer cannot supply you, we will. Write for circular.

DR. HESS & CLARK Ashland Ohio. U.S.A.

A A

between the cylinder and the pump boundary. This was at Rampart, in base; fasten the base and the pump the Mackenzie Valley. Towards the is ready for work. Be careful to make equator the limits of wheat vary beall joints tight. Put lead or graphite tween 20 and 25 degrees north and and oil on all pipe threads. If there is no provision for draining the pipe In the March "Crop Reporter," the above the cylinder in cold weather, monthly bulletin of the United States a small hole should be drilled near the department of agriculture on crops the

This question is a little indefinite, self has been found in prehistoric works but if the object is to place a pump in and monuments. So far as known, the stable and get the water supply wheat was not grown in America before from the creek which is one hundred the discovery by Columbus. The befeet away and fifteen feet below the lief most generally held regarding the level of the stable floor you should have geographical origin of wheat, is that no truthle numping water under these it once graw wild in the valleys of the no trouble pumping water under these it once grew wild in the valleys of the conditions if the pump is put in carefully. I would run the supply pipe spread to the rest of the world. Alfrom the creek to the point below the though grown under a very wide range barn just under where the pump is to of climatic conditions, the bulk of the barn just under where the pump is to be set, putting the pipe in as nearly world's crop is produced in the temlevel as possible without bringing the cost of ditching too high. Then screw in the different parts of the world on an elbow and a short piece of pipe changes with the climate, which is the pointing up towards the pump. Next factor that determines largely its screw on the cylinder of the pump. The lower down the cylinder is, the northerly point at which wheat has better will the pump work. The ideal been known to mature on this continent condition is to have the cylinder at water level, for then there is no priming 200 miles south of the Arctic circle and to be done. Next screw on the pipe 1,000 miles north of the International between the cylinder and the pump boundary. This was at Rampart, in



GOOD AVERAGE HORSE FOR THE PRAIRIES. ONE OF THE MANY BROUGHT WEST RECENTLY.

might clog the strainer itself.

upon what you want to do with it. the house, then you will have to buy a the list force pump; otherwise any common By continents the production is force pump; otherwise any common follows: North America, 911,000,000; pump will do as long as it has a good follows: North America, 189,000,000; Europe, South America, 189,000,000; Europe, South America, 189,000,000; Africa, 180,000,000; Africa, 180,000,000; Africa, 180,000,000; Africa, 180,000,000; Africa, 180,000,000; Europe, 180,000; Europe, would hardly do under these conditions. L. J. SMITH.

ORIGIN OF WHEAT.

M.A.C.

Where did wheat originate; what influences its geographical distribu-tion; what was the world's wheat crop in 1909, and of this what quantity did the Dominion produce?

languages. Furthermore, the grain it- at 166,744,000 bushels.

lower end of the pipe where it screws world's wheat harvest of 1909 is given into the cylinder. On account of there in countries and continents. All the being such a long run of pipe between the cylinder and the creek, it would be are represented. Of South America better to use the next larger size pipe but three—Argentina, Chili and Urabetter to use the next larger size pipe than the cylinder connections call for guay—are listed as wheat-producing, and bush it down to the proper size at the elbow just below the cylinder. New Zealand are considerable growers. It would also be well to put a check or foot valve and some kind of a strainer at the point where the water enters the pipe at the creek. A piece of wire netting should do very well for a strainer and should overcome any trouble with to Europe as a wheat area, wheat growand should overcome any trouble with to Europe as a wheat area, wheat grow weeds, except once in a while they ing centers largely in India and Asiatic Russia. Turkey is a reasonably large The style of pump to buy will depend grower, and Japan important. In the pon what you want to do with it. report China does not figure at all— If you intend to pump water up into the only important nation absent from

By continents the production is as 1,143,000,000; Asia, 430,000,000; Africa, 66,000,000; and Australasia, 73,000,000, making a grand total for the world of bles were painful. I suffered very 3,616,000,000 bushels.

In this production Russia leads with a total for her European and Asiatic possessions, of 783,000,000 bushels; the lows with 356,000,000; and British India is a strong fourth, producing, according to the latest figures, 283,000,000. Other Ans.—Wheat is probably a native of countries that figure prominently in western Asia, and its cultivation is very export production are Canada, the Arancient. The Chinese are said to have grown wheat 2,500 years before the Christian era, and the plant is also known by different names in most ancient port of the census and statistics office, like a value of the census and statistics office, and the plant is always always and statistics office.

Trouble with the Stomach

That can only be cured when liver and kidneys are set right by DR. A. W. CHASE'S KIDNEY and LIVER PILLS.

It is customary to put all the reponsibility on the stomach for indiges-

tion and its accompanying discomforts.

This is all wrong, for almost always the liver and kidneys are to blame, and you find among the symptoms constipation, backache, biliousness and headache

You will be surprised how quickly Dr. A. W. Chase's Kidney and Liver Pills will regulate the liver, kidneys and bowels and get the digestive system into good working order.

If you are in earnest about a cure don't bother any more with mere aids to digestion, but rid the whole system poisonous impurities by using Dr. W. Chase's Kidney and Liver Pills, and you will know once again the pleasure of living.

This medicine gets at the cause of trouble and makes the cure complete. One pill a dose, 25 cents a box, all dealers, or Edmanson, Bates & Co., Toronto. Write for free copy of Dr. Chase's Recipes.

NON-SUPPORT OF WIFE.

What can be done when a man refuses to support his aged wife and turns her out, though he is plenty able to support her in comfort if he would do

2. Can one sue him for support?

3. Is there, or can a bill of separation be obtained in Alberta?

4. Can a wife claim any share of property belonging to husband if it was stock, etc.? Or, can he turn her out and sell the property? The wife has children, but they are not at present fixed so as to care for their mother properly.

Ans.-1 and 2. If a man refuses to support his wife he can be prosecuted, and he can also be sued if he is worth it for her support.

3. Yes. A separation may be obtained for non-support or other causes. This will be a civil action.

4. A wife has no dower in Alberta, and she could only claim support from the husband, but a husband could not neglect to support his wife or put her out without being liable to prosecution and a civil action.

EVERY DAY BRINGS A FRESH PROOF

THAT DODD'S KIDNEY PILLS ARE A BOON TO SUFFERING WOMEN

Mrs. Rousseau tells how they cured her after three years of almost ceaseless pain.

Hintonburg, Ont., April 25 — (Special).—Every day furnishes fresh proof that the women of Canada can be cured of ailments which have hitherto seemed to be a part of the inheritance of the sex by the use of Dodd's Kidney Pills. And this place has a living proof in the person of Mrs. William Rousseau, of 37 Merton Street.

much with my back. My head ached almost continuously and I scarcely knew what it was to be free from pain I was very weak and run down. Occa-United States is a reasonably close sionally my hands would swell up, and second with 737,000,000; France fol-this, too, gave me a great deal of ansionally my hands would swell up, and noyance and discomfort. I began to use Dodd's Kidney Pills and very soon commenced to improve. Three boxes

cured me completely."

Nine-tenths of suffering women's troubles start from diseased kidneys. cure diseased kidneys

Don't Judge a Roofing by its Looks

Most ready roofings look the same. The weather alone finds the hidden weakness.

You can't tell by looks which roofing will last or which will go to pieces in a season.

But you CAN do this. You can identify from its 300 substitutes the ONLY roofing which has lasted.

RUBEROID ROOFING

Fac-simile of the "RUBEROID MAN" on the wrapper and the word "RUBEROID" is stamped every few feet on the underside of the fabric.

Write us for a copy of our FREE BOOK which gives you valuable information about all roofings.

WRITE TO-DAY.



Manufacturers

MONTREAL

Dealers Everywhere

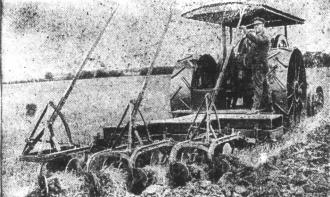


Not for the prizes involved, but to establish beyond question in the agricultural world the superiority of International tractors, we entered the many important plowing competitions held in America and Europe during 1909. Victory after victory for the International was the result. At the exhibition at Amiens, France; at Winnipeg, Manitoba; at Brandon, Manitoba, and at Aurora, Illinois, International tractors left the field victorious in all instances.

These demonstrations of superiority in plowing and hauling contests are duplicated every day in agricultural field work. For instance, a 20-horse power International tractor plowed 1640 acres in one season in the Province of Saskatchewan. Because of its simple, practical, correct design, the International tractor turned over the regulation number of acres every day without any

If you buy a tractor, do you not want an absolutely dependable tractor that will plow the maximum number of acres day in and

day out on a minimum fuel consumption? The practicability of International tractors cannot be questioned. The engine, the source of the power, is not an untried engine. It's the I H C engine which has been on the market for years, tested under



every conceivable condition and never found wanting. The mounting is the best that brains and money can devise, and the principle of power transmission from the engine to the main drive wheels is the principle used so successfully for years on the big, powerful steam tractors. You see there isn't an experimental feature about International tractors.

International tractors are bringing about a revolution in the methods of tilling. They are bringing a day of greater possibilities for the farmer—increased profits and freedom from slow, hard, tedious work. These tractors are equally serviceable for hauling purposes and delivering power from the belt.

Besides International tractors, the I H C line includes general purpose gasoline engines from 1 to 25-horse power, vertical and horizontal, portable and stationary, adapted for all farm work.

It will be of considerable advantage to you to call on our local agent for catalogues and full information. Write International Harvester Company of America at nearest branch house for these today.

CANADIAN ERANCHES: Prandon Cal-gary, Edmonton, Hamilton, London, Mon-treal, Ottawa, Regina, Saskatoon, St. John, Winnipeg, Yorkton.

INTERNATIONAL HARVESTER COMPANY OF AMERICA CHICAGO (Incorporated)

Company of the second of the s



FIRE-GUARDS.

Can a man collect damages for a We are living in the herd law section building on the prairie without fire- of Saskatchewan and would like to be guard, and if not, how wide must the enlightened regarding this law. guard be according to law?

Ans. A man can collect damages for a building burned or for damage done by prairie fire, whether his property implement shed near his dwelling, has

PROTECTING IMPLEMENTS

1. Can a man run at large a bull, if registered, and if so at what age can W. J. G. registered, and it so a. he be allowed to run at large?

he to barricade the building to protect rounded by a lawful fence.

contents from eattle running out likely to be successful. through winter, or is owner of these cartle obliged to pay damages caused by his cattle by reason of them through hunger and thirst having smashed or damaged the machinery?—Subscriber.

Ans.— 1. No, not at any age.

POWER OF WINDMILL

What horse power will the average 10 ft. windmill, in a wind with a velocity of 30 miles per hour, make?—G. E.

Ans.—The horse power developed by windmills having the same diameter wheel, varies a great deal with the different makes. In general the steel windmill will develop about twice the power that a wooden one will, under the same conditions. Practically all tests of windmills have been made in the United States under wind conditions of less than thirty miles an hour. The following are results of tests of 12 ft. wheels of different makes (no tests of 10 ft. wheels being available), where the wind velocity was twenty miles

Kind of Wheel.	Diam- eter.	No. of Sails.	Horse Power.		
Wood	12 ft.	96	.357		
Steel	12 ft.	18	1.05		
Steel	12 ft.	21	.606		

A ten foot steel windmill will develop rom three-fourths to one horse power when the wind velocity is thirty miles per hour. It is important to see that all friction parts of the mill are kept carefully oiled in order to get the greatest possible power.

BOILER INSPECTION

1. What are the duties of the boiler inspector in Saskatchewan?

2. Can he condemn an engine and forbid you to use it, and if forbidden to use it for threshing, could it be used for home work?

3. If condemned should he give a written statement to that effect or not?

4. If the inspector comes and without condemning the engine, can he deliberately pound holes in it? After week or so can he come back and on finding the hole fixed, pound two more holes when he knows it can't be fixed. and leaves no statement or any word as to why he did this, the owner being absent?—R. E.

Ans. - 1. Send to deputy minister of public works, Regina, for copy of Steam Boilers' Ordinance.

2. If an inspector condemns an engine you would not be at liberty to use it either at home or away from home. 3. The inspector should give a written statement if requested.

4. No. If any inspector should be guilty of the conduct referred to by you in your last question you should immediately report him to the minister of public works at Regina, and in any event any person has the right to appeal against the decision of an inspector, and the department will take the matter up and have the boiler inspected by someone else.

Questions & Answers

VETERINARY

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

DISEASE OF STIFLE JOINT.

Horse ten years old dislocated patella a year ago; blistered repeatedly with little effect. Still very lame, but in good condition. Would you recommend an operation after so long standing, or would firing and blistering

eo di th

do

be of any use?

Ans. - We know of no operation that is likely to be of any benefit in this case. The lameness has existed so long that by this time certain destructive charges have taken place in the joint, corsequently treatment of any kind is not

BOAR FLESH AS FOOD.

Does the fact that a hog has been neglected to be castrated render the meat any less wholesome, or is the

taste in any way affected? I. R. Ans.—There are two principal reasons why the flesh of "boars" is ob-

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DMILL ll the average with a velocity e?-G. E. · developed by

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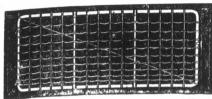
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FOOD.

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I. R. principal reaboars" is ob-



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jected to for human food. One is on ecount of the specific odor which is observed in sexually mature boars. The other reason is that the flesh of these animals when they have become aged is tough and difficult to digest. The flavor of the meat is also repulsive. It is customary to speak of this abnormal odor, which is especially strong in the meat of the hindquarters of boars, as urinous, because it possesses a certain similarity to the odor of decom-Leading authorities main tain that odorous meat under all cir cumstances is an unfit food material.

COLOSTRUM AS HUMAN FOOD.

In the north of England the biestings or colostrum of a cow just calved is usually thought to be quite a treat for puddings, etc. Are there any scientific grounds for objections to this practice, or is it merely sentimental? How often should a cow be milked before

Could Not Sleep In The Dark.

Doctor Said Heart and Nerves Were Responsible.

There is many a man and woman tossing night after night upon a sleepless bed. Their eyes do not close in the sweet and refreshing repose that comes to those whose heart and nerves are right. Some constitutional disturbance, worry or disease has so debilitated and irritated the nervous system, that it cannot be quieted.

Mrs. Calvin Stark, Rossmore, Ont., writes:- "About two years ago I began to be troubled with a smothering sensation at night, when I would lie down. I got so bad I could not sleep in the dark, and would have to sit up and rub my limbs, they would become so numb.

My doctor said my heart and nerves were responsible. I saw Milburn's Heart and Nerve Pills advertised and got a box te try them. I took three boxes and cam now lie down and sleep without the light burning and can rest well. I can recom-mend them highly to all nervous and rum down woman.

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using the milk for human consumption? May I ask for an explanation of the properties of biestings and its origin CURIOUS.

Ans.—The first milk, or colostrum, secreted after parturition is a viscid, dirty white or yellowish fluid, sweet but unpleasant to the taste. When allowed to stand for some time it has a thick layer of tough cream. It coagulates at a comparatively low temperature into a semi-solid mass. It is very rich in solid elements—fat cells leucocytes, epithelium and pus cells The colostrum corpuscles appear to be only leucocytes or epthelium from the walls of the milk ducts, and undergoing degeneration. The fat cells contain oil, which acts as a natural purgative to the young creature, and is essential to its well being. It is considered to be neither clean nor wholesome as food for human beings, When ingested it liable to produce violent abdominal pain, and severe diarrhoca, especially in very young or aged persons. Health authorities prohibit the use of the milk for three days before and five days after parturition.

PARTIAL PARALYSIS.

Mare four years old was stricken last June with what appeared like rheumatism. Never thoroughly covered. Twice during the winter she could not get up without help for a week at a time. She feeds well, and is in good condition, but does not gain strength in the hindquarters.

Ans.—This mare is suffering from "partial paralysis." She may recover if she gets a summer's run on grass, but before you turn her out it would be advisable to apply a blister along the ('lip off the hair for two inches on both sides of the back bone, commencing about six inches behind the points of the hips, and continue forward for about eighteen inches; then well rub in for twenty minutes the following blister: Powdered cantharides, drams; biniodide of mercury, drams; fresh lard, 3 ounces. Mix well. Tie her head so that she cannot reach the blistered part. In forty-eight hours wash off the blister with warm water and soap and smear with vaseline every three days. The blister may be re-peated in three weeks, if necessary. Give mixed with damp feed, morning and evening, for two weeks, a dram of powdered nux vomica, and in the drinking water, twice daily for two weeks, a dram of iodide of potash.



LIME-SULPHUR WASH

For several years past lime-sulphur wash has gradually increased in favor among orchardists. In Ontario this is now the standard remedy for many orchard pests, both insect and fungous For San Jose and other scales, apple and pear scab, peach leaf curl everal other serious orchard troubles. this treatment applied with a good spraying outfit has given excellent re-

A bulletin recently prepared by H. Fulmer and L. Cæsar, of Ontario Agricultural College, gives details in ull as regards manufacture and use. A comparison is made between com-nercial lime-sulphur and that which is home boiled. The addition of arsenical poisons to this wash also is considered.

After outlining in detail the composition, analysis and manufacture, Mr. Fulmer gives the following among his

ummary of conclusions: Data secured in regard to the homenade washes reveal a large number of ormulæ and decided differences in the strength of the wash as applied. Sulphur varies from 15 to 19 pounds, and lime from 16 to 24 pounds to 40

TART TODAY TO GET READY FOR HARVEST TIME

ON'T put it off any longer. From now on 'till harvest you are going to be busier every day. Your grain is likely to ripen all at once. Then you'll want to cut it quickly. You can't do it unless you are prepared with the best harvesting machines—in proper condition.

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we know if you go into the matter carefully you will choose a McCormick. The McCormick Binder will meet your requirements as no other machine will. It is built to meet the conditions encountered on the Canadian farm. It has stood the test of years. Its capacity to handle grain that is tangled or down; its simplicity, strength, durability, light draft, uni-form, good work and the reli-able work of its knotter, combine to make it the best machine for you.

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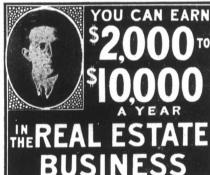
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the sun was shining in the day-time, and after all this I hatched

114 good, healthy chicks that are doing well. I think your

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perfection as is possible to gct. B. H. TWEDDLE

I started the machine with 100

eggs. At the end of ten days I

tested out twenty-eight and opening the shells I found every

one infertile. This left 72 in the

Incubator; of these 61 came out

fine healthy chickens, and the balance addled in the shell or

were too weak to get out.

E. HIRST

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in any part of Canada, on a small scale or a big one. (One Peerless customer will sell 200,000 fowl | they probably will make you open this year-twenty-five CAR-LOADS! | your eyes to the real profit in poultry.

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mula is the old standard (20 lbs. lime, 15 lbs. sulphur and 40 gallons water), and the favorite boiling period is one

gallons of water. The popular for-

Analyses show that the liquid part of the wash consists of a solution of calcium sulphide, calcium thiosulphate and sulphite, and calcium sulphate. The average amount of sulphur in these different forms is 10.41, 3.11 and .37 pounds, respectively, per 40 gallons. The residue or "mud" is composed of lime and very small amounts of free and combined sulphur, together with such substances as iron, aluminium, silica and magnesia, and other impurities in the lime used.

The strength of the wash does not depend upon the formula entirely, but more largely on the thoroughness and rate of the boiling. Weak, slow boiling will produce a weak wash no matter how much sulphur or lime be used. It is this fact which is accountable for the many conflicting opinions held regarding formulæ and methods of preparation, etc.

Commercial lime-sulphur solutions contain the same constituents as the home-made washes, except that they lack the "mud" (one exception). They are therefore of similar origin and value. They are 8 to 10 times or more stronger than the home-made washes, and must be diluted accordingly.

The valuable constituent of the limesulphur wash is the calcium sulphide (sulphide sulphur), but its effect is ably complemented by the other constituents present. The greatest aid, however, is obtained from the decomposition products-free sulphur and calcium sulphite.

Dry weather during and following the spraying season allows the wash to exert its maximum effect. A heavy rain right after spraying or intermittent showers following every few days will greatly lessen or destroy the benefits of the wash.

From the results of our experiments on the preparation of the home-made wash, we arrive at the following conclusions

(1) Normal limes, ranging from 48 pounds and upwards of pure CaO per 100 pounds, are suitable for making lime-sulphur wash with a formula of 20 pounds lime and 15 pounds sulphur (or any formula having the proportions, 4 lbs. lime to 3 lbs. sulphur).

(2) Flour and flowers of sulphur are

of equal value for making the wash, provided they possess an equal degree of fineness and purity.

(3) Forty-five minutes to one hour is a sufficient length of time to boil the wash, provided the boiling is vigorous.

(4) Increasing the proportion of

sulphur to lime up to 1:1, or even higher in case of the use of a pure lime such as Beachville, will increase the strength of the wash and decrease the

cost of production.
(5) Steam and open fire are of heat nearly equal value as sources of heat energy for boiling the wash.

The development of a green color during boiling cannot be taken as an indication of the completeness of boiling with all limes.

before it is applied it is not valueless. Heating up to 60° or 70° C. (140° to 158° F.) and stirring to break up the sediment and crystals at the bottom till the crystals dissolve will render the wash practically as efficient as before.

Experiments carried on in regard to other points show the following:

(a) Home-made concentrated limesulphur solutions comparing favorably with the commercial solutions can be made on the farm and at less expense.

(b) Lead arsenate and calcium arsenate can be added to lime-sulphur

senate can be added to lime-sulphur washes without causing any appreciable depreciation in the strength of the latter. (c) The formation of crystals in lime-sulphur washes is mainly due to an excess of free lime, but contact with air will also cause concentrated limesulphur solutions to crystallize. If lime be added to concentrated limesulphur solutions, they will suffer extensive crystallization at once. Lime added to diluted concentrations will soon cause appreciable crystallization.
Concentrated lime-sulphur solutions should be diluted first and then the lime added just immediately before

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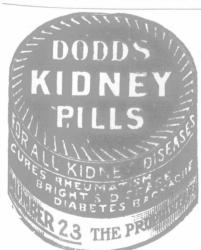
VARIETY OF ONIONS

suited for general crop at Abernethy, Sask.? — R. B.

Ans.—Yellow Globe Danvers and

GROWING ONIONS

A reader at Milestone, Sask., asks wants particulars as to thickness of sowing and how much seed to the This is a rather difficult question. Soils and localities have to be taken into consideration. If the soil is a nice loam, well worked down and



treated to a liberal supply of well rotted manure the task of growing the crop is rather easy. However, preparations should have been made last season in order to have the land in good tilth and free from weeds.

In sowing onion seed the object is to have the row well filled with young plants, perhaps a plant to the inch of row-length or more. As the bulbs develop they are thinned as onions are pulled for selling in bunches. Allowing about 18 seeds to one foot of row, it requires four or five pounds of seed to sow an acre. This amount is for sowing in rows about 15 inches apart. If the land is in good condition, thinning needs to be done sufficiently to allow the plants to develop to full maturity without crowding. On a rich, mellow soil, with constant care in cultivating and keeping down weeds a good crop is assured, unless damage results from maggots or other cause

INSTRUCTIONS IN BEEKEEPING—II

The latter part of spring, in summer, and in early fall, there are three kinds of bees in a hive. At other times there are but two kinds; that is, under normal conditions. To name them, first is the queen, then the workers, and, lastly, the drones. The queen is sometimes incorrectly called the "king bee." This would denote her sex as male, but 'she'' is of feminine gender. Every once in a great while there are reported another kind of bees, not belonging to any of the mentioned classes. They are simply freaks of nature, as the occasional multiplied calf or duck, and need not be considered.

In a certain sense the queen is the important personage of a colony. She is mother of all three kinds of bees. There are conditions when worker bees will take upon themselves the duty of laying eggs. Such eggs, or some of them, will hatch, too, but the resultant

bees are never anything else but drones.

To consider the evolution of "her majesty," first, the egg is laid by another of her kind. So far as appearance is concerned, this egg looks exactly like those from which worker bees and drones develop. But the cell in which a queen bee develops is considerably different from either drone or worker cells. It is about the size and looks like the end of a medium-sized peanut. It is generally believed that the construction of the cell and the food fed the queen larva is what makes a queen

bee, and not any difference in the eggs.

Three days from the time an egg is laid in the queen cell, it hatches into a tiny larva, or worm, as commonly but incorrectly called. For the first three days of the larval state, a queen larva is said to be fed the same food given worker larvæ. After this, the food is said to be richer; at any rate, it is different, as can be ascertained by What variety of onions are best different, as can be ascertained by

the two kinds of food. After the queen larva has been fed Ans.—Yellow Globe Danvers and Large Red Wethersfield are standard varieties that keep well.

CROWING ONIONS

Ans.—Yellow Globe Danvers and by the nurse bees for five or six days, the cell is sealed. Before sealing the cell, a considerable quantity of "royal jelly," as the queen food is called, is yet put into the cell. Upon this the queen larva develops fully, when at about fifteen days from the time the egg was laid she emerges from the cell. But at her maturity she is not yet

in the right physical condition for her life-work. The next step is the mating with the drone. It is not until this sexual act has taken place that a queen can lay eggs that will develop into worker bees. It is in about a week after her emergence from the cell that a queen flies from the hive to meet or mate with a drone, as the male bee is called. They mate in the air, while on the wing. If the mating has been successful, the queen will commence to lay in two or three days after her "wedding flight." Then her real lifework commences. Unless she is killed accidentally by the apiarist, or she in some way becomes faulty, a queen lays eggs till her supply is so much reduced that she no longer can keep up the strength of the colony. Then her infirmity induces the worker bees to rear another one to take her place. This rearing of a queen is called super-

When conditions are favorable, a good queen will lay 3,000 eggs every twenty-four hours; yes, an extra good

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lasts—than any other make of wagon. It pays the biggest dividends. A cheap wagon is constructed in a cheap way, of cheap materials with cheap machinery, by cheap workmen. Such a wagon is expensive at any price—when you figure up its total cost.

Thousands of business farmers have chosen from the I H C line. It's the surest way of getting the most wagon-service and satisfaction. You will do well to choose one of these styles—

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The greatest wagon value in all Canada. Each is a quality wagon—each is up to the I H C standard—not down to any price. Don't be misled by looks—or first price. For paint covers a multitude of wagon sins—and price is too often the only argument used to sell a cheap, inferior wagon.

The best materials are used in the I H C line of wagons. The wood

stock is the finest-air-dried; seasoned and inspected at every step-even after the paint goes on. Spokes, hubs, skeins, box, axles, seat, and in fact every part of the I H C wagon is as good as the widest experience, the best materials, the most skillful workmen and the latest improved machinery can make it. Every part is equally good and equally strong. There are no 'weak spots'' in the I H C'line.

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Petrolia Wagons are especially constructed for Canadian service and have proved their merit to thousands of farmers. Be sure to call on the local International dealer. Get a pamphlet and let him show you one of these wagons. You will note the vast difference between wagons of the I H C line and all other wagons. If you prefer, write for a booklet or any other information you want to the International Har-

vester Company of America at nearest branch house.

EASTERN CANADIAN BRANCHES-International Harvester Company of America at Hamilton, Ont.; London, Ont.; Montreal, Que.; Ottawa, Ont.; St. John, N. B.

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Lord Guthrie in Action

JOHN GRAHAM THE LARGEST IMPORTER IN CANADA

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

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

CARBERRY, MANITOBA

When Answering Ads Mention The Advocate

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ALSO FOR SALE

Helstein-Friedran bull calf, nine months old, size Buke Varece Beryl Wayne (7718), dam Puchem de Hel (7158) and litter of registered Sable Cellie puppies.

Glen Bros., Didsbury, Alta.



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Seld out of sheep. Six young bulls, a few heifer calves for sale, five young stallsons, from one to three year old. GEO. RANKIN & SONS

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Great Private Sale

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

B. W. CASWELL, Star Farm, Bog 1000. Saskatoon, 'Phone 375 G. P. R., G. H. R., G. T. P.





A few fine long pure-bred Yorkshire bears on hand. Parrowed April from prise-winning stock. Price \$20.00 each.

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

to the province. I have eighteen more fillies coming that will reach Deloraine by November the 15th; further particulars of them later. Come and see me or write. I am always ready for business with small profits.

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I have for sale some great, thick, robust, young stock bulls and some grand young heifers ready to breed. I can supply ranchers with bulls of a serviceable age at very reasonable prices. My herd won many prizes at the leading exhibitions in Alberta last season. Imported Baron's Voucher, a champion bull in Scotland, heads my herd. Write me for prices.

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Canada's Greatest Jersey Herd

in prizewinners in numbers of sales, in dairy quality, in breeding cows, in breeding sires, in importation, in home-bred animals, in breeding results. Jerseys of all ages and both sexes for sale.

Alse three young Shorthern bulls Apply for prices on bulls. A D MoDONALD, Napinka, Man.

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The J. C. Ranch

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

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CHOICE SHORTHORN BULLS, \$35 to \$70. All stock registered.

These are a nice lot, six to twelve months eld.

Also a few young SHORTHORN COWS of Dairy strain.

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CLYDESDALE COLTS FOR SALE

Yorkshire pigs, both sexes, ready to wean

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Messrs, Hickman & Seruby Court Lodge, Egerton, Kent, England EXPORTERS OF PEDICREE LIVE STOCK

of every description. Owing to the rapid increase in business, Mr. L. C. Scruby has been taken into partnership. During the spring months the export of horses of the light and heavy breeds will be a specialty. Write for prices, terms and references.



Ragina, Sask Breeder of

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Regina Stock Farm

Ayıshıre Cattle and Improved Yorkshire Swine Stock of both Sexes and all Ages for Sale.

SHETLAND FONIES

Sixteen ponies recently imported for Breeding and quality of the very My prices are very reasonable. WM. S. CURRIE, Medicine Hat, Alta

STROME, ALTA.

BRAMPTON, ONTARIO

HORSES

one may lay even 4,000 or 5,000 for a short time. Is this not a remarkable feat? And the queen does not cackle about it, either! To perform such strenuous work, it is necessary for the worker bees to feed their "majesty highly-concentrated and predigested food. I think that queens do take some honey direct from the cells, but their life is largely sustained by food prepared and fed them by worker bees

It is not always that a queen is successful in her mating. Then, she will commence to lay, but not so soon, but the eggs will produce nothing but drones Such "drone-laying queens." as they are called, are useless, or, rather, a little worse. Generally, the eggs of drone-laying queen are not deposited in as regular order as those of a fertile queen. But this is not a sure sign o queen's functional inability. only way to find out is to wait and see if the worker cells are capped high, as drone brood is capped. Then, if later the bees that emerge are drones, we have to do with a drone-laying queen

Before a queen has mated, she is termed a "virgin queen." I mention this as I will make use of this phrase in sub sequent articles. I have had much to say about queens, as they are so very important to every colony.

Wisconsin. F. A. STROSCHEIN



Testing eggs for fertility must of course either be done at night or in a dark room, as it is essential that there should be no light except that which proceeds from the lamp or candle, which is on the opposite side of the egg to the operator. The experienced person will easily test white-shelled eggs after five days' incubation, and the very deepest brown ones at seven days The novice must learn by experience, and though he may practice on eggs of these ages he should return all to the nest or machine, and go over them in the course of three or four days more, in order to make sure of not rejecting as "clear" eggs that are in reality fertile It is a very good guide to the novice to look first at a new laid egg. Any that have the same appearance may be considered clear. A slight cloud which floats about and rises to the top, which- April and May farrowing. Herd in ever end is held uppermost, is no infive or seven days shows a beautiful and Western Canada rings and which network of red veins, which may be described as like a large spider sur-rounding the embryo. The testing process is really very simple and easily

Nothing will be found more suitable for testing the fertility of eggs that or in the incubator than a piece of stout cardboard, such as a large book cover, say as large as a page of The FARMER'S ADVOCATE. Lay an average sized egg on the centre of this, and pencil around

Nutritious, wholesome food given to healthy germs for the incubation of eggs and the rearing of profitable fowls whether for utility or exhibition pur-

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Farmer's Advocate of Winnipeg. 14-16 Princess Street Winnipeg, Manitoba

TESTING EGGS

the under side of the egg, then cut a hole by the pencil mark, which will then be rather smaller than the egg and prevent its slipping through during the testing process. Each egg should be held up to the tester, with the light exactly opposite the hole. well-matured, vigorous stock, kept in the most perfect condition, will ensure

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A Safe, Speedy, and Positive Car A Safe, Speedy, and Positive Cr.
The safest, Best BLISTER ever used. Take
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Removes all Bunches or Blemishes from Horse,
and Cattle, SUPERSEDES ALL CAUTERY
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frice \$1.50 per bottle. Sold by druggists, or sen
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its use. Send for descriptive circulars.
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To meet an unexpected cold a bottle of Mathieu's Syrup of Tar and Cod Liver Oil is needed Keep it in the house. It not only cures the cold but makes the children stronger and less likely to have a second cold.

Large bottle 35 cts from all dealers J. L. Mathieu Co., Props. Sherbrooke, P.Q.

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Also furnished by Martin Sole & Wynne Co., Winniped; The National Drug & Chemical Co., Winniped and Calpary, and Henderson Bros. Co. Ltd., Vancouver.

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OF POLAND CHINA SWINE I will book orders up to 60 head for cludes Saskatchewan Queen, a sow A fertile egg at that has been shown in both American has never been asked by any judge to take second place. Inspection courted; correspondence solicited; satisfaction guaranteed, and farmers' prices quoted.

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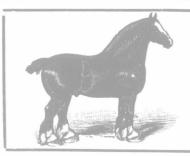
ORMSBY GRANGE STOCK FARM

ORMSTOWN, P. QUE. EDITOR FARMER'S ADVOCATE:

The question of trapnesting is for the benefit of the mass of poultry raisers who read The Farmer's Advocate. I belong to the common and indifferent fellows and consider my environments

Tokket of the mass of poultry raisers who read the farmer's Advocate. I belong to the common and indifferent fellows and consider my environments

The question of trapnesting is for the description. The properties the spring for the very subject of those wishing to co-operate with me and save nearly one-half as compared with me and save nearly o



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OCK FARM

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SWINE

Troubled With 3! Use Constipation BAULT'S ustic For Years. Isam

Any irregularity of the bowels is aldangerous to your health and should be corrected at once for if this is act done constipation and all sorts of diseases are liable to attack you.

Mibura's Laxa-Liver Pills cure Constipation and all Stomach, Liver and Bowel complaints.

Mr. Henry Pearce, 49 Standish Ave., Owen Sound, Ont., writes: - "Having been troubled for years with constipation, and trying various so-called remedies which did me no good whatever, I was persuaded to try Milburn's Laxa-Liver Pills. I have found them most benescial; they are, indeed, a splendid pill, and I can heartily recommend them to all those who suffer from constipation."

Price 25 cents a vial or 5 for \$1.00 at all dealers, or sent direct on receipt of price by The T. Milburn Co., Limited, Toronto, One.





Troy Chemical Co., 148 Van Horne St. Toronto Ont. and Binghamton, N. Y.

LABELS





The old standby for all who have stock liable to stray. No question of identification or dis-pute as to ownership, for keeping a record of flock or herd, and for general convenience. Do not be without them. Send your name and address for free circular and sample; it is no trouble and may save you much. F. G. JAMES, Bowmanville, Ont.

IMPORTATION OF STOCK

Space in the Association cars will be reserved for all stock coming from the East to British Columbia, providing the owners, or importers, make application for definite space before April 30 to R. W. Hodson, Live-Stock Commissioner, Victoria, B.C.

The British Columbia Stock Breeders' and British Columbia Dairymen's Association pay half the transportation expenses.

DALY, BRICHTON & MCGLURE

Barristers and Solicitors Office: CANADA LIFE BUILDING

are similar to a very large percentage of farmers' poultry yards and stock I find few farmers who do not improve their stock by the purchase of new blood each breeding season.

My method of selecting eggs is to do the best I can. Having purchased a few settings of eggs from pure stock a year ago from breeders of reputation, I think I have a fair number of cockerels and pullets that I pronounce my best as far as my knowledge of poultry

I first of all form breeding pens from my best groups of unrelated cockerels and pullets and set them to laying by feeding them a ration that is supposed to ensure fertile and good eggs for the hatching. I do not use all the eggs by any means. I select eggs of even weight, of uniform shape just slightly oval, smooth surface and having a velvety feeling and absolutely clean when taken from the nests. Of course I expect this season's chicks to be a little better than those of last season so do all my poultry fellows who pay about the same attention to the selection of eggs for hatching. We are not experts, only just an army of practical oultry raisers, with strong determinaion to please and satisfy our egg and dressed poultry customers and get profitable prices for our trouble.

Some years ago, just about the time trapnesting was coming into notice, with my practical and theoretical knowledge of breeding and my trapnests I found myself up against an interesting and a many-sided problem in the evolution of my ideal "biddy." I wanted to produce a hen that would lay an egg every twenty-four hours during for at least three years of her natural life and fancy points thrown in At the end of the first year I trapped the hen that laid the greatest number of eggs, and it seemed as if success was in sight, but disappointment was the result as far as that hen was concerned. The number was the greatest of the trapped lot, but the quality of her eggs ranged in size from a good-sized pea to a great rough monster of two and a half ounces. They were oval, eliptical, ribbed, blotched, flat-sided, long, short and round, thick and thin-shelled, and not more than a score of the whole ot were of even and uniform size or fit for a fancy market, much less for reproduction purposes. I also trapped a sedate, matter of fact, biddy of good appearance; in fact, one of the best as far as could be judged by comparing her with the rest of the flock, which laid about two-thirds of the number of hen number one. Her number was not inspiring, but ninety per cent. of her eggs were choice for market and for hatch-The number of ideal eggs she laid xceeded that of any trapnested cack-

At that time I was furnishing a Montreal caterer to table delicacie about three thousand dozen new laid not more than seven days' old eggs per annum at fancy prices; also about three hundred dressed cockerels for similar purposes. The qualifications the eggs were to be new laid, of uniform size, slightly oval, with a plump appearance and even, smooth and firm shells, and above all scrupulously clean. The dressed cockerels were to be brokenheads and feet on, undrawn, neatly packed and each case of eighteen birds of the same weight, each not varying more than two ounces. The requirements of good markets for eggs, dressed poultry and eggs for breeding purposes materially changed the complexion of my ideal hen, and new inspirations loomed in sight.

I had learned from practical and accumulated experience in stock breeding, that like does not always beget like with any degree of certainty; that an apparently perfect dam and sire will fail to reproduce any considerable percentage of like in their offspring; that two, three, four or more generations of good type will not in all cases bring forth after their kind, and yet as generations of ideal specimens increase their T. M Daly, K. C.

R. W. McClure
posterity becomes more definitely fixed
posterity becomes more definitely fixed
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and reversions. These things admitted less and less. These things admitted and applying them to poultry development, we take up the abused trapnest and begin working towards the object of our ambition—an ideal hen. The MANITOBA route will be long and the journey

GOLDEN WEST STOCK FARM



Our new offerings of CLYDESDALE STALLIONS is bigger and better than ever. We have them at all ages and prices, ranging from \$500 up. They are imported and home-bred, sired by such noted sires as Baron's Pride, Everlasting, Acme, Labori, Baron's Gem, Baron Kerr and others. We also have a big selection of MARES AND FILLIES for sale.

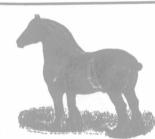
Our Clydesdales are all of the heavy draft type.

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

P. M. Bredt & Sons

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HORSES

Shires and **Percherons**

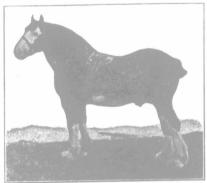
In looking for stallions or mares, don't buy until you have seen what W. W. Hunter is offering, as he buys and sells every stallion himself.

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

W. W. HUNTER

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ALBERTA



"BARON'S GEM" One of the greatest Clydesdale Sires ever brought to the West.

HILLCREST

We have added to our well known studof Clydesdales at the Hillcrest Stud, Condie, Sask., a recent importation of thirtyfive head—twenty - three stallions and
twelve fillies. Our new importation was
personally selected to keep up the high
standard of our stud, and we are offering
horses with size and quality combined, to
a marked degree. They are sired by such
horses as Baron's Pride, Hiawatha,
Everlasting, Baron's Gem, Royal Edward,
Baron o' Buchlyvie and Sir Hugo.
Customers buying from us have no

Customers buying from us have no middlemen's profits to pay, as we buy and sell our own horses. Write for descriptive catalogue. Long-distance telephone in house.

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CLYDES AND FRENCH COACH STALLIONS FOR SALE Also a few grade mares in foal. \$550 per team.

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If you are needing a stallion, now is the time to buy one and fit him to your liking so that he can go ahead and pay for himself this year. Our barns are full and we have more coming. We are satisfied with a reasonable profit, and will give you a gilt-edged guarantee and we will live up to it. Tell us what you want.

Branch at Vegreville, Alta. JAS. BROOKS, Manager. VANSTONE & ROGERS Head Office and stables. WAWANESA, Manitoba

tedious, and perplexing difficulties will beset us on every side, but time, patience and persistence in the proper use of the trapnest will reach a satisfactory ultimatum.

To begin right with the trap-machine, trapnest two or more groups of un-related pullets and cockerels for number of quality eggs; select settings of these eggs and the second year form breeding pens and trapnest the pullets, repeating the selection of the eggs and trapping year after year until the progeny will reproduce its like; in fact, the improved and perfected birds will continue to improve generation after generation if the above system is intelligently and persistently adhered to, and utility specimens, fancy as well, will be produced that will excel anything we have at the present time. I think a great future is in store for the trapnest properly used.

know of no easier method of selecting eggs for reproduction purposes, much less a surer one than that of trapnesting. There seems to be no royal road to an ideal object of poultry breed-

ing. Sask J. E. FRITH.

HENS IN SMALL FLOCKS

EDITOR FARMER'S ADVOCATE:

A good illustration has just come under my observation of the fact that hens in small flocks are much more productive than in large flocks. neighbor moved into the community without fowls. She procured six hens One is a Leghorn grade, the others are so mixed as to make it impossible to locate them with reference to breed. They lay from three to six eggs a day. Of course it is only occasionally that they all lay on the same day, but whoever heard of a large flock all laying on one day or constantly laying more than fifty per cent.? That the heavy laying is due to the smallness of the flock is evident, because the large flock, all of the same class of hens from which the six were procured, is doing the usual stunt of large flocks—laying less than fifty per cent. in the best laying season and none at all in cold weather.

The sanitary condition of the small flock is much better than that of the large flock. Until last fall I kept my hens, except a few choice breeders, in one large house. The ground above the large house became so thoroughly "hensick" that the hens kept dying from no apparent cause, in spite of all attempts to renovate the ground by digging it up and hauling in new earth. Last fall I abandoned the large house altogether and now have my general flock of sixty hens in three movable houses, which are moved occasionally. Both the health and the laying of the hens are remarkably better.

My attention was attracted to the small flock idea by the difference be-tween the small flocks of purebred breeders which I kept in colony houses and the large general flock kept in the large house. Though I did my best to large house. Though I did my best to care for the large flock properly I frequently, in bad winter weather, gathered as many eggs from one colony house as from the entire general flock, and though in spite of all I could do I continually lost an occasional hen from gone through an entire year without osing a single hen from the small colony houses and never lost enough to be of consequence. I tried in various ways to utilize the large house for poultry purposes, but the hen-sick earth about it defeated me no matter what use I tried to make of it. I am using it now for other purposes and will never again attempt to keep poultry, either young or old, in a house too large to be moved

by two horses When I first thought of trying the small flock plan I supposed that when given free range they would mix up, each hen going to whatever house came handiest. Quite to my surprise I found that the hens which have been confined to a colony house for the winter. when given free range in the spring, will stick to that house with an obstinacy which is almost aggravating if for any reason one wishes to change them. Though in rare cases a hen will change from one house to another, as a rule they adhere closely to their

W. I. THOMAS.

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CALGARY, ALTA.

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Fleming's Vest-Pocket Veterinary Adviser Ninety-six pages, durably bound, indexed and illustrated. Covers over one-hundred veterinary subjects. Read this book before you treat any kind of lameness in horses. FLEMING BROS., Chemists 45 Church St., Toronto, Ontario



SYNOPSIS OF CANADIAN NORTHWEST LAND REGULATIONS

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

Duties — Six months!

homesteader.

Duties. — Six months' residence upon, and cultivation of the land in each of three years. A homesteader may live within nine miles of his homestead on a farm of at least 80 acres solely 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 slong-side of his homestead. Price \$3.00 per acre. Duties. — Must reside six months in each of six years from date of homestead entry (including the time required to earn homestead patent) and cultivate fifty acres extra.

A homesteader who has exhausted his home-

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

Deputy of the Minister of the Interior.

B. — Unsurther N. B. — Unauthorized publication of this advertisement will not be paid for.

FOR MEN WHO HAVE LOST IT Do You Want to be Everybody admires and a Man Among Men? honors a strong Man. Write To-day Are you one?

Mr. Timothy Leadbeater, Lethbridge, Alta., writes: "I purchased one of your Belts in December, 1905, and after using it as you directed, I felt like a new man, and I am pleased to inform you that I am just as well today and as free from pain as I ever was in my life. I found your Belt much better than was represented, and I have recommended it to many others and shall always feel a pleasure in doing so. I am more than satisfied with my Belt. I followed your instructions and found it

complete. Hoping you will have every success."

Let any man who is weak, broken down, old and decrepit, in physical weakness, full of pains and aches, gloomy, despondent and cheerless—any man who wants to be stronger and younger than he feels—let him come and tell me how he feels, and if I say that I can cure him I will ask for no pay if I fail.

I want no man's money if I can't cure him. There is no deception about this offer either in making or carrying it out. All I ask is reasonable security that I will get my pay, and

COSTS NOTHING TILL

I don't want money that I don't earn. I don't need it, and am not after it. But I am after the dollars that are now going wrong in the quest of health. Look at these poor wrecks of humanity that are spending all they earn on drugs-dope that is paralyzing their vital organsthat have spent all they have earned for years without gaining a pound of strength for the hundreds of dollars wasted.

t is the money I am after because for every dollar I take I can give a thousand per cent. interest, and I don't want it at all until I have cured you if you will secure me. I have cured many cases right here that I can prove my claims to you, but if that proof is not enough, I'll

give you the names of men right near you—where you are. Is that fair?

Most of the Belts that I am selling now are to men who have been
sent here by their friends whom I have cured. I think that is the best
evidence that my business is a success from the standpoint of cures, as well as on the dollar side.

Wherever you are I think I can give you the names 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. FREE BOOK—Cut out this coupon now and mail it. I'll send this book without delay, absolutely free. Call if you can. Consultation free.

Dr. M. D. McLAUGHLIN, 112 Yonge St., Toronto, Can. Dear Sir, - Please forward me one of your Books, as advertised.

Office Hours - 9 a. m. to 6 p. m. Wednesday and Saturday until 8.30 p. m. Write plainly.

The Advocate is the Best Advertising Medium own places

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N NORTHWEST

le head of a family of available Domintchewan or Albertain person at the Sub-agency for the ay be made at any 3, by father, mother, sister of intending

exhausted his homen a pre-emption may in certain districts. Ities. — Must reside years, cultivate fifty rth \$300.00.

W. W. CORY. ster of the Interior. publication of this id for.

anada

April 27, 1910

More bread and Better bread —And the Reason for it

A STRONG FLOUR can only be made from strong wheat. Manitoba hard wheat is acknowledged the strongest in the world—and that is the kind used for Purity Flour.

But that's not all. Every grain of this wheat contains both high-grade and low-grade properties. In separating the high-grade parts from the low-grade the Western Canada Flour Mills put the hard wheat through a process so exacting that not a single low-grade part has the remotest chance of getting in with the high-grade.

Of course this special process is more expensive to operate but it means a lot to Purity flour users that's why we use it.

It means that Purity Flour is made entirely of the highest-grade flour parts of the strongest wheat in the world,

It means a high-class, strong flour and therefore yields "more bread and better bread."

Purity may cost a little more than some flours, but results prove it the cheapest and most economical after all.



PURITY FLOUR



WESTERN CANADA FLOUR MILLS COMPANY, LIMITED
Office, Winnipeg, Man. Mills at St. Boniface, Goderich, Brandon

REMEMBER!

That the subscription price of THE FARMER'S ADVOCATE and HOME JOURNAL is \$1.50 a year or about 3 cents a week. Tell this to your neighbors and get their subscriptions and at the same time REMEMBER our large list of premiums that are yours for the trouble. START NOW.

Seeds!



Seeds

Try our English Stock of Seeds Look at this Special Offer

THE BEST VALUE FOR MONEY EVER OFFERED TO THE PUBLIC For To introduce our high-grade standard seeds we are offering (Post Free) the following collection:

ALL PACKETS PUT UP IN [LIBERAL QUANTITIES

VEGETABLE SEEDS	FLOWER SEEDS
as, 3 sorts 15c. ans, 2 sorts 10c. est and carrot 10c. ttuce and onion 10c. rsley and Cabbage 10c. dish and Turnip 10c.	Sweet Peas 55

THIS \$1.25 WORTH OF SEEDS FOR \$1.00

PLANTS! PLANTS! PLANTS!

STRONG, HEALTHY, TRANSPLANTED PLANTS

	Per doz.	Per 10	0		Pe	r doz.	Per	100
Cabbage (early sown) . Cabbage (late sown) .	20c.'	\$1 0	5	Celery				.00
Cauliflower (Snowball)	25c.	1 5	0	Tomatoes		25C.		

Tomatoes, out of 2½-inch pots, **35c.** per doz.; 3-inch pots, **60c.** per doz. Rhubarb Roots, strong, two-year-old, Calgary grown, **\$1.50** per doz: **\$10** per 100.

SEND FOR OUR CATALOGUE

CAMPBELL FLORAL CO.

Calgary, Alta

We Ship Promptly. No Delays. You Make a Mistake if you don't ask your Dealer for Ideal Fence.

Our factory can supply any dealer at once.

He can get Ideal Fence for you. If he won't, write to us and we will send you prices.

You don't want to take any old fence. You want the best. You won't buy a suit of clothes for \$25 when you can get a suit that will wear better and look better for the same money.

Then why be careless buying fence? It is your money you are spending.

Why not set out to get Ideal—the strongest, stiffest, longest-lived fence sold in Canada.

It is chosen by the Dominion Government, by the big Railway Companies, by thousands of shrewd Canadian farmers.

If you intend buying fence this year, you will be wise to ask your dealer for Ideal.

Then you will be on the safe side. You won't be experimenting.

A man can't afford to experiment. A Government won't do it; nor will a Railway Company. They buy Ideal.

Can you spend your money freer than they do? Can you take chances they don't take?

Buy Ideal, Mr. Farmer, and know what you are getting.

In fencing, it is essential that you build for permanency.

We make Ideal Fence of best No. 9 hard steel wire. Stiff, strong uprights; smooth, heavy rust-proof galvanizing.

It is a heavy, permanent fence—more lasting than any other you can buy.

Send to us for information about different kinds of Ideal Fence.

Send us measurements of your requirements and we will estimate what your fencing will cost.

Above all, don't take chances.

Be with the big buyers. Take Ideal Fence and you will know you have the best, most permanent, strong fencing you can buy.

MADE IN WINNIPEG

WE CAN FILL ALL ORDERS PROMPTLY

"IDEAL DOESN'T COST MORE"

IDEAL FENCE COMPANY

Winnipeg

Manitoba

Just sit down now and write to us for full particulars of the best business proposition you are likely to hear this year. Let us tell you, in plain words, how very little money will start you in the profitable business of poultry-raising The Peerless Way. Let us show you why it will pay you well to

One PEERLESS user will sell 200,-000 fowl this year

Scores and hundreds—ten thousand people in fact—all over Canada, are following The Peerless Way to their profit. More than eleven million dollars' worth of eggs were sold in Canada last year. Yet with all this output prices stay high for every sort of good poultry and eggs. The market is far bigger than the present product—and it grows bigger day by day. Poultry-raising is the best business for any farmer, any farmer's child. Pays better for the time and money invested. Profit is surer. Isn't overcrowded—and never will be.

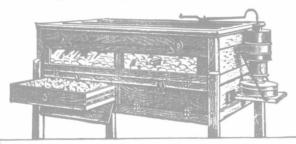
Poultry ought to be a side-line on every farm—

The poultry crop is the one crop that never fails. Every farmer certainly ought to make poultry a "side_line," at least—it is a certain profit for him, no matter how bad a year he may have with his other crops. And the Peerless customer need feel no worry about finding a market for all he wants to sell in the way of poultry or eggs. We look after_that for him. We find him a buyer who pays the best market prices in spot cash.

Your credit with us makes it very easy to start—

Your credit is perfectly good with us. You can equip yourself fully for successful poultry-raising, and you don't need ready money to do it. We trust you; and we will make the terms so easy for you that you will never feel the outlay. In fact, a Peerless Outfit pays for itself, and quickly, too.

adopt the Peerless methods, to make use of the advice and aid of the Peerless Board of Experts----pay you well, and profit you speedily.



Let us ship you this and trust you for it. We pay the freight and give you a 10-year guarantee.

Within a month or so from this very day you could have a poultry-for-profit business well under way. Write and ask us to prove to you that success with poultry, The Peerless Way, is possible for anybody of good sense in any part of Canada. Get the facts about it. They are facts that will probably be new to you. Send for them —it's for your own benefit we suggest that you send for them at once, without another day's delay. Just use a post card, if you haven't a stamp handy—put your name and address on it—say 'Show me -- that's all that's necessary.

LEE Manufacturing Co., Ltd.

121 Pembroke Road
PEMBROKE ONTARIO CANADA

PEERLESS users get valuable help and service free

Besides finding a buyer for our customers' poultry products (which we do free of any cost to you) our Board of Experts stands ready always to advise, counsel, help with practical suggestions—free, entirely so, to Peerless users. These practical men have developed the greatest poultry business in Canada—The Poultry Yards of Canada, Limited. Long experimenting in the hatcheries of this great plant brought the Peerless to perfection, and proved it as the one successful incubator for use in every section of the Dominion.

More than 10,000 PEERLESS users are successful—

Poultry-raising with the difficulties taken out of it—that is the reason why The Peerless Way has proved profitable for over ten thousand people, scattered all over Canada. There is not a reason on earth why it would not do as much for you as it has for the most successful of them. No matter where your farm is you can do well The Peerless Way—and you won't need to depend much on plain farming, either.

Send right away for interesting offer and FREE very valuable information

You will know why The Peerless Way is the way to get profit from poultry, once you have read the big and plain-spoken free book we want you to ask for. With the book will come an offer to outfit you for poultry-profit on terms that will meet your wishes and fit your means. Please write and ask for this now—make your start now—it will pay you to.

We carry ample stocks in our big distributing Warehouses at Winnipeg, Regina, Calgary, Edmonton and Vancouver, for the convenience of our Western friends. Address all letters to Head Office at Pembroke, Ontario. They will receive prompt attention.

