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Vol. XLV

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Winnipeg, Canada, August 31, 1910

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GRIO

No. 936

THIS IS THE STORY OF HOW THE CAPITAL SAVES YOUR TIME AND SAVES ITSELF

HE SECRET of any separator's ability to save time is, naturally, in the separating. And it is in the separating that The Capital saves time-for The Capital separates the butterfat from the whole milk in one single operation — separates it and discharges each separately and at once.

Of other types of separators, some are faster than others, but no hollow-bowl machine - no machine that uses perforated cones, regardless of their size or number-can separate whole milk without again re-mixing and reseparating it, over and over, before it finally leaves the machine.

N The Capital the whole separation process is complete in one operation. As the whole milk enters the revolving bowl of the wing-cylinder Capital, it is whirled between the wings in a multitude of thin films and the lighter contents- the butterfat-is forced ly centrifugal action to the upper edges of the wings, whence it travels to the point of exit. The heavier skim-milk drops to the bottom and is carried off at once.

Here Is A Book That Tells How To Increase Your **Profits**

and the second second

CULTURAL

" Turning Milk Into Money contains a story of more intensive methods of dairy farming, which ought to mean money in the pocket of every aggressive dairyman. This book has been written with the idea of attracting the attention of capable farmers toward dairying and to show them what can be done, provided the right methods of doing it are used. The story of The Capital Cream Separator is told in the book also-told from this viewpoint-the viewpoint of more cream from the same milk-the viewpoint of greater dividends. Wouldn't you like to read it? All you have to do is to send us your name and address and the book goes to you FREE and postage paid.

The wing-cylinder Capital does not mix back one drop of the cream that has been once extracted; its constant whirling is continually extracting the rich butterfat, drop by drop, and removing it at once from the skim residue. There is, consequently, no waste of power, labor, butterfat or money.

And incidentally, The Capital gets 999-1,000 of all the cream-saves over five times the average waste of other types of separators. Another timesaving feature of The Capital is in washing up. The moment you drop the handle, an ingenious clutch drops and the bowl comes to a stop-ready to be cleaned without waiting for it to "run-down," and with no time for the milk to harden so that it is hard to wash away.

Remember, the machine stops of itself; there is no brake to rack it. Think of the saving on gear-wear that this quick stop stands for.



But we cannot begin to tell all the features which belong exclusively to The Capital, here. If you're interested we will be glad to send you our book, telling the full details.

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Just put the forefinger of your left hand on the cross and over the edge of the paper. Then, with your right hand, tear toward you along the dotted line.

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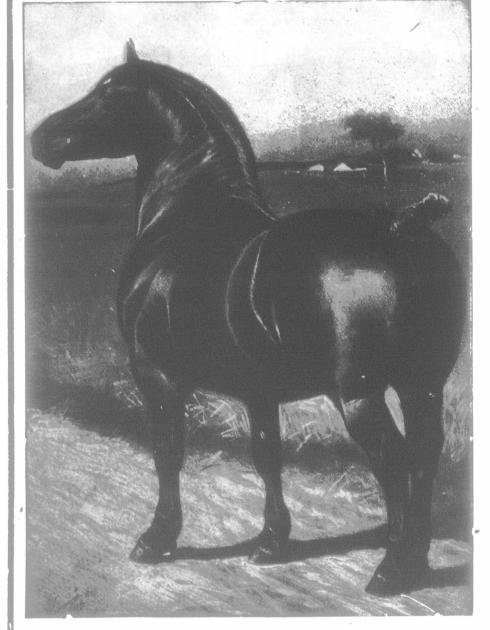
> NATIONAL MFG. CO., td. Dept. W.F.A. OTTAWA, ONT.

Gentlemen :--I am interested in dairy farming and have cows. Please tell me what a Capital Cream Separator ought to earn for me and send me a copy of "Turning Milk Into Money" FREE

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I have just landed a shipment of **Percheron and Belgian Mares and Stallions**, direct from France aud Belgium, personally selected by myself and the best I could buy, having size and quality combined and first-class goers. I am now ready to do business in the same way as I always have—small profits, quick returns and square dealing being our motto.

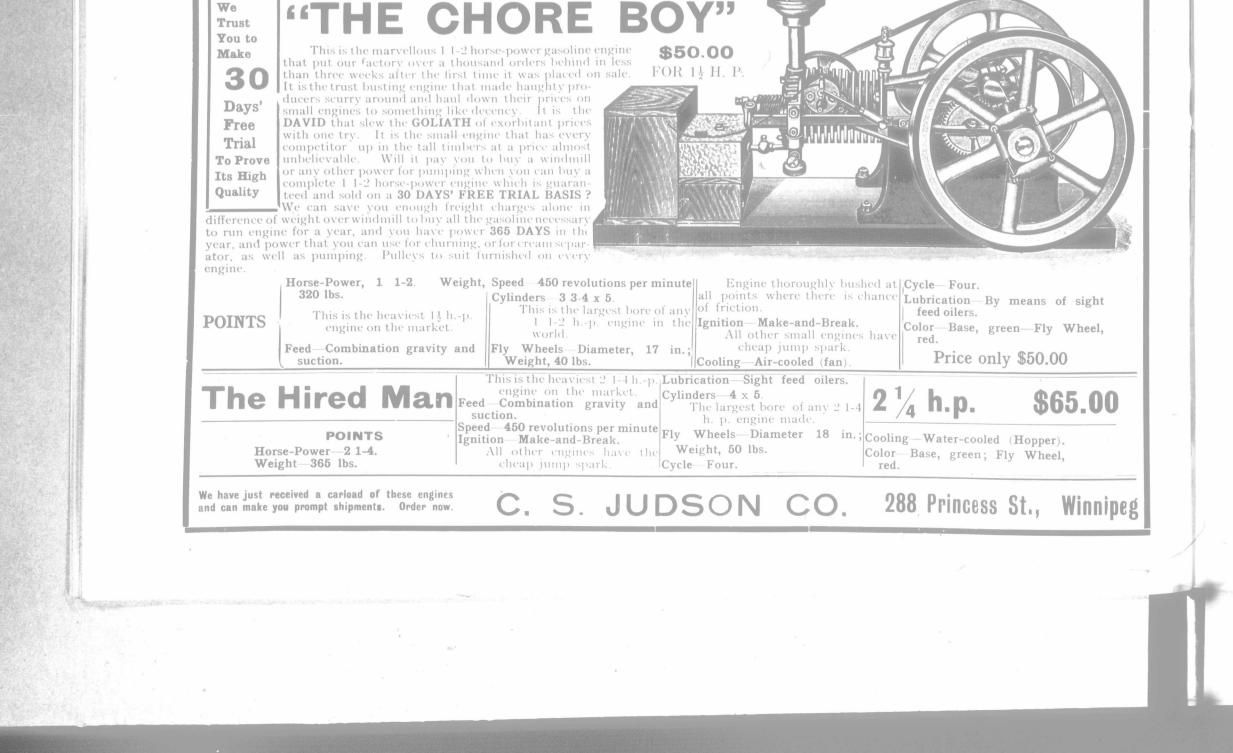
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THE TWIN WORLD BEATERS

THE TWO WONDERFUL LITTLE GASOLINE ENGINES that have revolutionized the whole machinery world; the two power engines that have brought the greedy machinery trusts to terms and given the public a square deal; the two honest made engines that sell on merit alone, that need no travelling salesmen or misleading advertising; two engines that have a record of only two returned of over 5,000 shipments, and those because of damage in transit; the two engines that are sold to you under an iron-clad guarantee of wear and service at a price that means value received to the last penny.

MR. FARMER, are you aware of the fact that you can buy a first-class 25 horse-power automobile for the sum of \$1,200? So if any agent tells you we are selling our engine too cheaply to be good, just get him to figure out the cost of a 25 h.-p. automobile on the same basis as he sells his 2, 4 or 6 h.-p. engine to you and you will find that automobile would cost you \$10,000 instead of \$1,200. WHY? Also, if you are told engine is too light, remember we are selling you power and satisfaction—not scrap iron, as we can sell you that by the pound. Read printed matter at bottom of page. It will tell you **HOW WE CAN SELL SO CHEAPLY.**

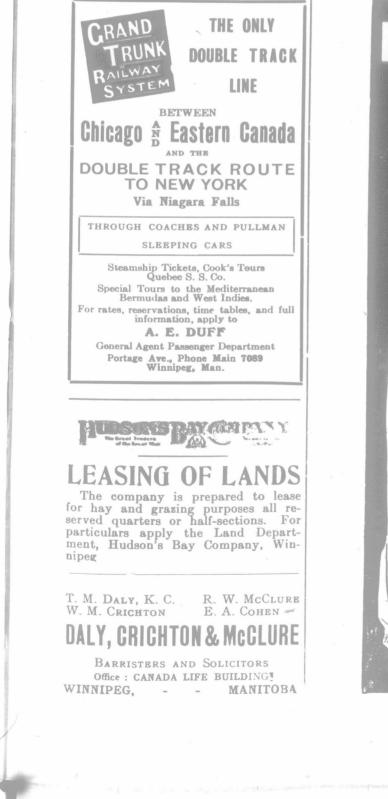
NO EXPERIENCE NEEDED TO RUN OUR ENGINES. You don't have to be an engineer or an expert ; it is built specially for farm trade. Only four things to do : 1st, turn on the gasoline ; 2nd, turn on the oil ; 3rd, turn on the battery ; 4th, give the fly wheel a whirl. Any woman, boy or girl can run these engines. Full instructions how to operate go with every engine. Don't buy an engine until you give us a chance to prove ourselves.

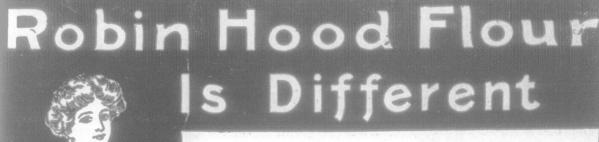


frosts.

SLOCAN PARK The Choicest Fruit Land in the KOOTENAYS New map now ready giving par-ticulars of TE do not ask you to purchase the Dominion "Limited" be cause it is made in Canada by a Canadian company, but because it represents the highest standard of motor car value that is being offered to Canadian motorists at anywhere near its price. Many Lots all ready for Spring work. Trees growing. Write for Examine this car as closely as you will and you will find that in staunchness and honesty of construction, authoritative correctness of design, growing. W handsome lines and exterior finish, it cannot be compared with any The Kootenay-Slocan medium-priced car on the market. This is a statement that we believe to be literally true. Send for our Fruit Company, Ltd. illustrated booklet Read about this sterling car and judge for yourself. We have some excellent territory still unassigned, and solicit cor-NELSON B. C. respondence from dealers who are prepared to represent us properly. Dominion Motors, Ltd., 38 Dominion Blvd., Walkerv Ile, Ont. We also manufacture motor cars for commercial purposes Creston Fruit Lands offer greatest inducements of any in Province. Soil and climate unexcelled. Irrigation unnecessary and no summer Nearest to Markets. Look at your Map. Fruit shipped at noon reaches Alberta before midnight. PRICES REASONABLE Improved, partly improved and unimproved lands for sale. FOR FURTHER INFORMATION APPLY TO OKELL, YOUNG & CO. CRESTON, B.C.

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If, Madam, we could take you right into our Model Bakery at the Mill, where all our tests are made, you would see exactly what we mean when we say, "Robin Hood Flour is Different."

You would see how favorably it compares with

to.

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other flours in respect to color.

Its superior quality would be plainly visible to you.

You would quicker realize why you are to add more water than usual when using it.

The bigger loaf made by it would lie before you. Seeing it, you would note its closer texture-no waste. Tasting it, you would admire its finer flavor.

In short, you would surely decide that you ought to start using Robin Hood Flour right away.

But, Madam, if you cannot come to our Bakery, we can help you to have better Baking Results of your own.

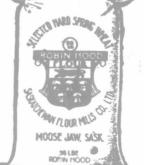
Use Robin Hood Flour yourself, and prove that what we claim for it is true.

We supply the flour-quality. We ⋖ give the guarantee. It is up to you to get the benefit.

Have you asked your grocer about our Money-back-guarantee yet?

Saskatchewan Flour Mills Co. Limited,

Moose Jaw, Sask.



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Winnipeg, Canada, August 31, 1910

No. 936

FARMER'S ADVOCATE AND HOME JOURNAL **ESTABLISHED** 1866

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EDITORIAL

Look After the Straw

crop. Number one timothy is quoted in ways of the country. Winnipeg at \$17.00 per ton. Prairie hay is What scientifically inclined men find posspare. Hence they will find a great advan- noble animal.

corner of the globe in which something is not trade in the Canadian West. As greater persaid or written about the big motor contest at fection is reached and as they are adapted to Winnipeg, Canada. Attention is called to the the various operations on the well-kept farm number of engines that competed and the even the owner of a quarter-section will be great field for operations that lies before this easily induced to make a purchase. The conform of power on the prairies of Canada. tinued high price of horses and the assurance The West, the city and the exhibition board of a scarcity of horse power for years to come should see that it is not discontinued.

Banish the Horse!

A recent issue of Popular Electricity says : forms that are offered. "There is absolutely no reason why horses should be allowed within the city limits, for between the gasoline and electric car no room is left for them. A higher public ideal of health and cleanliness is working toward such banishment swiftly; then we shall have decent streets instead of stables made of cobblestones bordered by sidewalks."

This sounds idealistic. It is to be hoped, however, that for many, many years to come horses will continue to give life to the streets Reports indicate a shortage in the hay of the city, as well as to the fields and high-

quoted at from \$11.00 to \$14.00. Both will sible is not always desirable. Science is be higher before the crop of 1911 is cut. This working wonders, both for city and country. is a short crop year in hay, and farmers would No doubt marvellous revelations are in store do well to keep this point in mind and husband for the future. However, this does not enwell their straw. It will be needed in the sure the banishment of our friend, the horse, towns, as well as on the farms. There has from city streets because he leaves dirt of a seldom been a year when straw-and especial- kind that differs from that of the motor car. ly oat straw-has been so greatly needed for There is a field of usefulness for the automofeed as it will be during the coming winter. bile, but it is to be hoped that there always Farmers will be tempted by large apparent will be horse lovers in every city in sufficient profits to sell all the hay they can possibly numbers to keep the streets alive with this

make it necessary to adopt the engine. The individual will have to make a selection from steam, gasoline, kerosene and other

Outlook in Cattle Prices

Reliable reports from Great Britain indicate that cattle are being killed off to such an extent that there is likely to be a shortage next year. For months past the United States has talked of a shortage there, and Canadians in touch with live stock supplies realize that our farms are not overstocked. Coming home to Western Canada it is found that the hot dry summer has induced many, through prospects of scanty feed supply, to dispose of animals that otherwise would have been fed to market condition. On top of this we have the annual decrease in ranching stock because of ranch areas being

Everything considered, therefore, it is reasonable to count on fair prices for beef cattle in 1911. Conditions warrant a forecast of high prices. However, all that any man can ask is a fairly remunerative figure and that seems assured unless unexpected supplies turn up

The lesson is, then, for those who have stock or are in position to prepare stock for the

tage in feeding their straw, as far as possible, as a substitute for hay on the farm. The weather has been favorable for stacking grain, and the straw ought to be fresh and bright, for traction engines in the Canadian West When the grain is threshed, a little care will

Motor Contests

The interest taken in the motor contests at eagerness of the manufacturers to introduce what was going on save that it was a "brake cultivation.

pumped practically every drop of moisture. section of land or more can find good use for country. said it was wonderful.

Traction Engines in the West

So great has been the increase in demand during the past five years that manufacturers preserve the straw in good condition for fodder. have scarcely been able to provide a supply. A strong indication of the bright outlook for the future of this form of power is the

Winnipeg for three years past is sufficient their engines and keep them before the people. to warrant the exhibition management in con- They realize that it is well to establish a tinuing this feature. Crowds gazed upon these reputation while the country is young and mighty power producers undergoing the brake while only a small percentage of the arable of 1910 in the four Western provinces of Cantests, where none but skilled engineers knew land of the prairie parts of Canada are under adaare numerous enough to furnish after a few

markets of the near future. The world will eat beef as long as beef can be bought. Market conditions in the Canadian West have improved and fair treatment at the hands of buyers is almost assured. There is at least no danger of any man losing money on cattle that are in prime condition if he is equipped for preparing them for the market.

Entries to Homestead

Homestead entries for the first five months years an increased population of over 100,000

test." Hundreds also made their way seven Naturally, there are differences in opinion people, figuring an average of five to a family. miles or more into the country to see these as to what conditions warrant the purchase of The entries reached 23,354, over 10,000 more engines demonstrate their abilities to turn a traction engine. However, it has been than for the same months a year ago. This over virgin prairie, from which the sun had fairly established that a man with a half- is a fair indication of the growth of this young

The engines did their work, and the crowd this form of power. In the breaking of virgin A study of the figures that make up the prairie, particularly, an engine is a great sav- total is interesting. By provinces, the en-It has been amply shown that motor con- ing on horse-power. In capable hands, too, tries were : Manitoba, 1,120; Saskatchetests are an attractive feature. They also it can do as much work as several men and wan, 12,718; Alberta, 9,414; British Columbia. serve well as an advertisement for Winnipeg four-horse teams-and do it well. 102. The question naturally arises : Why and Western Canada. There is scarcely a There is a great future ahead of the engine should Manitoba entries be so low. compared

seems to be due largely to the fact that for some some salt pork for dinners. reason or other the impression has gone By all means have a garden in 1911. I have induction out the severe endurance test of heat races, seen many good ones this year under adverse under the severe endurance test of heat races, abroad that Manitoba, being the older prov-conditions. Every family should have vege- with the result that they can both go fast and ince, has not satisfactory lands available tables in their own garden. for homesteading. Many, too, are induced to go further west because they can purchase land near the homestead at a lower figure per acre.

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Without at all discrediting Saskatchewan and Alberta, it is only fair to suggest that Manitoba lands deserve greater attention at the hands of homesteaders. There are yet thousands of choice homesteads available. It would seem that some steps should be ing the licensing of stallions for public service wants to know how to shoe to get rid of the corns taken by those in charge to see that prospective homesteaders know particulars about Manitoba as well as about sister provinces it compulsory for stallion owners to have their changes, has this to say of shoeing for corns : to the west.

MY OPINION ON SOME MATTERS NUMBER 11

ME THINK OF EASTERN HOMES

As I have gone about this last few weeks I cannot but feel sorry for the hundreds of farmers in all parts of the Canadian West who have been satisfied with their lot without a nice garden to which they might go every day and get something fresh, appetizing and healthful for the table spread. I realize that a hardworking man wants substantial food rather than delicacies that so often ruin the systems of town and city folk. However, I have yet to run across the hard-worked man who did not relish a variety of home-grown vegetables. It is only natural that he should, and his system demands them. Those who have studied the animal make-up know that a variety in diet is essential to keeping the system of man or beast in proper order.

I recognize the fact that in order to grow a great variety of vegetables and fruits a windbreak is needed—or, better, a shelter belt. But I have seen choice vegetables and some fruits where no shelter of any kind, not even a fence, was provided. The soil simply can't help giving a crop if it is given half a chance. Think of the fancy dishes of radish, lettuce, onions, beets, carrots, parsnips, turnips, cabbage and cucumbers that can be grown on a plot of ground 40 feet square. Double that area and the return will be enough to supply table needs for an ordinary family for a great part of

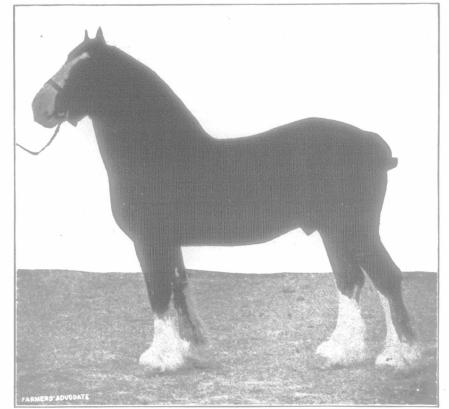
"AIRCHIE MCCLURE."

HORSE

Do We Need Laws Regulating The Public Service of Stallions?

Do you consider that the present laws governare stringent enough ? Would it be advisable without interfering with the work of the horse. to have laws disqualifying for public service horses examined each year, and requiring that a

I SEE SOME FARM GARDENS THAT MAKE during the next few months, and in the mean- corns. It is often said that corns are never cured.



PRIZE CLYDESDALE STALLION TROJAN, OWNED BY PAUL M. BREDT & SONS

Founded 1866

with the other two prairie provinces ? This shape deserves a diet of bread and water with to follow the wrong policy. This is one reason we oppose the introduction of dash races for By all means have a garden in 1911. I have trotters. Our trotters have been developed stay. Let them be bred to go short distances, and one of their most useful, and consequently most valuable, characteristics will be sacrificed to mere speed. Their physical structure will slowly change, and their usefulness off the track will diminish. Bottom is as valuable as speedmore valuable to most people who use horses .--National Stockman and Farmer.

Shoeing for Corns

A reader has a horse troubled with corns and

A British veterinary surgeon and horse shoer stallions with hereditary unsoundnesses, making writing recently in one of our old country ex-

Corns are caused by bruising of the membrane certificate, good for one year, describing the which secretes the horny sole which covers the stallion's breeding and testifying as to his sound- ground surface of the horses' foot. Some feet ness, be issued by the provincial departments are so formed that corns occur without the aniof agriculture, without which certificate or license mal having been shod. I have seen them in no stallion could stand for public service ? unshod horses, but the feet have had a con-This question will be discussed in these columns formation which specially predisposed them to

This again is not my experience. I once had a horse of my own that I failed to cure, but a great many have quite outgrown the 'trouble when shod to relieve the parts from all pressure. Some swear by the three-quarter shoe, and others swear at it. The former mean a shoe that falls short of being a three-quarter, but is carried so far round on the sound side as to give a safe foothold, while relieving the corn of all pressure, unless by a loose stone being picked up. Many horses under observation of the writer have quite outgrown corns when so shod, but it has been regularly done, and the shoes never left on long enough to be grown over by the hoof, or allowed to wear thin. If the corn has been pared down until a drop of blood shows. the year. Plant a windbreak, add manure and time it is requested that those interested in shoe then put on and the animal sent at once to sires, as well as those who believe our present getting in and a festering or suppuration following. The trouble is that few take the trouble to laws adequate, will contribute their opinions as The seat of the corn should in each case be of antimony, or compound tincture of myrrh applied, and a day or two allowed for a film of posed to the air the new horn grows of a healthier An English turf authority asserts that the character and harder than if covered, and we

take four times this area and you will be sur- horse breeding and in the use of sound, pure-bred work there is every opportunity afforded of grit prised at the tasty messes provided.

leave a small area free from grain. No provision a basis on which public sentiment may be gauged. painted with spirit of tar, or a few drops of butyr was made at planting, and then there is some-

next six weeks by putting up a fence, or at least setting stakes. Then get busy and add a good coat of manure and plow. If seed is put in with Thoroughbreds of America lack stamina and have then a choice of evils between the greater not be sorry for your pains.

is made for garden until it is near time a start Write down what you think and send it in. thing else to do. Overcome this within the Do Our Thoroughbreds Lack Stamina? new horn to form. If the parts can be left ex-

any degree of intelligence next spring you will are unable to compete with English horses risk of bruising by a loose stone on the road or in long-distance races. Lack of ability to stay by balling on clay soils; or, on the other hand, There are others who would have a garden if it is to be expected in the American Thoroughbred. of covering up with a leather which will protect required no attention. They are satisfied to If it has not come, it will come as a natural and from outside injury while hindering that evaporaput in seed, but they object to fighting weeds inevitable result of our system of testing these tion which makes for hardness and healthy horn. with a hoe or by hand pulling. They have spent horses in races. Our Thoroughbreds are raced Under a leather we can put a pledget of tow too many years growing wheat and other crops over short distances, most races less than a mile dipped in tar ointment. It needs more frewhere hoes are not called into requisition and and a few over that. Turf supremacy here quent renewal than most horse owners are willing where hand pulling is of little avail. If there means ability to go fast over a short course, and to afford. With a corn on the inside of the are children of ten years or over in the home the policy is to breed to the winners. Ulti- foot and the horse a close goer who would brush this is easily overcome. Nature has so con- mately the breed will be adapted to the purpose if allowed a shoe that was the least over, we canstructed the youngsters that they delight in for which it is most useful, and the racing policy not do as we would with a wide-chested animal doing this kind of work. If older people do pursued must result in a breed of horses that are with feet well apart. With the latter we may not spoil them in their early years they will do built to run fast for a short distance, rather than keep outside to some extent and ensure weight most of the weeding, because it is a pleasure to to stay. When our public tests called for heat bearing solely upon the crust for a longer time, them. I know there is much work on the farm races, and often heats of more than a mile, our if seated out and the shoe is stout enough not to for all who are of a working age, but the man Thoroughbreds were more useful than they bend, but this is what a laid-off shoe generally who cannot allow his children freedom from are today. Breeding for sprinters will never does do. It gets down on the parts it is meant other duties in order to have his garden in good produce stayers, and our racing compels breeders to have no bearing on

FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

STOCK

Why Not More Sheep?

ada. The breeder of pure-breds is still in the will bring no more. business, duties not interfering with his export It is true here, as elsewhere, that the wool The boar of eight months or older will do

ton chops, or leg of lamb, else surely there could be found a small flock somewhere on the farms; and the children have to adopt a pig for pet, and wear factory-knit stockings and mittens. It was not always so.

It is not well that the sheep have gone from so many of our farms. They are splendid gleaners; at least eightv per cent. of the weeds in a pasture will be eradicated by sheep, very few weeds seeds, if any, escaping destruction. They get much in a pasture that all other stock refuse. In winter, they are splendid consumers of coarse roughages, as pea straw, and barley and They do not demand oat straw. painstaking care, save at yeaning time. Thus, they are a sort of inexpensive accessory, gathering up the loose waste ends, and converting them into a cash surplus.

The dispersion of farm flocks all over older Canada has an economic reason. Other reasons are frequently given, but they are inadequate. The cur dog is a nuisance; sheep surely will go through poorly-built wire fences, if large flocks are maintained on small pastures; other stock prefer not to graze after sheep; but these reasons are insufficient. If sheep were paying

the horizon, beefmaking had so frequently demands. and irregularly partial or total eclipse, that many men felt they could not rely upon it as their guiding star, and pork-production oscillated then as now. Now dairying and beefmaking are conand sold in the fall or early winter, when they are "coming in" season, a good nurse and a good the "Topics for Discussion" column, in order that

two to three months. At two months, the lambs do, that determines her value as an investment. can be brought to about forty pounds, and at A good sow should be retained as long as she does three months sixty-five; the latter weight is get- good work. The selection and development of a ting rather heavy. For these fancy markets, the good breeding herd is a matter of time. With lambs at from two to three months will bring due attention to the points named, the hog-raiser Before the days of the American tariff on sheep from seven and a half to ten dollars. A spring will eventually find himself the possessor of sows and wool a flourishing business was done with lamb, kept all summer, and marketed in the fall that are reliable as prolific producers of high-class sheep through the greater part of Eastern Can- at 90 to 100 pounds, for five or six cents a pound, stock.-PROF. D. A. GAUMNITZ.

trade; but on the farms of the mutton-producer, produced by most sheep will pay for their keep. better if kept by himself. even the old sheep shed has disappeared ; farm- They are worth much as gleaners ; they are be kept in a comfortable pen, with a lot or pasture



TYPE OF POLAND CHINA EXHIBITED BY F. H. WIENEKE This photograph shows the smooth plump shoulders and back of his champion sow. She is 23 months old and carries her third litter

relatively, as they did formerly, they would not ply to farms ; they are a delight to have about reported as under observation one Poland-China have been thus abandoned. When sheep were in the farm-home, and they will pay, and pay well farrowed 20 pigs, and two Duroc-Jerseys a like their zenith, dairying had scarcely appeared above to those men who will adapt them to the market number.

The Brood Sow

The sow chosen for breeding should be selected sidered more reliably profitable; pork production from the best animals in the best available herd also returns bigger profits and the trade is more in the farmer's neighborhood. The first of all stable. But no such improvement can be noted considerations is that she should be of the best in mutton production. The business stands too type for meat; thick, wide and growthy. If she much where it did in the long ago. Lambs is the progeny of a mother known to be prolific, always are obtained from men engaged in actual dropped in the spring are retained all summer with a litter of eight at a time, regular in her farm work THE FARMER'S ADVOCATE has adopted

must be forced, and brought to market at from not the price paid for the sow, but what she can

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He should ers themselves have forgotten the flavor of mut- worth much as a source of wool and meat sup- adjoining, and supplied with a variety of nu-

tritious food, which means something more than dry corn with an occasional drink of diluted dish-water. The permanent quarters should be provided with a view to furnish sunlight, exercise, dry warmth and cleanliness. These should be so located that the sows may be conveniently brought to him for service.

* * *

Rommel has compiled from records of the Poland-China and Duroc-Jersey Associations a fund of figures showing the fecundity of such a great number of sows of these breeds as to make their summing up thoroughly representative. Observations of 14,703 Poland-China litters in the five years, 1882 86 inclusive, disclosed an average of 7.04 pigs per litter. Observations of 39,812 litters of the same breed in the years 1898-1902 showed an average of 7.52 pigs. This was an increase in the latter five years of .48, or nearly one half pig per litter, a percentage of 6.81. From 1893 to 1897 inclusive, 3,762 Duroc-Jersey sows averaged 9.22 pigs each. From 1898 to 1902 inclusive, 17,890 Duroc-Jersey sows averaged 9.27 pigs each, or an increase of .054 per cent. Of the more than 76,000 sows of both breeds



Topics for Discussion

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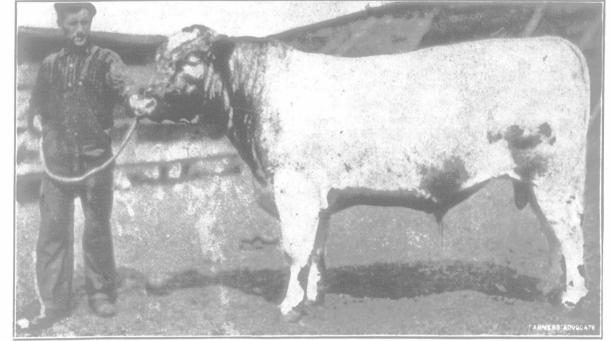
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Some

orns :

not especially desired. There is not a sufficient mother, it is altogether probable that she has our readers may see an open channel through profit in the business, handled after this fashion, inherited these qualities. An active rather than which they may inform their brother farmers to continue its prosecution. This is the quasi a sluggish animal is to be desired, since the pasture as to practices that are worth adopting and warn economic reason of the decline in popularity of is to furnish a large portion of her food. It is them against methods that prove unprofitable. Not only do we wish our sheep in Canada.

But there is money, more money, in sheep and lambs than ever before, if the methods of procedure were adapted to the present demands. What is wanted particularly is lamb, not mutton. The market wants Christmas lamb, Easter lamb, spring lamb, early summer lamb. This trade is almost as easily met, and is highly profitable. The producer must plan his crop for the market he wishes to suit. If for Christmas and the post-Christmas trade they must be fall lambs; for Easter, they must be lanuary lambs, and so on, What misses for January will sell later on almost as good a market. But always the lambs



JUNIOR CHAMPION SHORTHORN BULL AT WINNIPEG AND BRANDON This Stock Bull, Boguhan Hero, owned by Sir Wm, C. Van Horne, was a popular winner readers to discuss the topics announced for the various issues, but also we desire that they suggest practical subjects on which it would be well to have discussion.

This notice appears under the "Farm" department, but the questions dealt with cover all branches of the farming industry. Letters should not exceed 600 words and should reach this office 10 days previous to the date of issue. They are read carefully and a first prize of \$3.00 and a second prize of \$2.00 awarded each week. Other letters used will be paid for a regular rates to contributors.

September 7-Give suggestions on exhibiting filed

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roots and garden vegetables at local fairs. board boxes arranged on a shelf, each box marked engineering, and one on physical science, will Many exhibitors pay little or no attention to mak- on the outside with the subject its contents deals be read with interest by many farmers. ing their display attractive. What have you to with. The clippings cover such subjects as "farm For the busy, practical. up-to-date farmer,

and marketing of old birds and this year's stock.

tying cattle in the stable? Would you advise dug from them as required. a man building a new stable to equip it with stanchions or chains?

wool would be in the interests of sheep-raisers? to others. A man should gather about him some from bulletins is more easily read and more prac-Do you think that a reasonable import duty on volumes on such subjects as he prefers to read tical, and therefore better suited to the average wool would stimulate interest in the sheep industry ? in. What those are a man's own personal in- farmer's time and ability to assimilate than more

The Farm Library

Two letters are published below in answer to the question for discussion in this issue, viz .: "What do you consider the average farmer should have as a library, to which to refer from time to time?" The letters are printed in the order in which the prizes are awarded.

Reading for Farmers

EDITOR FARMER'S ADVOCATE:

I will state first what I consider constitutes does. The trouble with most of us is that we do In conclusion, I would say that money spent a fair collection of books on agriculture and farm not read enough. subjects generally. My own collection consists Sask.

clinations will decide.

who hasn't time to read a whole lot more than he biting and quarrelling between parties.

W. C. GRAHAM.

suggest on collection of specimens and their pre-paration at the show table? September 14.—Give suggestions on preparing "cattle," "poultry," "engines," "machinery," and horticultural societies, poultry associations poultry for market. Discuss specifically the fitting "grains," "crop data," etc. I find them con- and the breeding associations, will be found venient to refer to and handier to get at than if beneficial. These reports and bulletins read in-September 21.—What is the best means of piles of all the papers were kept and the matter telligently, and the information obtained from them used with an equal quantity of good, sound In general literature I have such books as I common (or uncommon) sense, applied to special prefer to read. These need not be enumerated, individual cases, will help many a man to better September 28.—Do you consider that a duty on as what I like to read may not be much of a guide things. In many cases information obtained

> exhaustive works. More important than books in these days is Periodicals must not be neglected. As many the current literature that comes into the home. good agricultural papers should be subscribed A farmer should subscribe to a good magazine or for as the farmer thinks he can afford and make two, a woman's paper, a daily newspaper if he use of. One or two newspapers, giving the news can reach the postoffice every day, a weekly or of the world and of the province in which he two and his local papers. These, without mention- lives, should be taken. I would recommend the ing the farm papers, of which one at least should selection of some that do not fill all their space be taken and several if a man has time to read with a violent discussion of party politics. There them, or if the members of his family find in- is a vast difference between a statesmanlike disterest therein. I have yet to find the farmer cussion of the needs of a country and the back-

> > in good books, whether scientific works, story books, poetical works, or good literature of any kind, is not money thrown away. A farmer cannot have too large a library, if that library is composed of books that are either useful in the various branches of farm work, or are selected for their standing amongst the good literature of the world.

Sask.

Advises Stacking Grain

Editor Farmer's Advocate:

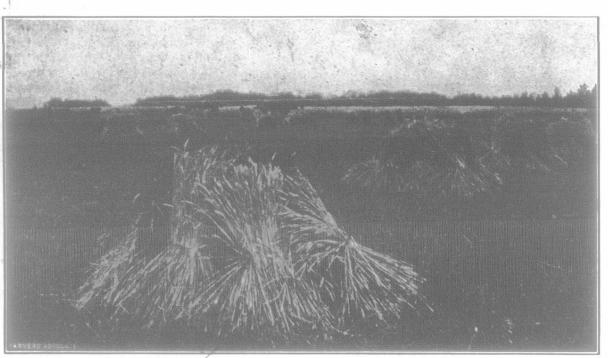
It has been my practice to stack grain because it seems to be the most methodical way of doing things. I am able to have the fields cleared in reasonable time to get fall work done. I also have the crop comparatively safe from bad weather and am ready for the threshers at any time. In the past I have not been troubled with unfavorable weather in the fall, but it is well to be prepared in case broken weather comes when threshing is in progress. Then there is less delay than in stook threshing and one has the threshing outfit a shorter time to provide for. I have seen fields covered with stooks to be stook-threshed till near the freeze-up.

Moreover, I can see that if help is scarce, one might have to fall back on stook threshing working with neighbors in order to take off a large crop. I cannot speak from result of my own observation as to the improvement in the grade of the grain said to result from stook threshing.

of some bulletins issued by our own and the American department of agriculture, experimen-

What to Read

tal farm reports and clippings from agricultural EDITOR FARMER'S ADVOCATE: papers. In addition to these I have a few general



MANY PARTS OF THE CANADIAN WEST HAVE A BUMPER CROP OF WHEAT

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Founded 1866

E. Dow.

works, first of which are the two excellent volumes Clyclopedia of Agriculture and Clyclopedia of Livestock, edited by Wilcox and Smith and compiled from experimental data gathered from the various stations of United States, Canada and Europe. Both I consider invaluable works. I have two very good veterinary works, one of them "'The Farmer's Veterinarian," frequently advertised in your paper; a work dealing with the the breeds, history, management and training of the horse; King's Physics of Agriculture; Dondlinger's "Book on Wheat," Campbell's book on science is so useful in every branch of farming. "Dry Farming," and an odd work or two dealing particular departments of his business than can Weeds need careful study. be contained in a general work.

and ten inches long. These are kept in paste- amiss. Probably in this connection a book on A

If a young man, at the beginning of his independent life, finds that he has need of more education than he ever had an opportunity as a boy of obtaining, he need not despair. If he can read even a little, it is in his power, and will be greatly to his advantage to spend his spare time in mastering various branches of booklearning. He should have a fair understanding that may not have been due to the stacking. of the English language, so that he can read any book intelligently. He should have a thorough knowledge of elementary arithmetic, for that

For books of reference he should have a good with general farm subjects. These general farm arithmetic, a book containing all common busibooks, however, are not much use. From this ness forms, a book on mensuration, agricultural on I intend, in adding to my collection, to get works, dealing with soils and their treatment. books dealing with special subjects, for in these rotation of crops, conservation of moisture, and days a man needs to know more about certain such subjects should be found in the library.

Good stock books, also treating of the various The most valuable part of my collection of breeds of farm animals, and their care in every printed matter bearing upon farm work, live- way. Medical works, giving the simple home stock and subjects pertaining thereto is made up treatment of diseases of horses, cattle, sheep, of clippings taken from time to time from the swine and poultry, must not be forgotten, though agricultural papers. At first I kept these in large they should not be allowed to usurp the place envelopes, on which was written the subject re- of a veterinary surgeon in severe cases. So much ferred to. Latterly I have pasted the clippings machinery is in use on every well-managed farm onto sheets of paper about three columns wide nowadays that a book of mechanics will not come

I frequently see wheat that takes prizes in strong competition from stook-threshed crop, but it is not cut until real ripe and generally also is the second crop in succession from the land. It may be that it had been cut on the green side; sweating in the stack would have improved the quality. The best barley produced then was stacked, but Alta. A. D. SHORE.

Wheat Yields

A reader asks for the wheat yields in the leading wheat-producing countries for the last two years. Here are figures given in a recent issue of Census and Statistics Monthly, published at Ottawa:

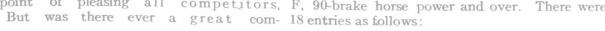
Country	1909	1908
	Bushels	Bushels
Russia	786.472,363	568,713,494
United States	713,286,923	648,510,328
France	361,050,500	317,602,964
British India	253,592.377	204,065,358
Canada	166,744,000	112,434,000
Italy	155,711,230	154,199,584
Spain	144.511.581	120,316,725
Germany	138,399,277	138,742,214
Argentina	133,581,000	156,515,669

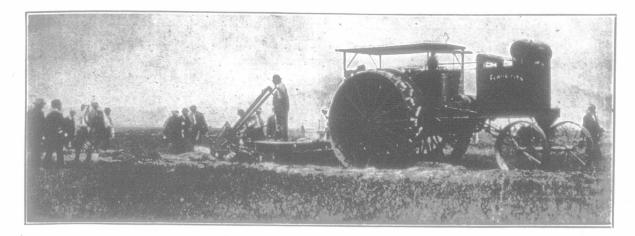
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FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

RESULTS OF RECENT BIG MOTOR CONTEST

TAS the great motor contest held under tractors: Class A, 20-brake horse power and Following are the official awards and scores a the auspices of the Winnipeg Industrial under; Class B, 21 to 30-brake horse power; signed by Professors Greig and Smith: Exhibition, in July, a success? From the Class C, Over 30-brake horse power. Steam standpoint of creating an interest in steam tractors; Class D, 60-brake horse power and unand gasoline power, yes. From the der; Class E, 60 to 90-brake horse power; Class standpoint of pleasing all competitors, F, 90-brake horse power and over. There were





THE "FLOUR CITY," WINNER OF GOLD MEDAL, 1908-9

petition for prizes in which all the contestants International Harvester Co., one 15 horse powof maximum brake horse power development one 22 horse power gas tractor. the shrewd engineer who understands his business Before the tests on the brake were completed can win points for his engine. And can you blame it was found that some of the engines were not him? Those who are personally acquainted with eligible for the class in which they were entered, the engineers in charge and the judges will give because of the fact that they were capable of them credit for doing their best to place the developing greater horse power than their entry awards where they should be.

to the making of points on the elaborate schedule farmer wants is an engine of as few pounds dead Water used, in gallons, per carrying capacity weight as possible that will do his work for him economically. Furthermore, he wants one that M.H.P. will continue to do work for months and years. Steadiness of running, vibration, condition He knows that no reputable firm is going to of engine, etc.

were pleased, or even considered they had been er gas tractor, one 20 horse power gas tractor, treated fairly? Go further. Was there ever one 45 horse power gas-tractor; Avery Co., one keen competition in a big class where judges did 12 horse power gas tractor, one 25 horse power not make mistakes and where another set of gas tractor, one 20 horse power steam tractor and judges would have handed out a different placing? one 30 horse power steam tractor; Goold, Shapley In stock classes how many times do judges place & Muir, one 20 horse power gas tractor, one 30 second prize ribbons on what are admittedly horse power gas tractor; M. Rumley Co., one 23 first prize animals? Why the mistake? In most horse power kerosene tractor (the Oil Pull) and cases simply because the groom was experienced- one 36 horse power steam tractor; J. I. Case he was competent and knew the tricks of the Threshing Machine Co., one 12 horse power steam judging ring. A careful consideration of the re- tractor, one 25 horse power steam tractor and sults of the motor contest will lead most un- one 32 horse power steam tractor; Gas Traction prejudiced persons to conclude that awards were Co., Winnipeg, one 25 horse power gas tractor; made according to what could be calculated Gas Traction Co., Minneapolis, one 30 horse from the performances of the engines under test. power gas tractor; Kinnard Haines Co., one 40 There are, however, evidences that in the case horse power gas tractor; Burrill Motor Plow Co.,

indicated.

But after all is not too great prominence given Here is the score sheet used by the judges: BRAKE TEST mapped out for each engine? What the prairie Horse power hours per unit of fuel..... 100 of engine 10 10 10 palm off a 15 horse power engine as a 25 horse Horse power hours per 100 gallons water... 202020

•	signed by 1101055015 Oreis and Dime	
	Class	Points
	A. International Harvester Co., 15 Avery Tractor	
	B. International Harvester Goold, Shapley & Muir Co., 20	
	made but developed 34.15 H.P., c quently was disqualified for this	onse- s class.
	Birrell Motor did not complete	
	C. Gas Tractor, Minneapolis	354.4
	International Harvester	350.1
	Gas Tractor, Winnipeg	
	Goold, Shapley & Muir	274.6
	Kinnard-Haines did not com plowing test.	plete
	D. J. I. Case	267.6
]	E. Avery scored 269.3 and Case developed over the 90 H.P., co quently were disqualified for class.	onse-
]	F. J. I. Case	356,1
	Avery Co.	291.9
	Rumley Co.	280.8

The following figures show how the manufacturer's statement of horse power, the economy load and the maximum load compared:

Α.		4		
7		Speci- fied Brake	Econ- omy Load	Maxi- mum Load
ξ	Class A, under 20 b. h.p	1016666	LYDAU	DROT
í	Int. Harv. Co.	18	15.28	15.5
2	Avery Mfg. Co.	36	14.16	19.2
í	Class B, 21 to 30 b. h.p			
ì	Int. Harv. Co	23	22.11	22.6
1	Birrell Motor Plow Co.	45	27.21	29.1
	Goold, Shapley & Muir	28	28.13	34.15
2		20	20.10	04.10
)	Class C, over 30 b. h.p.—	4 14	24.00	0 . 10
	Gas Traction Co., Wpg.	45	34.66	35.10
9	Goold, Shapley & Muir	45	34.86	38.80
	Int. Harv. Co	55	46.49	47.8
L	Kinnard-Haines Co	60	49.76	50.2
2	Gas Traction Co., Min-			
2	neapolis	60	51.84	53.9
t	Rumley	50	46.80	49.2
r	Class D, (Steam) 60 H.P			
	and under—			
	J. I. Case	36	44.25	60.0
	Class E, 60 to 90 H.P.—	00	11.40	00.0
)		60	00 70	0.0.0
	Avery Co.	60	66.79	96.6
)	J. I. Case	75	61.69	94.3
)	Class F, over 90 H.P.—			
	Avery Co.	90	97.08	124.4
)	J. I. Case	110	98.61	129.0

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power one. He is therefore most concerned Draw bar h.p. about the time, the fuel and the water required Brake h.p. to do a given work. He can then select an engine of a working capacity to suit his conditions.

MEN IN CHARGE OF THE CONTEST

The contest was run under the Exhibition Association, of which Dr. A. W. Bell is manager. Prof. A. R. Greig, of Saskatchewan College of Agriculture, Saskatoon, and Prof. L. J. Smith, of Manitoba Agricultural College, Winnipeg, were De the engineers in charge. The judges were: Wm. Cross, ex-superintendent of motive power, C.P.R.; Prof. J. B. Davidson, professor of farm mechanics, Ames Agricultural College, and Prof. L. W. Chase, professor of farm mechanics, University of Nebraska. Other assistants were: W. J. Brooks, of the American Abell Engine and Thresher Co.; D. J. O'Hara, of the Canadian Fairbanks Co.; Prof. H. H. Musselman, of the Michigan Agricultural College, and A. C. Frith, of the C.P.R. Students from the Manitoba Agricultural College also assisted in various details of the work.

The actual plowing tests were judged by Angus McKay, superintendent of the Indian Head Experimental Farm; James Murray, superintendent of the Brandon Experimental Farm, and Prof. S. A. Bedford, of Manitoba Agricultural College.

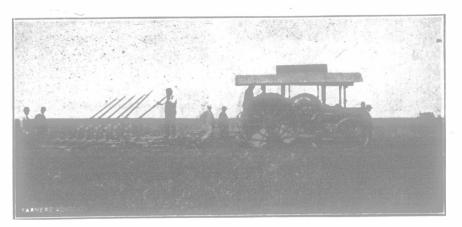
The classes designated were as follows: Gas

PLOW TEST

Fuel per draw bar h.p. hour
Water per draw bar h.p. hour
Acres per brake h.p
Quality of plowing
Distance travelled per fuel capacity of engine
General condition of engine, stops, etc
Design and construction
P N

Total . . .

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GOOLD, SHAPLEY & MUIR'S 45 BRAKE GASOLINE ENGINE PULLING 6 FURROW COCKHSUTT ENGINE GANG

Rumely Co. 120 105.86 135.8

It should be noted that the Goold, Shapley & Muir engine in Class B and the Avery and Case 90 engines in Class E developed so much power as 30 to throw them out of their classes, and, there-20 fore disqualify them. These engines, while on 10 the economy test for two hours, ran nicely within 15 the limit, but on the half-hour run to ascertain 15 their maximum capacities it was found that they 50 could develop considerably more. This is one point that caused trouble in the contest. The 400 question is : Can the judges know when the man

> in charge of an engine is pushing her to a maximum? When the official table shows that practically the same power was developed by one or more engines on the two-hour economical test as was registered in the half-hour maximum test, it is natural to ask the question : Can an engine do its most economical work running full power capacity? But these fine points on

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handling engines are for skilled engineers to solve. The table furnished by the experts in charge of the contest indicates that gasoline engines at least can do economical work at or near their maximum brake horse-power. In case engines of greater capacity are in the same class, what handicap should it be in the eyes of a practical purchaser ? The man who knows enough to buy a traction engine, generally knows enough to consider weight and mechanism. ENGINES AT THE PLOWING TEST

This year it was considered wise to do away with the hauling test so that when all was completed on the brake testing outfits the contesting engines were taken some seven miles north of the city where a large tract of prairie land, a large part of which is genuine gumbo, was secured for the chief test that appealed to the practical man. Great crowds visited this field on the two days of the test to see what the engines could do. All were convinced that for large areas at least and for breaking tough sod the traction engine provides ideal power. Each engine was allotted three-tenths of an acre per maximum brake horsepower.

The contest was not without mishaps. A few engines fell down. Stockmen know all about choice animals going sick at the critical moment and not being able to do what they are called upon to do by the judges. So with the engires. As has been noted some had been knocked out of their class for developing too much power. The Rumley Co. and the Hart-Parr Co. withdrew their engines that used a cheap grade of kerosere, because of the basis on which this fuel was charged against them. The rules called for a charge at 18 cents a gallon. Finally the Rumley engine undertook the test on a basis of 11 cents, but the Hart-Parr Co. contented themselves with a series of demonstrations. The most serious mishap of all happened to the Kinnard-Haines Co. Oil collected around the cork inserts on the clutch and gave so much trouble that they were obliged to withdraw. The 50 horse-power engine of the Goold, Shapley & Muir Co. also had to be withdrawn because of overheating. This was regrettable because this and another engine had done good work, and special interest was manifested in them because they were designed and manufactured in Canada. Many also were interested in the Gas Traction Company's entries because this company has a factory in Winnipeg. The steam engines were obliged to cease operations once or twice on account of lack of water. However, they completed their work.

The results of the various tests show that American manufacturers have not much of a lead on Canadian-made engines. It was demonstrated that all are capable of doing good work. Details given in the table showing engine data, two hours brake test, half hour brake test and plowing

			Total Pointa Allowed in Judging Enginea.	306.7	275.3		292.2	329.3		334.0	274.6	350.1		354.4	not	267.6	269.3		291.9		280.8
-	-		Drawbar H.P.	1.39	8.87		2.58	5.75		1.24	8.44	5.30	Ţ	3.44	6.45	2.31	4.74		5.36		080
	-		Fuel Used, gals.	23 11	37		28 12	19 16	86	42 24	89 18	11 35	1	20 26	49 26		34	1:	1	1:	
	-		Gallons	.72 3	123		813	00 2	66 4	5	60 3	76 2	-	10	00	1 -	-	. 8	9	1 -	22
EST		'ə.	Water Used per Acr		-			8	00	0		9	eted		5	96	136	92	107	82	93.2
I DNI			Puel used Ibs. per acre	22.58	5 23 . 59		22.93	2 15.3	34.00	16.93	27.26	6 14.78	compl	8 16.05	3 27 .64	2 158.1	0 147.2	120.	1 149.6	1 01	120.8
TOW			Time, minutes	299	255		369	222	_	375	390	41	not	408	356	41	3 170	7 413	20)	497.	381
Р			Acres Plowed	3.61	3.20		6.65	5.00	2.73	10.6	8.82	17.59	Test	12.43	12.01	8.98	6.06	1.	12.16	33.08	24.07
			belleverT seliM	2.49	7.14		8.92	8.92	3.57	2.49	0.70	2.49		12.49	0.70	6.05	5.35	7.84	14	.45	2.48
	SWO	1	Мідер	14 " 1	14"		1 2	14"	14 "		14" 1	14"	1:	14" 1	14"	14 " 1	14"	14 " 1	14" 7	14" 21	14" 12
EST	IP!0	i –	Number	0	0	wi	9	4	: :	-	9	n 10	9	1	00	4	00	00	112	12	
KETI		əu	iT zaiaavA lstoT	30 min	30 min	or plo	14 min	30 min	30 min	30 min	30 min	30 min	30 min	30 min	30 min	30 min	30 min	30 min	30 min	30 min	10 min 30 min
RA	-		H.P. Hrs. per Unit Fuel	.67	1	mm	6	.32	00	0	10	1.	.0	67	.49	20	30	0.	0.	4.	.6 3
UM B	-		TOG PAH GH	00	0	xim	1	00	5	1 10	10	25 8	14	5 9	04 35	1 17	20	24	12	23	17
IWIX			Fuel Used, Lbs.	64	11.7	m a	1	6	17.	23	24.5	19.2	12.0	20.	34k 1	17	238	192	517	278	511
MA			Gal. Water Used.	2.75	1.15	st on	1	2.75	2.7	0	1.2	4.0	12.3	0	3.4	7.99	49.5	43.3	5.4	27.4	20.8
IOUR	-	2	R.P.M. Eng. Pulley	247 2	173	o t est	363	240	199	616	335	345	302 1	489	372	268 9	276 14	255 14	240 27	225 227	243 3
LF H				2	.2 11	Z	.15	.6	.1	-	00	00	07	9.	.2	.0	.6	.3	4 2	0	07 8 2.
HAI			heqoleved . H. H	15	19		34	22	29	35	00	47	50	53	49	60	96	94.	124	129.	132.
			H.P.Hrs. per 100 gal. Water.	391	629	644	4015	442	1755	:	1584	620				35.1	33.5	33.8	31.7	32.6	34.0
	I	bet <i>s</i> :	Lbs. Water Evapoi per Lb. Fuel.	3.63	1.21	1.27	0.27	3.51	0.48	0	0.57	2.71	0	0	.80	7.2	7.17	8.22	8.71	9.97	7.24
		ə	mit gninnuß letoT	hrs.	hrs.	24 m	57 m	hrs.	hrs.	hrs.	hrs	hrs.	hrs.	hrs.	ITS,	hrs.	hrs.	.18.	hrs	T8.	rs.
EST				94 2 h	53	71 1.5	48 1.1	86 2 1	86 2 1	93 2 1	34 2 1	00	67	83 2 F	88 2 h	28 2 h	02 2 h	85 2 h	66 2 h	4 2 h	9 2 h
KET			H.P.Hrs. per Unit Fuel	7 9.0	5.58	6 5	5 9.4	2 10.8	5 5.0	9.	9	11.7	10.8	10.	6.	25.2	24.0	27	27.6	32.54	24.59
BPAF		.1	Per cent. Fuel Used	80.7	26.7	17.(14.8	17.2	23.8	22.0	22.5	20.3	23.4	18.8	132.5	34.1	39.6	32.3	100	28.4	56.6
OUR			Fuel Used, Lps.	21.5	35.5	35.5	40.5	28.5	65	20	17	551	64	67	106k 14g	3.50	556	443	7013	606	861 5
ЮH		pə	Per cent. Water us	26	57.3	13.5	3.05	22.7	2.4	0	4.3	13.3			29.	176	132	168		00	2
TWO	-		Gals., Water Used	00	ŝ	ιQ.	-	0.	-		4.	0	0	0	.6	3 17	7 13	5 16	2 165	198	125
				2	27 4	4	1	10	0	0	4	15	0	0	ap	252	398	364	611.	604	623
			R.P.M.Eng.Pulley	249	11	254	350	235	203	262	304	344	297	493	378	264	256	265	265	233	247
			H.P. Developed	15.28	14.16	20.69	28.13	22.11	27.21	34.66	34.86	46.49	49.76	51.84	46.8	44.25	66.79	1.69	7.08	8.61	5.86
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test give those interested an opportunity of comparing the work done by the contestants.

FOR NEXT YEAR'S CONTEST

These motor contests have been of great educational value. It has not been demonstrated that any one engine is inferior. Low scores have developed where there were mishaps, but it does not require a serious deficiency or miscalculation on the part of the operators to give a margin of a few points in a total of 400.

table However, farmers have been interested in traction power and that is the chief object of the contest. Manufacturers spend sums totalling \$500 to \$1,000 or more in order to show to the world what their engines are capable of doing, and they know that whatever attracts the attention of those who have a use for such power outfits inollowing creases the business of all. It is to be hoped that next year's contest will be bigger than ever. If more features of a practical nature can be introduced so much the better. To the lay-farmer there are other things besides brake tests and plowing prairie sod that are interesting when engines are talked of. He wants to know something of what an engine can do hauling disks, seeders, harrows in the field or wagons on the road, However, it can be left to the exhibition management and the men placed in charge of the contest to work out details.

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FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

SELECTION OF TRACTORS AND EQUIPMENT

RANTING the practicability of traction of fuel which can be used to advantage. Steam made in the last six years in the development vital point. Plows for this work are in the dependent on limited sources of supply. main satisfactory and, being confined to Aside from the foregoing considerations, the practicable farm motors gives promise of even

comparatively few makes, are more easily in- essentials are practically the same for both types. more rapid progress in the next decade. When vestigated. However, the large and rapidly Strength must be a prime feature of a successful it is considered that during the long era of degrowing number of traction engines offered for farm motor. This applies particularly to frame velopment of farm machinery no radical imsale makes selection difficult. To be practicable and traction gearing. The latter should be of provement has been effected in the animal as



CARACTERS

THE CASE ENGINE PLOUGHS A GOOD STRETCH EVERY ROUND

a source of motive power.

of delay occasioned by wet weather and the adjustment. acreage must be provided to utilize the plowing One authority states that in building a tractor is that the binder is, perhaps, given a hasty

capacity of the engine, and in other work, such he would first build the wheel and then the en- inspection, which in a majority of cases fails

plowing, the selection of equipment, engines use a wide variety of fuels with little of both steam and gasoline tractors has been reand especially of the tractor, is a difference in efficiency and are consequently less markable and that the concentration of capital and thought upon the problem of supplying the tractor must be powerful, durable, economical, steel or semi-steel, wide in face and bearing, and a source of motive power, it is not surprising that

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the early history of plowing by mechanical prime movers does not show a general advantage in economy over ordinary methods. The animal as a motor has many advantages which must be overcome before the universal introduction of mechanical substitutes, and the latter is not imminent. However, the increasing purchase and use of smaller tractors by Western farmers, not only in grain-growing sections but on larger farms in the corn belt, indicate that practical men are finding profitable employment for a general-purpose farm engine. So long as large areas of prairie remain to be broken there will be a field for the large plowing engine developed for that purpose alone, but the activity displayed by inventors and manufacturers justifies the expectation of dependable farm motors, varying in type and size, adapted to a much greater variety of work than that in which they have hitherto been chiefly employed.

Care of the Binder

Considering the high price of binders, together with their comparatively short life and the short time they are used each year, few better investments can be made by a farmer than that of providing adequate shelter. Before bindand simple, with emphasis on all four points. of the best workmanship. The gearing should ers are put away after a season's work they should It must draw a profitable load continuously be absolutely protected from dust, as should all be gone over with the same care that a good enwhile at work and that without excessive depre- bearing surfaces. The gears probably more than gineer would bestow on his engine. All old grease ciation and repair charges. It must be economical any other parts are subject to wear and breakage and dirt should be removed from the surface of fuel and labor and not so complicated as to and should receive great attention from both as well as from the bearings. This can be done require skill not readily acquired by the average manufacturers and purchasers. They should be with kerosene and waste. The binder should farmer. In addition to serviceability in plowing in perfect alignment at all times to prevent un- be carefully oiled and all bright parts greased it should be adapted to a wide range of usefulness equal wear, followed by strain and breakage. to prevent rusting. After the season's work in order to compete seriously with the horse as Rigidity of frame and wide bearings tend to effect is over is also the proper time to repair and overthis alignment, yet in so far as is possible flex- haul a binder for next year. At this time the As to size, it may be said that for plowing alone ibility should be allowed in order to minimize operator knows, or should know, all the deand where work is abundant and delays few, the the effect of rough ground. Jolting should be fects of the machine and what it needs in the line largest engines are the most economical, as the transmitted as little as possible to moving parts of extras, and repairs to refit it for the next cost of labor and the interest and depreciation mounted on the boiler frame. Perfect lubrication season's work. If the machine is put away, on may be distributed over a larger acreage. How- is necessary, and all parts of the engine should the other hand, without being given a second ever, the larger the outfit the longer the period be easily and instantly accessible for repairs or thought until needed again, the operator, if he still remains on the place, will have forgotmore limited the sphere of usefulness. A larger The traction wheel is a fundamental point. ten what the machine most needed. The result

etc., frequently economical use cannot be made of the power of the largest engines. The smaller engines are less economical of fuel and labor, but being better adapted to a variety of purposes reduce the overhead charges through increasing the days of service rendered.

Both steam and gasoline tractors have their advantages for this work. The former are more advanced as a class and are built in larger units, and hence are popular where conditions demand great power, as in breaking large acreages. On the other hand, gasoline tractors, possibly on account of size, can usually transform into effec-

developed than can steam tractors. A greater

a minimum. Internal-combustion engines as a of application. Types of wheel composed of inclass convert into work a much greater proportion dependent pedals are being developed, with a Every successful and progressive farmer in of the thermal units in fuel than do steam en- view to reducing the loss through slippage. gines, but present types are restricted in the kinds In general it may be said that the progress ing every year.

as threshing, hauling, disking, harrowing, seeding, gine. The wheel must be either wide enough or to reveal anything, and brought out into the



tive pull a larger percentage of the power actually TWENTY AUTOMOBILES LOADED WITH AMERICAN FARMERS LOOKING FOR FARM LAND AT SCOTT, SASK., AND AN AMERICAN ABELL PLOWING OUTFIT STARTING TO WORK.

weight of supplies must be carried by steam en- high enough to support the weight of the engine field with numerous small defects that could gines, this, of course, adding nothing to their on soft ground and to distribute it under all cir- have been repaired at a nominal expenditure strength. Gasoline engines are usually capable cumstances without undue packing of the soil. of time and money. If the farmer is too busy of longer runs without replenishing supplies and Some tractors already rival the horse in the mat- to attend to repairs immediately after the sealess time is therefore lost on this account. They ter of weight per unit of bearing surface. Besides son's work is completed he should at least have the advantage in being quickly started and width and height there must be a proper arrange- find time to do the next best thing, which is to in not consuming fuel when not at work. The ment of lugs on the surface of the wheel in order make a thorough note of all Jdefects of the matter of supplying fuel is simpler and the ex- that it may grip the soil firmly and still not clog. machine with a view to remedying them when pensive process of supplying water is reduced to Great loss of power may occur in this simple point time is more plentiful.

the Canadian West does more or less dry farm-

* *

DAIRY

Milking Hints

Before milking the cow's udder should always be brushed or wiped with a clean, wet towel and cow's udders that are very dirty washed with 10 soap and water. Both the hands and clothes of the milker should be perfectly clean. A great mistake which is often made is to lean the head and weight of the milker's body against the cow. 1

Abstraction of the milk from the udder de- pends upon suction. Take hold of the teat and 23 squeeze with the fingers, starting from the top downwards. The fore teat and one hind teat should be milked at the same time. The hind quarter gives a little more milk than the fore quarter. Care should be taken to milk quickly and thoroughly, for if any milk is left in the udder the cow will gradually dry off.

Streak Milking .- This consists in drawing milk from the udder by means of streaking the teat, or drawing the teat between the thumb and first finger or two fingers. This'is not a good method, as it is liable to make the cows difficult for others to milk afterwards and may cause sore teats.

If the hands are wet the advantage is (some slip more easily over the teat, and therefore the process of milking can be got through quicker, but it is an old fashioned and dirty method, about which the less said perhaps the better.

The essentials of good milking are : That the p: ocess should be performed (1) quickly, (2) quietly, (3) thoroughly.

Advantage of Silage Over Other Feeds

There are several points which every cow owner would do well to consider if he is to get the best milk yield and reap the greatest profits from his herd. In the first place, a cheap ration must be provided, one that can be raised upon the farm; secondly, it must be well adapted to milk production and fed liberally.

As a rule, the greater portion of the feed can be raised at home, which always lessens the cost of production. For that reason corn silage has come to be recognized by nearly all stockmen as the most economical feed the farmer can raise. To show this more clearly we will figure the actual cost of feeding an average herd of ten cows from the time the pastures fail in the fall till grass comes in the spring, or a period of some 240 days.

The amount of silage necessary for 10 cows for the given period, allowing an average feed i 40 pounds to each cow per day, would require 48 tons. The average yield of green corn per cre in North Dakota is close to 8 tons. At this rate, 6 acres of corn would furnish a sufficient will be competed for yearly until won three times depreciation. amount. The United States department of agriculture estimates the average cost of raising an acre of corn to be \$11.07, and reliable authorities figure the cost of putting corn with the silo to average about 75c. per ton. Then we may arrive at the actual cost of the feed as follows Cost of raising 6 acres of corn\$ 66.42 Cost of harvesting 6 acres of corn..... 36.00

silage.

GRAIN RATION Pounds food

	FO	unus 1000
	Mat	terial Used
	s prairie hay	. 4.7
2	oat	. 1.2
). · · · ·	bran	
E "	corn	. 3.2
÷ (linseed meal	. 6.9
-		
pound	s. Total	. 19.3
	SILAGE RATH	ON

40 p	ound	ls sila	ge				5.2
10			irie hay.				
4	6.6		n				
1	66	lins	eed meal		 		6.9
						-	
55 p	ound	ls.	Total.			1	19.0

[NOTE.—These interesting figures are supplied value of the cow to the butcher.

by an expert. In the Canadian West few stockmen grow corn, and still fewer have silos. Those who have provided corn fodder in any form for winter feeding have been satisfied with results. The figures given above indicate that it will be 400wise to select a suitable piece of land on which 500to grow some corn next season.-Editor.]

B. C. Dairymen Meet

The British Columbia Dairymen's Association held a conference during the Vancouver exhibition at which several questions of importance to the dairy interests were discussed. Prominent among those was the consideration of an alleged failure on the part of the railway companies ducers, as witness in the following table to give speedy transportation of their products and a quick return of empty receptacles.

The result of the discussion was that the newlyappointed secretary of the association, M. A. Jull, was instructed to take the matter up with the officials of the road and ask for similar shipping Net profit facilities as are in force upon railroads of Manitoba.

In connection with the various dairy competitions held in all parts of the province, the asso-

The economy of feeding ensilage is even more in succession by any one dairyman, P. H. striking when we compare the cost of a ration Moore, provincial dairy expert, was appointed made up largely of grain and one where a part judge of the competitions. Mr. Bishop, of of the oats, corn and bran are replaced by corn Victoria, will co-operate with Mr. Moore in August, and Mr. Mackie, of Eburne, taking his place dur-

ing the month of November, when the heaviest Cost work will be done.

d. per day. President W. E. Buckingham, of Eburne, was 6c. in the chair. Other officers present were : 3c. Vice-President Shannon, of Cloverdale, and 6c. 2nd Vice-President F. Bishop, of Victoria. Mr. 5c. W. E. Scott, deputy minister of agriculture, was 2c. also present and gave valuable advice with reference to several of the subjects under dis-22c. cussion.

Estimating Value of Cows

6c. In a recent issue of Hoard's Dairyman, a corres-4c. pondent discusses the profits of production, 2c. showing the net profits resulting from cows producing 200, 300, 400 and 500 pounds of butter-16c. fat annually. The butterfat is valued at 27

The above rations are figured for the average cents per pound. Other items counted on the dairy cow and each contain practically the side of production are the value of the calf, which same amount of food material. It is noted that runs from \$3.00 with the 200-pound cow to there is an actual saving of 6c. per cow per day. \$40.00 with the cow that produces 500 pounds With a herd of 10 cows, this represents a saving butterfat per year; skim milk running in value of 60c. per day, or for 8 months, the average from \$14.00 to \$36.00; manure running from believe) that the fat in the milk makes the hands time a dairy cow would be fed, would mean a \$20.00 to \$28.50, and one-eighth the final value saving of \$144 in cost of grain, or \$14.40 per of the cow, which in all four cases is taken to be cow.-S. L. MARTIN, N. D. Agricultural College. \$3.00 per year, \$24.00 being judged the final

The result can be stated as follows :

Receipts. Expen	ditures. Profit.	
-pound cow. \$ 94.40 \$ 82		
-	50 30.60	
-pound cow. 184.80 137	.50 47.50	
	.50 73.00	

In the matter of expenditures there is charged against the cow such items as feed, labor, interest on barns and the value of the cow, insurance, depreciation in value, medical attention, taxes, risk and service fee. Where cows are raised and valued according to their actual cost of production, the net profits are higher than is shown in the above table, especially for the higher pro-

ANNUAL BUTTERFAT PRODUCTION

200 lbs. 300 lbs. 400 lbs. 500 lbs. Net profit

when cow is

bought... \$12.40 \$30.60 \$47.30 \$73.00 when cow is

12.40 44.45 82.17 129.00 raised....

The higher net profits from cows raised upon ciation decided to issue gold, silver and bronze the farm are due to their lower cost to the dairymedals as awards for the best kept dairies. An- men, reducing the following expenses based upon other award provided for was a silver cup which the cost of the cow; risk, taxes, interest, and

200

300

4c.

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Total\$102.42 Cost of silage for 10 cows, 240 dayst.....\$102.42 Cost of silage for 1 cow, 240 days 10.24 Cost of silage for 1 cow, one day. $\ldots \ldots \ldots 4\frac{1}{2}$

According to the best authorities on animal feeding, the leaves and the stalks contain about 37% of the food value in the corn plant, which is practically a total loss if the ears only are fed. One hundred pounds of silage contains 13%, or 13 pounds of food material, at which rate 48 tons would contain close to 11,480 pounds. If this amount of food material were furnished in the form of :

Prairie hay, would require 11 tons at \$12.

would cost \$132 Timothy hay, would require 12 tons at \$18, would cost....

Oats would require 11 tons at \$15, would 165



JOSEPHINE TEAKE SIR DEKOL, FIRST PRIZE TWO-YEAR-OLD HOLSTEIN BULL, WINNIPEG, 1910 OWNER W. M. GIBSON 159 ALEXANDER AVE., WINNIPEG

P. H. ppointed shop, of August, lace durheaviest rne, was were le, and ia. Mr. ure, was ce with der dis-

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L COTTESduction. ws probutterat 27 on the which cow to pounds value from value n to be e final Profit. \$12.10 30.60

47.50 73.00harged nterest

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August 31, 1910

FIELD NOTES

Brandon Horticultural and Forestry Society

The annual exhibition of the Brandon Horticultural and Forestry Society was held last week at Brandon. The exhibit of vegetables, flowers and out door plants was a large and creditable one. Vegetables were a fine display, potatoes especially. The Experimental Farm made one of the best displays on record, showing splendid collections of flowers, vegetables and fruits. E. Sanderson, Dauphin, Had a fine collection in the professional class. Amateurs were well represented in all lines. The show was the most successful yet held under the auspices of the Horticultural and Forestry Society.

Serious Forest Fires

Forest fires have been raging for the past two weeks in parts of Montana and Idaho. Towns and villages have been wiped out, scores of people killed and thousands rendered homeless. The fires are supposed to be of incendiary origin and are the worst that have occurred in the United States in years. The smoke cloud from the burning timber is said to have spread hundreds of miles from the scene of the conflagration, ashes falling as far north as the Canadian boundaries. Troops and fire fighters from all the Western States have been battling the flames, but their efforts to check the fires were almost without avail. Millions of feet of timber have been destroyed.

Saskatchewan Crop Report

The Saskatchewan department of agriculture have iissued the final estimate of the yield of the four lead ng grain crops, based on reports from crop correspondents in the various districts. The total grain crop is estimated at 161,912,790 bushels, divided as follows:

Wheat	4.642.000	14.7	68,416,000
Oats	2,103,000	39.7	83,500,000
Barley	237,100	26.1	6,199,200
Flax	393,100	9.66	3,797,590
No reduction	in arrange he	har	0,101,000

No reduction in acreage has been made for the area of crop plowed under. The estimated yield per acre is for the area sown and not for the area that will be harvested.

The crop of 1910 is, generally speaking, one that will be harvested economically, as the proportion of grain to straw is high and the grain will be of an usualy high average quality. Harvesting was general throughout the province on August 16th, the date in different parts varying from August 11th in the southwest to August 21st in the northeast. Crops steadily improved during the four weeks preceding the commencement of harvesting operations.

Robert Meighen on Wheat Situation

In THE FARMER'S ADVOCATE of September 9, 1909, death being altogether unexpected. was published an interview with Robert Meighen, managing director of the Lake of the Woods Milling gained his first knowledge of agriculture on this side before the spring of 1910, and the forecast was well of the Canadian Livestock Journal, published at

sarily be kept on the movement of grain, the opinion of animal husbandry in the University of Wisconsin, is worth considering. Mr. Meighen says: I am a and dean and director of Texas Agricultural College. strong believer that the farmer is at present in the Two years ago Professor Craig was forced by illsame, if not in a stronger, position than he was at health to give up college work and acquired a farm the corresponding period last season. He again holds at San Antonio. Since then he has taken up teach-the key of the position. The crucial point is simply ing, serving for a time at the Oklahoma Agricultural if he delivers his wheat in large volume as soon as College, from which he retired recently to his farm.

to congest the market, unquestionably values will gation work at the Iowa College this fall. recede for the time being.

FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

I firmly believe that it is not necessary for the farmer to strive to deliver all his wheat before navi-gation closes. History will in all probability repeat itself this season, as it did last, when the grower realized a higher value after close of navigation than before. The farmer has from the present time up to, say the first of March or heginning of April to to, say, the first of March or beginning of April to deliver his wheat: I do not advise the farmer to hold his entire crop to deliver at any specified period, but would advise moderate deliveries. The ultimate

result to him will, in my opinion, be more satisfactory. We are short on this continent. The outturn of the present crop will be at least 150 million bushels short of last year's. I believe it is generally admitted that France will be at least 50 millions short for domestic consumption. Instead of being an exporter France

this year will be an importer. If the farmers of the United States, the Canadian Northwest and the province of Ontario (which, I believe, has a bumper crop this year of first-class quality) rush their wheat to market as soon as threshed, as I have mentioned already, prices may recede for the time being. On the contrary, if they moder-ate their deliveries they will, in my opinion, receive more satisfactory results later on.

Ontario Fruit Crop Short

According to the report of government inspectors the fruit crop in the Niagara peninsula will not be fifty per cent. of what it was last year. The plum crop will not be twenty per cent, of the crop of last year, grapes will be fairly abundant, the peach crop will be medium, and apples will be by no means plentiful. The result will be that fruit will be higher in price and especially in outside markets.

The government inspectors attribute the smallness of the crop to the neglect of many farmers in spraying, to the continued cold rains about the time of blossoming, and to the curled leaf, a fungus disease which attacked the trees in the early part of the season. In some orchards where the curled leaf was principal varieties of fall peaches, will be much lighter to the ground to catch the public effect of his utterthan last year, when there was a full crop.

Plums in a great many orchards are reported as a total failure. The European and American varieties will yield about half a crop, and the Gneiis, the Quackenboss, the Lombards and the Niagaras will be very light. There are prospects of a fair crop of apples, but, of course, the fruitgrowers of the district are not nearly so much interested in apple-raising as in peach and grape raising. Most of the varieties of grapes are showing up fairly well, and there are prospects for a fairly good-sized crop.

Prof. John A. Craig Dead

Word comes from San Antonio, Texas, of the death of John A. Craig, one of the best known authori-ties in America on livestock and agricultural affairs. Professor Craig died after a very brief illness, his

Company, in which he advised farmers to sell their of the boundary line, though for years he has been wheat carefully and not break the market. He engaged in agricultural college work in the United predicted then that wheat would sell at higher prices States. He was first known to Canadians as editor

in line with the happenings of the market. Mr. Meighen, on August 22, summed up his opinion he went to the United States and has filled the po-of the outlook for the present season and in view of sition of professor of animal husbandry and vice-his position and the close watch that must neces-director of the Iowa Agricultural College; professor

threshed, and rushes it forward, having the tendency He was slated to assume charge of avestock invest i-

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Professor Craig is best known to many of our readers

The Census and Statistics Monthly for August gives the highest, lowest and mean (average) temperatures at the experimental farms in the West for July. ' At Brandon the highest temperature recorded was'104.5; lowest 41, mean 66.9. The average temperature at Brandon in the previous twenty years has been about 64.6 degrees. Rainfall at the same point for July is usually about 2.33 inches. This year it was 2.0 inches. At Indian Head the highest temperature was 94.0, lowest 43.0, mean 66.43; average temperature in 20 years previous 68.1; rainfall for July 86; average for previous twenty years, 2.97 inches. At Agassiz, B. C., the highest temperature for the month was 94.0, lowest, 44.0; mean, 69.0; average for previous twenty years, 65.5; precipita-tion for July, 1.16 inches; average for preceding years, 2.07. At Lacombe highest temperature was 85.1; lowest, 32.4; mean, 58.69; at Lethbridge, highest, 98.9; lowest, 33.5; mean, 66.25.

Events of the Week

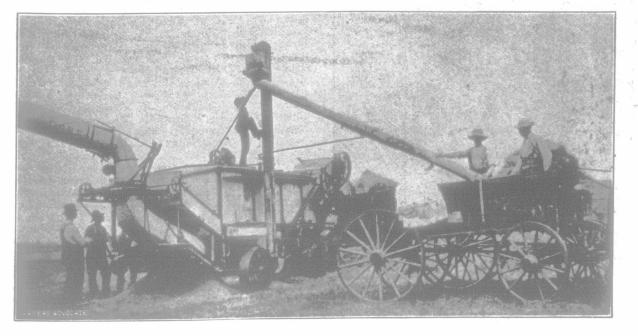
A serious rear end collision occurred on the Grand Trunk near Durand, Mich., on August 24, when the Chicago to Montreal express was wrecked, a sleeper smashed and the passengers in it killed or injured. The number of dead is placed at twelve. The wreck was due to the neglect of the crew to properly protect their train from the rear, whilst lying on the track for temporary repairs.

Colonel Roosevelt is looming large in American newspapers these days because of his supposed desertion of what Taft and his element in the Republican party are supposed to stand for, that is the organization before everything else. The colonel prevalent in the beginning of the year there will be no peach crop at all. Elbertas and Crawfords, the some thousands anxious politicians have their ears

The Corean dynasty, which has lasted 518 years, came to an end last week, when Japan absorbed the kingdom which will henceforth be a part of the Japanese dominions. Corea contains a territory as arge as England and a population of twelve millions. While the country has been practically governed by Japan for the past five years, it has not been a part of the Empire. The recent action gives the Japanese a strong footing in Asia.

Masons and bricklayers in Winnipeg, to the number of five or six hundred, went on strike last week, and building is almost at a standstill in consequence. Because a firm employing masons in Winnipeg, was having trouble with its men in Montreal, a strike was called by the International Union, having headquarters in the United States, and the masons quit work, not because they had any grievance but merely because someone higher up ordered. It looks at present as though the strike might spread and involve other building trades.

Immigration into Canada is holding up to an extent which surprises railway men who have to take care of new arrivals and see that they are placed in the West. In fact, it is stated there is apparently no dull season coming, and that the figures for the present period, which in years past used to be considered a quiet spell, will show that new settlers are coming at a rate which a few years ago would constitute records for the busiest time. The continuance of the immigration season now is largely due to the easing up of restrictions placed upon new settlers by the government, especially in the waiving of the \$25 rules. * * *



THE MODERN THRESHER HAS BAGGER AND BLOWER ATTACHMENTS AND WEIGHS THE GRAIN AS IT COMES OUT

Britain's newest and greatest battleship was launched on August 20. She is named the Orion. Compared with the armored cruiser Lion, of 26,350 tons, just launched, the Orion will displace only 22,500 tons, but her ten 13.5-inch guns and her new deadly equipment of torpedoes render her by far the most powerful battleship afloat. The new torpedo to be carried weighs nearly a ton, and its range will exceed 17,000 yards at a speed of forty knots. The torpedo carries a charge of guncotton weighing 250 pounds. The ship will have a speed of twenty-one knots and will carry 4,000 tons of fuel, giving her an unusually wide radius of action.

The German Emperor attracted the world's attention to himself last week by an aggressive speech in which he repeated his belief in the medieval idea that kings rule by divine right and that crowns are bestowed by the Almighty and not by parliaments or popular assemblies. The speech has aroused con-siderable comment from the German press, and is the political sensation of the hour in the fatherland. It seems hardly creditable that monarchs in Europe in these days should cling to a belief that was sup-posed to have been exploded some centuries ago. Trouble is expected in the next German parliament as a result of the Kaiser's assertion of the divine mandate by which he rules.

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TER-PROVINCIAL CONFERENCE AT COAST

FOR the establishment of closer trade plations pointed out that although the distance from Calgary bia and Alberta be permitted to enact a uniform between the provinces of British Columbia to Fort William was about double that from Calgary law licensing and bonding all commission merchants and Alberta, and for the purpose of securing to Vancouver, nevertheless the freight charges on handling any kind of farm products, the provision of a reduction in the existing freight rates be-wheat to Fort William was 24 cents a hundred, while same to be along the line laid down in the Manitoba tween the prairie provinces and points in British for the haul to Vancouver they had to pay 32} cents, Grain Act for the licensing and bonding of grain com-Columbia, a conference between the directors of unless the wheat was for foreign shipment in which mission merchants.

tween the prairie provinces and points in the directors of unless the wheat was for foreign shipment in which mission increments. the United Farmers of Alberta and the representa-tives of local boards of trade in British Columbia was held in Vancouver, August 18 and 19. One of the chief results of the conference was the resolution of the chief results of the conference was the resolution detected helding that the existing rates are discrimin-ber. tween the wheat was for foreign shipment in which mission increments. GRADING AND INSPECTION OF HAY The need for improvement in the rates on other the chief results of the conference was the resolution the the existing rates are discrimin-ber. the the existing rates are discrimin-ber. the the existing rates are discrimin-the the existing rates are discrimin-th development of both provinces.

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tended the conference, which was largely composed were adopted : of the members of the board of trade of Vancouver That this m importance were discussed.

sumed, but at the present time existing conditions panies as well. prevented the securing of such products from each other.

At the opening session Jas. Bower, Red Deer, Alta., president of the Alberta Farmers' Association, was elected chairman of the meetings. Among those from Vancouver who attended and took part in the discussions were : E. Buchan, president of the Vancouver board of trade ; H. A. Stone, chairman of the Vancouver freight rates committee ; Captain Worsnop, of the Canadian-Mexican line; J. E. Hall, of the Vancouver Milling Company; W. J. McMillan, in both provinces of a system of public abattoirs, preparing the proposed grades of hay. of the Vancouver board of trade, and others promi-either by the municipalities or by the provincial nently connected with trade advancement.

FREIGHT RATES QUESTION

Burnett, Vancouver, formerly an Alberta farmer, requested in this matter. and now the owner of a grain elevator in Vancouver, That the provincial governments of British Columand now the owner of a grain elevator in Vancouver,

and a number of representatives from various points the United Farmers of Alberta, representatives of as otherwise he was sure the government would have throughout British Columbia as well as the farmers the farmers of British Columbia, the board of trade of nothing to do with a multitude of local systems. The of Alberta are vitally interested in better trade rela- Vancouver, and members of various other com-tions, and, no doubt, combined effort shall bring mercial organizations of both provinces, express its cordingly moved and passed : That representaof Alberta are vitally interested in better trade rease validations, and, no doubt, combined effort shall bring mercial organizations of both provinces, express its cordingly moved and passed : That representa-forth desired results. In addition to the rate ques- deep conviction that excessive freight rates between tions be made to the Dominion government pointing tion, and the matter of greater commercial intercourse Alberta and British Columbia are seriously hindering out the unsuitability of the present standards of hay between the provinces, other matters of vital interest and diminishing the interchange of products under for Alberta and British Columbia, and the necessity came before the convention. The matter of public present conditions, and retarding future develop- of a suitable standard of quality for hay, if the hay slaughter houses, of licensing commission men, of ment in both these provinces. And it is further the industry is to reach its highest state of development, standard inspection of hay, of government con- conviction of this meeting that the time has now such standards to give grades for timothy, clover, trolled terminal elevators, and other topics of general arrived when a substantial reduction in rates should alfalfa, brome, wild native hay, and other varieties be effected, which will not only be of the greatest which are necessary for the business of the West;

Alberta each produced products that the other con- sumers of these provinces, but to the railway com- out the provisions of the Inspection and Sales Act

That copies of the above resolution be forwarded to the presidents of the C. P. R., Great Northern, C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R., and to Mr. Whyte, requesting C. N. R. and G. T. R. and to Mr. Whyte, requesting C. N. R. and G. T. R. and to Mr. Whyte, requesting C. N. R. and C. T. R. and to Mr. Whyte, requesting C. N. R. and C. T. R. and to Mr. Whyte, requesting C. N. R. and C. T. R. and to Mr. Whyte, requesting C. N. R. and C. T. R. and to Mr. Whyte, requesting C. N. R. and C. T. R. and to Mr. Whyte, requesting C. N. R. and C. T. R. and to Mr. Whyte, requesting C. N. R. and C. T. R. and to Mr. Whyte, requesting C. N. R. and C. T. R. and to Mr. Whyte, requesting C. N. R. and C. T. R. and to Mr. An and the transformation of the transformati that a meeting be arranged at a date to be agreed upon by duly appointed representatives of both parties.

That a standing committee composed of repre-sentatives of both Alberta and British Columbia be British Columbia and Alberta be requested to give appointed to work out the details of a plan for better trade relations between the two provinces.

governments under government inspection. That copies of this resolution be submitted to the

The question of discriminating freight rates was agricultural departments of the governments of the with freight rates came up for considerable discussion. the most important before the convention. A. two provinces and that their active co-operation be Capitain Worsnop, of the Canadian-Mexican Steam-

Fruit was another product of British Columbia vised that it was useless to approach any but the that should receive better treatment from the rail- Dominion government on this question, as it was al-Some eighteen representatives from Alberta at- way. After much discussion the following resolutions ready partly covered by the Dominion act. He also anded the conference, which was largely composed were adopted : That this meeting composed of the directors of decide on one system of grading for the whole West, It was readily admitted that British Columbia and importance and benefit to the producers and con- and that competent inspectors be appointed to carry

be appointed to draft the proposed grades of hay, and if same are suitable, that the government be requested to add same to the Inspection and Sales Act.

their assistance in securing these amendments to the act. That the committee appointed consult That this meeting recommend the establishment the hay interests of Saskatchewan and Manitoba in

THE GRAIN QUESTION

The grain question, other than its connection ship Company, gave the meeting his opinions

(Continued on page 1286)

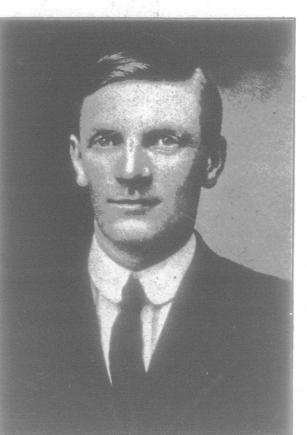
Vancouver Association Holds First Big Exhibition

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officially opened the exhibition, which, indeed, was a a long entry in the feathered and canine classes. happy augury

the standards already achieved by other exhibition associations, the Vancouver show this year could not be noted as being an outstanding success, but considering that this is its initial fair, that the citizens had to be interested, the grounds bought, the buildings erected, and so much missionary work done, it

E first exhibition of the Vancouver Ext cattle and swine exhibitors were not numerous, Andrew Graham, Pomeroy, Man.; cattle, sheep and hibition Association now stands a matter of while on the other hand the competition in the sheep swine, Jas. Bray, Portage la Prairie; poultry, Sharp history. The West coast city has reason and coast of a multiplication. to congratulate itself upon its latest achieve- and as to quality. The dog and poultry fanciers ment, the success of its first fair. Sir Wilfrid Laurier had much to interest their enthusiasm, for there was



HORSE EXHIBIT

The competition was found to be the greatest in the light horse classes, and especially among the harness Were one to judge the success of the exhibition by Light horses, Dr. J. L. Oille, Toronto; heavy horses, and Victoria were found in the Standardbred and Thoroughbred classes. W. Nicholl, T. J. Smith, and T. and J. H. Wilkinson, all of Vancouver, were the largest exhibitors in the standardbred classes

The exhibit of Hackneys was an interesting fea-ture. D. C. McGregor, Vancouver, was perhaps the largest Hackney exhibitor, and in the female classes he won most of the ribbons Sensation hibited by Malcolm Stewart, Vancouver, was the winning stallion in the aged class. Sky Pilot, owned by Jas. Bethwell, Vancouver, was second. In the class for stallion under 15.2 hands, General of Cornwall, exhibited by W. Gyldenfeldt, Seattle, was first. This horse received the stallion championship ribbon. Brilliant of Chanque, owned by H. M. Fleming, Vancouver, stood second in this class.

is only right that the management and directors should be congratulated on their first efforts. The grounds where the fair was held lies eastward from the center of the city, overlooking the inlet that divides that portion from North Vancouver. The location is ideal and picturesque.

From an agricultural standpoint the exhibition was not a real success. Aside from the light horse exhibit, the live-stock showing was not a strong feature. The display of agricultural products was not of an overwhelming nature, perhaps owing to the earliness of the season. However, there were numberless commendable features about the first exhibition.

The light horse show, the dog and the poultry show were striking features. The attendance was the most striking evidence of the popularity of the exhibition. . There was a long race programme, and the side attractions were numerous. Down the midway the barkers awakened such echoes among the trees as have surely never drifted that way before. And some of those gigantic cedars and firs must have felt dizzy-headed after witnessing the whirls of the merry-go-round machines. There was much attraction for the city folk, and real enjoyment for visitors. Manager Roy performed his task well, and the Vancouver Exhibition Association may look forward to bigger and better things next year.

LIVE-STOCK EXHIBIT

It could hardly be expected that the live-stock men would turn out in large numbers, as it was uncertain what accommodation awaited them. However, those who did show up were not disappointed, for ample provision was made for the comfort of all. There was an excellent showing of light horses, but in the rest of the horse classes the entry was not large. The

MORLEY A. JULL, B.S.A. Poultry Expert for British Columbia and Secretary-Treasurer of the B. C. Poultry Association, organized during the Vancouver Exhibition In the female Hackney class, Warwick Dora, ex-hibited by D. C. McGregor, Vancouver, won the championship prize and first in the aged mare class. Culraven Extravagant Queen, shown by D. & T. Stewart, Calgary, Alta., was second in this class and reserve female champion.

S. R. O'Neal, Vancouver, was the largest exhibitor of Clydesdales. He was the owner of the first and second Clydesdale stallions in the aged class, they being Rosendale and Crusoe. The former horse was given the championship prize. Royal Citizen, exhibited by the Inverholm Stock Farm, Ladner, stood third. But one other stallion was shown and that was Dunure Wallace, owned by J. O. Trethewey, Abbotsford. He stood alone in the three-year-old The Inverholm Stock Farm had a few enclass. tries of Clydesdale females, they winning the championship ribbons in lone competition. Charlie, ex-hibited by Macdonald, Marpole Co., Vancouver, was the champion gelding. P. Burns & Co., Vancouver, won the team prize with a pair of bay geldings, George and Chief.

CATTLE

The cattle exhibit could not be rated as a good one for there were but slim entries found in the various classes of the breeds that were represented. The (Continued on page 1286)

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FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

EDMONTON FAIR BREAKS ALL RECOR THD

HE Edmonton Exhibition Association held of Percheron horses. Some animals of worthy Evans, Edmonton; 2, J. J. Richards, Red Deer their big livestock show and race meet from merit of the breed competed for honors at the Ed- Foal, 1910-1, J. J. Richards; 2, A. C. A. Bell, Ed-

that lasted for three days previous to the Manitoba, were out with a good string. Vanstone over, A. C. A. Bell opening of the exhibition, to a certain extent marred & Rogers, Wawanesa, Man. ; H. O. Hutchins, Keeler, mont and Warhoop. the success it might have attained. As it was it came Sask., and E. I. Clark, Edmonton, were other ex-to a very successful termination. The new grounds hibitors. In the aged stallion class there were Her Majesty, a flashy chestnut. W. A. Jackson won when fully completed promise to be the best in West- four entries. Cavalier, shown by Ed. Clark, was second placing. Two-year-old filly or gelding-1, E. ern Canada. The buildings are elaborate and neatly placed first. Gay Tom, owned by Colquhoun & C. Evans, Edmonton. Stallion and three of his get-constructed and planned to accommodate an ex- Beattie, second, while Hutchins' Swift and Lino were 1, Robt. Smith, of Long Lake Farm ; 2, J. J. Richards hibition of an extensive nature. Manager A. G. Harrison has planned wisely and the success of this horse, possessed much size, but he was not the exhibition was largely due to his efforts. A com- favorite to many, for Gay Tom, the second animal, bination of many unique features places this year's carried with him much size combined with a great exhibition on record as being the most successful deal of Percheron quality. yet held by the association.

with great interest and evidenced admiration for the rated him third. His stable mate, Harpooneur, stock. superb animals as they were shown in the ring. HORSES In the two-year-old class, H. O. Hutchins had the

It is no exaggeration to state that there was at the only entry in Ansbert 2nd. Edmonton exhibition this year the best showing of as they were. Every class in the Clydesdale breed brought out a crowded ring, and the judge had to first select a number of the best animals and stable the others in order to allow him sufficient space to make the final placings. There was rather a strong entry of the French draft horses. The number of Percherons shown clearly define the growing demand for this breed. The Suffolk horse ranch of Lamerton, Alta., made the showing for the Suffolk breed with a fine entry of Suffolk stallions. Mr. Neil Smith, of Brampton, Ontario, awarded the prizes in the heavy horse classes and Dr. Rutledge, of London, Ontario, judged the light horses.

CLYDESDALES

It has been questioned why the Clydesdale breed is usually given first prominence in the report of an exhibition. The answer is often given that the Clydesdale breed usually puts up the best showing. Whether or not such argument will always stand investigation matters not. But at the Edmonton exhibition this year the Clydesdale was much in advance, especially as to numbers, and it thus seems fair to give them first prominence. There were eighteen entries in the first-class that was called, and awards and every time the winning animal possessed the size. Good feet and good limbs he gave consideration, but this found limitation in the quest for substance. Noted breeders from Manitoba and Sasof Spruce Grove Alta · Frank McKinle Ranuf, Fort Saskatchewan; J. Littlejohn, Edmonton, was third, a mare of good quality. and I. Richards, Red Deer to its credit some twenty-two entries. However, was first, while Bessie McQueen, shown by Jas. Olive Wenlock, a cow possessing good substance. only fourteen horses entered the ring. Polar Star, Clark, came second. Beauty 2nd, owned by J. H. Melick, was third, while owned by Colquhoun & Beattie, proved to be the known by most horsemen, as he has been in the money Queen, shown by Duncan Clark, was second. in most of the leading shows of the West this year. special prize given for stallion and three of his get Master McQueen, another massive seven-vear-old, was given to Master MacQueen, shown by Jas. shown by J. Clark, stood second. Vanstone & Rogers Clark. Second placing went to Baron St. Clair, Pundit, and with many he was a favorite, as he com- stallion, Polar Star, owned by Colquhoun & Beattie. bines much quality with considerable size. Royal Prince, a smooth goer, owned by Osborne owned by Major Langman. & Scott, stood fourth. Gallant Hero, exhibited by W. E. Butler, was fifth, while J. Richards had sixth placing in Ragoon. Best Canadian-bred Clydesdale stallion, Master McQueen, owned by J. Clark. Best Canadian-bred Clydesdale female, Lily McQueen, owned by J. placing in Ragoon. In the three-year-old class there were five entries. Clark. Best team of draft mares or geldings went to Colonel McQueen, owned by Jas. Clark, was the Major Langman on Salome and Throsk Peggie. winner. Vanstone & Rogers had second and third Second went to J. M. Bruce on his team of Clydes-placing in Bamboo and Colston Laddie. Bamboo is dale mares. Best gelding or mare, Clydesdale, a good mover besides being a horse possessing con-Throsk Salome, owned by Major Langman. siderable quality, but the judge gave the Clark entry the preference on account of his size combined with a deal of quality. Bay Ronald, exhibited by Duncan Clark, was fourth, and Selvanis, owned by J. Little-john, was fifth.

August 23rd to the 26th. Heavy rains monton fair. Colquhoun & Beattie, Brandon, monton. In the dry mare class, three years and that lasted for three days previous to the Manitoba, were out with a good string. Vanstone over, A. C. A. Bell won first and second with Rose-

placed third and fourth. Cavalier, the winning Red Deer.

The three-year-old class contained some interest-The livestock show was the leading feature. The ing entries. Blondin and Harpooneur, two noted new stables were well-filled with animals of the animals, exhibited by Colquhoun & Beattie, and various classes and breeds. Notable herds were Harmian, shown by Vanstone & Rogers, completed there from all parts of the West and large crowds the class. Blondin has been the champion at most of of spectators followed the progress of the judging the leading exhibitions this fall, but here the judges ton, Ontario, who placed the ribbons in the dairy

In the two-year-old class, H. O. Hutchins had the

There was not a strong entry in the female classes. horses ever witnessed in northern Alberta. In the In the brood mare class, Hutchins had the only light horse classes the entry was large and the com- entry in Fatma. He had two entries in the dry mare petition keen, while in the heavy breeds no spectator class, Acanthe and Gibolette. The special prize man who takes upon himself the responsibility of ever guessed that the entries would be so numerous given for the best four-horse Percheron team also judging at a fair such as this, if he does not make went to H. O. Hutchins,

BELGIANS

There were but two representatives of the Belgian breed. W. C. Kidd, of the Listowel Company, Ltd., of Strome, Alta., had the winning animal in Cæsar de Machelen, a four-year-old chestnut. This horse has a weight of 2,000 lbs., and is an active lad. Benjamin de Mellemont, shown by A. Coupal, of Morinville, was the second prize animal in the stallion class.

SUFFOLKS

Lamerton, Alta., had four fine entries in the Suffolk cona. classes. Rendlissham Macraphone, his four-year-old In

horse, won the ticket in the aged stallion class. Gardner & Sons, Wetaskiwin, came second with King of Lulu. For stallion three years and under four,

CLYDESDALE FEMALES

The entries in the female classes were not so numerin each and every succeeding class there was strong competition. Mr. Neil Smith, of Brampton, made the there was more quality. The section for brood mare senior yearling, J. M. Bruce won with Jilt's Lavender. with foal by side had some nice entries. Lady Chattan, owned by J. M. Bruce, was the winner. Walnut, exhibited by Rye & Sons, was second, under eighteen months, brought out four, entries, while Melada, shown by T. Wibray, stood third. The Lyall was first with Scotch Goods, an animal of katchewan competed with those from Alberta for foal prize went to Rye & Sons for first and second, beefy type. R. W. Caswell was second with Star honors. The main exhibitors in Clydesdales were: while F. Ranuf, Fort Saskatchewan, had the third colt. 50th. Jos. Caswell had third and fourth placing Colquhoun & Beattie, Brandon, Manitoba; Vanstone The class for dry mares brought out some notable in Spicy's Gold Mine and Spicy's Heir. Two entries & Rogers, Wawanesa, Manitoba; W. E. Butler, entries. Salome, owned by Major Langman, a came out in the senior bull calf class. Golden Star, Ingersoll, Ontario; Clark Bros., Gleichen, Alta.; four-year-old mare topped the list. Ben Finlayson a beautiful thick, evenly-fleshed calf, was a good win-Osborne & Scott; Moosomin, Sask.; J. M. Bruce, Lash-landed her here from Scotland, and since landing ner. Rice Sheppard had the second placed animal. burn, Sask.; T. L. Wibray, New Norway, Alta.; Jas. on Canadian soil she has developed well. Queen of For bull calf, under six months, Jos. Rye had the Rye & Sons, Edmonton; Major Langman, Strome, Ashwood, shown by T. A. Wibray, was a popular winner in a blocky calf. J. H. Melick had the Lily McQueen, exhibited by Duncan Clark, second and third placed animals. In the two-year-old class there were but two en-in the class for stallion four years or over had listed tries. Queen Helena, owned by Osborne & Scott, was placed first. R. W. Caswell came second with Throsk Margaret, owned by Major Langman, was favorite with the judge. This horse has size and is the winner in the one-year-old class. Countess Mac- fourth. owned the third prize animal. This horse was owned by Osborne & Scott. Champion Clydesdale J. Caswell was her owner. R. W. Caswell was second Champion Clydesdale mare, Throsk Margaret

Robt. Smith, of Long Lake Farm ; 2, J. J. Richards,

CATTLE

No feature of the exhibition was of greater conse-quence than the cattle exhibit. Not only the show-ing of dairy cattle, which, in Alberta, is an assured success, but beef cattle were represented by the most important beef breeds. The men who made the awards were : J. Hunter, of Edmonton, who judged the beef breeds, and A. W. MacIntyre, of Newing-

SHORTHORNS

The Shorthorn cattle were well represented. Many fine animals competed for honors. The rulings of the judge did not find favor with everyone, yet that would be almost an impossibility. However, a judging at a fair such as this, if he does not make the awards in keeping with the breed standards, must look for a certain amount of censure. It is one thing to make an award from a butcher's standpoint, and a quite different thing to take into consideration the breed characteristics. In the Shorthorn classes should we venture to offer any criticism, we should say that the low-set, blocky type was some-times lost sight of. The exhibitors of Shorthorns were : C. F. Lyall, Strome, Alta. ; R. W. Caswell, Saskatoon ; Jos. Caswell, Saskatoon ; J. M. Bruce, Lashburn, Sask. ; J. H. Melick, Edmonton ; Jos. Geo. Jaques, owner of the Suffolk Horse Ranch, at Rye & Sons, Edmonton, and Rice Sheppard, Strath-

In the aged bull class there were four entries. Iron Duke, owned by J. M. Bruce, came first. J Caswell was second with Spicy's Wonder, a blocky low-set bull, but he did not possess the smoothness of merit. Rendlessham Snip, also his entry, stood alone in the two-year-old class. There was only one female entry in the Suffolk breed. This was Sophia, shown by Geo. Jaques. bull was deserving of a higher placing, as he had con-siderable quality combined with his size.

In the two-year-old class, R. W. Caswell stood Jos. Rye was second with Spicy's Champion, and Rice Sheppard, third with Sunny Alberta. Bull,

john, was fifth. Tiptop, a Vanstone & Roger entry, won out in the two-year-old class. This is a large colt. Sir Norton, shown by J. Clark, was second. He is a good colt, perhaps deserving of better favor. Gallant Sovereign, excellent showing of Standardbreds and roadsters. Melick, second, and R. W. Caswell, third. Herd and the honors were well divided among the local men. There was also a good showing of Thorough-won by J. Clark, was second. He is a good colt, perhaps deserving of better favor. Gallant Sovereign, excellent showing of Standardbreds and roadsters. Melick, second, and R. W. Caswell, third. Herd bull and three females, owned by exhibitor, was won by C. F. Lyall. Second went to R. W. Caswell, the most consequence to the ringside spectator. J. M. to J. M. Bruce on Iron Duke, the winner in the aged stallion class. Devondale, shown by an Ed-R. W. Caswell was third with Jilt Stamford. Bull monton syndicate, stood second, while Woodland's Scott were the owners, Baron Moosomin and Baron Fleming, a pair of good colts, both possessing much fully. PERCHERONS An Alberta show is usually marked by its showing An Alberta show is usually marked by its showing

An Alberta show is usually marked by its showing Brood mare with foal by side or in foal-1, E. C.

Females.-Some six entries entered the ring Trout Creek Missie, owned by J. M. Bruce, came fourth. The three-year-old class contained two The entries. Lyall again came first with Village Blossom, a cow with much quality and much substance. Caswell was second with Saskatcon 43rd. Bertie's Heroine topped the list in the two-year-old class. with Carrie ; J. H. Melick, third. In the senior yearling class R. W. Caswell won first and second on ady Empress and Sylvan Star 1st. Melick and Rye owned the third and fourth animals.

R. W. Caswell again had the first and second animals in the junior yearling class. Village Vanity, a thick, smooth heifer, was at the tcp with Vanity 13th, a smooth red, her second. J. H. Melick came third with Snowball, and Lyall, fourth, with Rosedale 2nd.

In the senior heifer class, Lyall had first and

(Continued on page 1284)

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3.75

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4.00

3.35

7.00

6.75

315

220

1207

1227

1059

989

867

990

861

875

1055

1125

1261

1378

1140

1030

1037

1075

1051

1070

1175

800

1255

1050

1097

915

140

205

264

234

130

200

268

500

80

100

170

104

144

161

171

176

184

155

71

9c.

The week was a rather quiet one in grain, live stock and farm products. Prices show little change. Grain was on the down grade most of the week, and October the outlook does not indicate much change, either up December or down. It is probable that wheat will remain near its present level for some time. Live-stock values show some improvement in Western Markets. Eastern Canada markets, also, are up. American and old country values about last week's basis. GRAIN

Wheat markets opened weak and did not improve October opened at practically the preceding Saturday's close. Frost predictions sent values up a cent on Tuesday, but the following day a portion of the advance was lost. Low temperatures at a number of points caused an upward movement on Thursday, with weaker markets for the remainder of the week. WORLD'S SHIPMENTS

Shrament figures for the previous week showed nearly a two-million bushel increase, made chiefly by langer exports from Russia and the Danube country and .. from India. Wheat shipments totalled 12,880,000, as against 11,120,000 the previous week and 10,112,000 last year. Figures are as follows: Previous Last Last . flie riliges week year week 1,536,000 American 1,536,000 4,752,000 3,376,000 Russian' 2,952,000 1,664,000 3.221.000 Danubian 1,656,000 1,208,000 1,016,000 Indian ... Argentine Australian 1,160,000 1,528,000 560,000 632,000 304,000 88,000 64,000- May Chili, N. Africa 55,000

Total 17. . . 12,940,000 11,120,000 10,112,000 September . Wheat on passage 35,320,000, last week 35,440,000, December ... last year 30,376,000 bushels.

VISIBLE SUPPLY There was a further decrease in the quantity of September . wheat in store in Canada. Total wheat in store, Fort December ... William and Port Arthur, was 2,033,514.40, as Duluth against 2,528,200 last week, and 242,279.10 last year, September . and 609,363.30 last week in last year. Total ship- December ... ments for the week were 756,414, last year 384,367. May Previous Last Last

	mook	week	vear
MT/h == t		3.721.327	823,438
Wheat		6,767,707	1.198.000
Oats	A	828,855	136,831
Barley American			
Wheat	22,362,000	18,582,000	8,583,000
Oats	8,025,000	4,428,000	3,413,000
0	0 672 000	2 018 000	8 583 000

2,673,000 3,018,000 8,583,000 Corn WESTERN CROP CONDITIONS Estimates of the Western wheat crop continue to vary considerably. Elsewhere in this issue we pub-

lish the estimate of the Saskatchewan government. The governments of the other two provinces have not yet issued any statemet on the crops of 1910. little change. The Free Press crop reporters estimate the outturn for the three provinces as follows :

A TES OND	Wheat.	Oats.	
Manitoba	28,660,606	28,361,890	
Saskatchewan •	65,250,000	63,090,000	
Alberta, Spring	5,370,013		
Alberta, Winter	1,953,784	16,849,200	

101 236 413 108.301.090

Barley.

6.6 CLOSING OPTIONS 49 5:11 4.4 4.6 Wheat-Mon. Tues. Wed. Thurs. Fri. Sat. 35 Cattle 1033 1031 1037 103 102 1037 3 Cattle 1011 102 101 1001 101 1007 Steers and Cattle 1061 106 106 1061 1.06 19 Oats-383 6.6 391 57 381 384 397 394 October., 6.6 27 38 37 381 38 December 371 6.6 22 411 $41\frac{1}{2}$ May 413 .405 413 4.4 21 Flax 4.6 14 214 218 218 212, 214 215 9 CASH PRICES 6.6 16 Wheat---6.6 1041 106 · 1061 1041 105 105 No.:1 Nor. 26 Steers 1031 ·103 101 103 103 No. 2 Nor. . 101 2 100 100 No. 3 Nor. 101 991 **99**¹ 101 20Cows oats-371 373 371 No. 2 white 37 38 373 6.6 25 Flaxme 4.4 No. 1 N. War , 220 221 220 220 4.4 The eash prices given above are for new wheat. 6.0 Heifers LIVERPOOL 1214 121 No. 1 Nor. 1211 1217 1211 $121\frac{1}{6}$ No. 2 Nor. 119 1194 **Bulls** 5 No. 3 Nor. 114 1151 1157 1151 115 1151 1.6 108 107 108 109 108 108 October ... 3 109ł 109 109 109 109 Stag 3,448,000 December . . 108ł 109⁷ 1101 110 1101 110 109 3,312,000 May 3 Calves 15 **AMERICAN OPTIONS** 6.6 85 Chicago-904,000 September . 987 100 28 993 993 99 103 103 103 104 3 December.. 103 $104\frac{1}{8}$ 1 6.6 1077 1087 108ł 108 108¹/₂ 109 6.6 20 Minneapolis-1097 1111 108 1101 109 110 1 112 111 1111 112 113 110 4.4 2 114 1154 115 116 1167 1174 May ... Sheep 5 New York 18 1063 1067 107 1063 107 106 23 Ewes 1097 109 1101 111 1103 1107 35 4.4 8 1127 114 113 1123 1134 1111 1127 1124 1133 113 115 111 6.6 40 1161 1151 1167 $116\frac{7}{8}$ 118 114 Bucks 2 DULUTH FLAX 249 $247\frac{1}{2}$ 249 152 Lambs 245 247 $245\frac{1}{2}$ September . 438 October... 235 235 $\mathbf{28}$ 233239 $237\frac{1}{2}$ $238\frac{1}{2}$ LIVESTOCK TORONTO

RKET ~

831 week were lighter than the week previous and prices to \$6.25; export bulls, \$4.50 to \$5.25; butcher cattle, 000 somewhat stronger. At Winnipeg, good stock of all \$4.75 to \$6.50; cows, \$3.50 to \$5.50; bulls, \$2.00 to kinds were in active demand and a better tone to \$4.50; calves, \$3.50 to \$8.00; feeders, \$4.70 to \$5.50; selling. Hogs are up a quarter. At Toronto, good stockers, \$3.00 to \$4.50; ewes, \$4.00 to \$4.75; lambs, .000 stock is selling at advanced prices. A good deal of \$6.50 to \$7.00; hogs, fed and watered, \$8.75; off cars, Western stock is being sent East by Winnipeg dealers \$9.00. and is finding ready sale. British markets are about on par with last week. American markets show

as follows:

The supply of sale cattle was comparatively small, is quoted at $16\frac{1}{4}$ c. to $16\frac{1}{2}$ c. 657,520 1,752 head. The balance were exports and mixed 266,000 butchers' and stockers' billed through to eastern points. The demand for anything desirable was 2,207,250 keen and all the offerings changed hands on short \$4.75 to \$7.15; cows, \$2.50 to \$5.75; heifers. \$4.00 notice after arrival. The market was on a 10 to 15 to \$6.75 ; bulls, \$4.50 to \$5.50 ; calves, \$4.00 to \$9.00 ; cent higher basis with the possible exception of ex- feeders, \$4.75 to \$5.70; stockers, \$3.00 to \$4.75 porters. Best cattle on sale this week sold around hogs, \$8.50 to \$8.90.

Receipts at the leading Canadian markets last Export steers, \$5.50 to \$6.85; export heifers, \$5.75

BRITISH

London cables quote ranchers at 111c. to 121c.; Rice & Whaley, livestock commission dealers, report Canadian steers, 15c. to 15½c. At Liverpool, ranchers sold at 111c. to 12c.; Canadian steers, 131c. to 14c;. Cattle receipts for the week to date, 2,712 head. United States steers, 133c. to 144c. Canadian bacon

CHICAGO

Steers, \$4.75 to \$8.50; Western range cattle,

1276

Total

\$5.00 to \$5.25, delivered, fed and watered. Medium The flax yield is estimated, Manitoba, 4,100,200; to good mixed butcher stock sold from \$3.75 to Saskatchewan, 3,537,000 ; Manitoba, 91,950. Other estimates vary above and below this. It is generally believed, that the three Western provinces have vance of heaped a wheat crop of between 100,000,000 and 120,000,000 bushels, which, considering the in-creased acreage, is considerably below the figures of Best ex 1909.

UNITED STATES GRAIN .

Wheat is being delivered in heavy quantities in American primary markets. Daily deliveries on the average exceed those of a year ago, indicating that the American farmer for some reason is parting with his wheat more readily than he did a year ago. Buyers are taking the grain steadily.

FOREIGN CONDITIONS

European reports are favorable. The situation in Russia, shows no appreciable change. Weather, generally, is good Russian new wheat is improv-ing in quantity arriving at ports. Markets are some-what easier. The German official reports up to August 15 show condition of winter wheat 78, as against 85, July 15, and 74 August 15, 1909; spring wheat 74 76 and 80, respectively. Conditions in The hog supply was extremely light, 400 head, wheat, 74 76 and 80, respectively. Conditions in France are more favorable. Harvesting is proceeding satisfactorily, but the yield shows no im-provement. In Southeastern Europe threshing is about finished, and arrivals at ports and primary markets show heavy increases. The estimate of the wheat crop of Italy is 132,800,000 bushels, as against 148.000,000 bushels in 1909. Nothing has come through regarding crops in Argentina or Australia. The visible wheat supply in Europe last week was 69,158,000 bushels, an increase of 2,538,000 bushels over the preceding week. Last year the visible

was 46,500,000 bushels.

Quotations are as follows, fed and watered: 4.25 to 5.15 "No. 2 dairy Best export heifers4.25 to5.15"No. 2 dairy16 to 17c.Best butcher steers4.75 to5.25Cheese,Eastern121 to 131c.Fair to good butcher steers and heifers3.90 to4.35"Manitoba make10 to 101c.

 Best fat cows
 3.85 to
 4.40 Eggs, fresh, subject to candling
 10 to 10½c.

 Fair to good cows
 3.35 to
 3.75 Live poultry. turkeys per lb
 10 to 10½c.

Best fat cows3.85 to4.40 Eggs, tresh, subject to candingFair to good cows3.35 to3.75 Live poultry, turkeys, per lb.Common cows2.00 to2.75 "Best bulls3.25 to3.75 "Common bulls2.50 toGood to best feeding steers, 1,000 lbs.4.00 to4.00 to4.50 Meats. cured ham, per lb.2002.00 to2.50 to3.00 "2.50 to3.00 "3.50 to3.00 "3.50 to3.00 "3.50 to3.00 "3.50 to3.00 to3.50 to</t 4.00 to 4.50 Meats, cured ham, per lb. .. Good to best feeding steers, 900 to 2.50 to 3.00 and prices were from 25 to 50 cents higher than a week ago. The bulk of the offering sold at \$8.50, bright for the near future.

251 Medium Hogs

PRODUCE MARKETS

breakfast bacon, per lb. 201c. dry, salted sides, per lb. 16c. beef, hind quarters, per lb. 10c. beef, front quarter, per lb. 61c. veal, per lb... Sheep and lamb receipts, 342. Market active, Unwashed woolUnwashed wool5 to foc.with the bulk of the sheep selling around \$5.50, and
lambs from \$6.00 to \$7.00.
Calves sold from \$4.50 to \$5.00, for the best grades,
and the common kind from 4 cents down.Feed, bran, per ton\$19.00"and the common kind from 4 cents down." chopped barley, per ton23.00" the common kind from 4 cents down." chopped oats, per ton26.00



FUJI WICKO SAFEIYA



People And Things

ed 1836

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to think that it was their own !

and had an enthusiastic reception. The play much fairer system will be compulsory.

deals with the old legend of the Pied Piper of Hamelin. Mr. Benson played the title role and Miss Marion Terry the part of Veronika. At the close the authoress was presented with the £300 cheque enclosed in a silver casket. * * >

A notable event has occurred in India. The chief of Sangli, a considerable town in southern India, aged twenty-one, has married Miss Joshi, aged eighteen, daughter of a lawyer. The almost unparalleled thing in this event in Hindu society is that he is so old, a man grown, and she a woman grown. To wait so long to be wedded is thought a disgrace.

New Copyright Law

of little advantage to the author, artist or mu- only one where there should have been two-The English town of Newcastle-under-Lyme sician. In 1908, at Berlin, at a representative the father is called in as a last resort to "make has found and received its long lost charter. gathering of those interested in all the civilized them behave." His home coming at night It was granted by Edward III. in 1328. Between nations it was decided to aim at the international- is rarely referred to except as a threatened 1342 and 1372, so British Museum experts say, ization of a uniform copyright law. As a first punisher of bad conduct, and the children grow it was borrowed by the town of Preston and the step towards this desirable aim a bill has been to regard as an ogre the man who would have authorities forgot to restore it. The corporation introduced into the British parliament to es- been their true friend and pal if he had only a of Preston is now going to return the charter and tablish a uniform copyright law throughout the chance. One of the saddest sights is to see a apologize for the thoughtlessness of its prede-British Empire. At present the author of works family plan their good times at home on the cessors in keeping the precious document about of literature or art gets a claim at the most on nights "father will be away." 600 years. The Prestonites had actually come the sale of the product of his brains for seven Later on father's place as a provider becomes

from the date of publication. The new law youth he is the "payer of the bills." He is not "The Piper," by Josephine Preston Peabody would extend the copyright for life and for fifty supposed to resent extravagance or to look (Mrs. Lionel Marks), of Cambridge, Massachusetts years after death, so that the author can leave for gratitude. The letters home are written the play that won the £300 prize offered by the to his children and grandchildren the benefit for mother's special benefit, unless money is governors of the Shakespeare Memorial Associa- of his life's toil as the man can who has invented wanted. A college girl said lately that she tion, Stratford-on-Avon, was produced recently a machine. The present piracy of books and didn't write to her father once a year unless she at the Memorial Theatre, Stratford-on-Avon, plays between countries will be abolished and a wanted something. When boys and girls get off in

and training of the baby. "He will be too harsh and severe " is the plea. Then, later, The question of copyright has been a vexed when the growing youngsters prove too much for The question of copyright has been a verse when the growing her discipline—they have had the attention of one for years, the laws at present in force being her discipline—they have had the attention of

> years only after his death, or for forty-two years more apparent, and to high school and college homes of their own he is allowed to read the letters

they send to mother and to admire the Christmas presents they send her.

It is pitiful to see the old father, left wifeless, passing his last years in the house of son or daughter. He has food and clothes and a comfortable room, but because he and his children were not companions in their youth, they cannot be now when he has turned back to the childhood of old age. He is either treated like a guest, and is embarrassed with attentions, or else is neglected and miserable. That is the

The Little Wind

The little wind a gossip is, Her skirts are full of mysteries, She lingered by my casement and she whispered to the rose. And all the silly butterflies Are trying to look old and wise,

And blink their goggle eyes at me like self-admiring beaux !

The little wind a wanton is, She has no sense of decencies, She never keeps a secret, but tells everything she knows.

She pauses to caress you, Her little fingers press you,

The little wind a traitor is, O, yield not to her witcheries But keep your heart well hidden when you feel her coming near. She is like velvet on your face, Her kisses have a piercing grace, And then she runs and tells the birds what you have let her hear.

The little wind a gossip is, Her skirts are full of mysteries, She stopped and kissed me on her way and learned what I hold dear.

And all the birds are singing it, And all the bees are bringing it. And in the heart of every flower it's blooming, plain and clear ! -N. Y. Independent.

But they have advanced ideas. Miss Joshi's father and mother have been seen to walk the streets together, and Miss Joshi has band's companion and adviser.

* * *

court, that a person of weak intellect, or even a father to fill a two-page tract. Why is it ? certified idiot, if not otherwise legally disqualified, is entitled to his electoral rights. * * *

Cathedral.

And when she's learned your secret she tells it as she goes.

Neglected Fathers

studied a year in Elphinstone College. Thus class, do not get a fair show. A few days ago I on heavily is about all he gets while his father reform progresses and some have intelligence came across a book whose contents were wholly lives. He needs more than that. He needs enough to know that a wife should be her hus- compiled from what poets and great men generally the sympathy with a boy's peculiar joys and have said about mothers. It was not a small sorrows that the best of mothers cannot give a book by any means and the mothers deserved understandingly as the father can. He need Can an idiot vote? The French Court of Ap- every syllable of it. But ransack your memory the advice experience can give to fit him for peal has just decided this question in the affirma- and your scrap book and Bartlett's Quotations manhood. The man who isn't his boy's chum tive, ruling, contrary to the judgment of a lower and you won't find enough sentiments about and confidant isn't a good father-not the best

.There are men, but their number is remarkably small, who are not capable of handling training is sufficient to carry them through any the duties of fatherhood, and they fail because phase of life they may be called upon to face It is nearly what is called "The record" for they cannot adapt themselves to the needs and It may be, but the girl who isn't real friends with curiosities in religion that the Esperanto Congress joys of childhood. They aren't fitted for the her father is missing a delight she can never get to meet in Washington next week, has provided part, no matter how anxious they are to play it in any other friendship. She will be a better for two religious services on Sunday, to be con- well. But in very many homes, from the time friend to the boys she knows, a better wife to ducted in the artificial language which amuses the children are born till they leave for homes of her husband, even a better daughter to her people who imagine they can displace the lan- their own, the father's relation is restricted per- mother, if she and her father are on terms of guages which have grown under Darwinian natur- ceptibly. The mother, perhaps naturally enough, loving understanding. She will gain a broader selection. One of these services is in St. Paul's feels that as she has suffered most the child be- mind, a deeper sense of humor, and a finer out-Episcopal Church and the other in St. Patrick's longs most to her, and she almost resents any look on life, and be invisibly protected from a share the father might wish to take in the care thousand dangers.

father's side.

There is loss in it for the children, too, that can never be made up to them.

"The boy needs a man's hand " is often heard when the widowed mother is trying to bring up I am constrained to believe that fathers, as a her brood alone. Often his father's hand laid father, anyway.

As for girls, a popular belief is that mother's

1278



CHOSEN FOR SPECIAL WORK

Who knoweth whether thou art come to the kingdom for such a time as this?-Esther iv.: 14.

"His appointment must be blessing, For the end from the beginning

Open to His. vision lies.

is not once mentioned in it," is a very dition of immortality, a meeting! 'How man does not believe in God, and prov- knows. ing that statement by the fact that he

it. The Divine Sovereignty is plainly asserted many times in this beautiful choose, it is foolish to say that we are Book of Esther, and it is stated very plainly in the text. Consider the cir- Him. cumstances. The Jews were captives in thought itself of little consequence; but the land, and yet one of them-a beauti- it grew and multiplied until the wonderful young girl—had been made queen by ful heart and lungs, the eyes and ears, Ahasuerus. Then her kinsman, Morde- and all the other mysterious parts of a cai, by daringly refusing to cringe before the wicked favorite, Haman, had developed until it became a mighty precipitated the doom which threatened force-pump, sending a red river of life his people. Haman took advantage of through the arteries at the rate of a foot his position to satisfy his private a second, all through life, carrying each vengeance, and letters were sent into year "not less than three thousand all the hundred and twenty-seven pounds' weight of nutritive material to Provinces "to destroy, to kill, and to the various tissues, and three thousand cause to perish, all jews, both young pounds' weight of wasted material from and old, little children and women, in the tissues. "-the day having been chosen one day by lot. By God's good providence, the How is it that each part of the body relot was cast for a day twelve months ceives exactly what it needs, without distant. But who could save the na- anyone but God directing the cargo tion? says that the opportunity and privilege is hers. is afraid to speak, then deliverance will things?" and He is constantly saying perienced teachers could save the bearise from another place, but in that that to us in these days when the power case she and her father's house shall be of invisible microbes is being revealed worry if they could destroyed. And "who knoweth," he more and more. Here is another quo-tells her, "whether thou are come to the tation from "The Romance of Medi-kingdom for such a time as this?" Is cine": not this a declaration of implicit trust in "The cholera bacillus, for instance, God? God will save His people, and can duplicate every twenty minutes, has already shown both foreknowledge and might thus in one day become tion where she—a young and timid girl, weight, according to the calculations of

protoplasm, so frail that a little sunshine or a trace of carbolic will slay them, meet, and, lo, in the meeting a miracle is wrought: they blend into one and the one cell multiplies in a mysterious way, and becomes a man with an Though it may come in disguise, immortal soul. Two other cells, likewise microscopic particles of protoplasm, made of exactly the same material, meet 'The objection sometimes made to the and blend, and, lo, a hily. The one Book of Esther, that "the Name of God condition of development, the one concondition of development, the one conshallow one. It is like saying that a the meeting comes to mean this no one

If God can take a tiny, invisible speck lives his faith instead of talking about of material, and gradually change it into a man or a lily, or anything else He may too insignificant to be considered by Him. That tiny "cell" might have and all the other mysterious parts of a living body appeared. A little red point

Where does the power come from? Mordecai turns to Esther and which is flying along this swift river?

God said to the prophet Zechariah: Salvation will come; if she "Who hath despised the day of small

accent charm—can win the king and days, at this rate, there would be a mass

terest to see how you are holding it. ing one. If you are growing weary, and want to be relieved; just think how you would that puzzle the new teacher: feel if His messenger came to-day and hands, your testing-time is over. Would you not wish that you had put more enthusiasm into it, more con- quarrelling. secration, more earnestness of purpose? Would you not plead for a little more work as the watching Master wished? We don't know how God is working our lives into His eternal plans-do the fighting phagocytes know that they are saving the life of a much-needed mother or father when they destroy a deadly microbe? They do their duty in a dark and narrow sphere, and God does great joyed both. It is wiser to rejoice in the happiness of the present, trusting God to unfold new and greater joys in the future. Always be on the lookout for

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Call Anthr

FARMER'S ADVOCATE AND HOME JOURNAL WINNIPEG

"God's plans like lilies pure and white unfold;

children.

gladness-our Father loves to give good

- We must not tear the close-shut leaves
- apart, Time will reveal the calyxes of gold. And if, through patient toil, we reach

the land Where the tired feet, with sandals a reaction. loosed, may rest,

Where we shall clearly see and under- must. stand,

I think that we will say, 'God knew the best.

DORA FARNCOMB.

TEACHER, PARENT AND PUPIL

During the last year we have had a number of letters from ratepayers pointing out defects in our school systems friendly fashion, and in some cases offering solutions of the problems. But, except in defending themselves against attack, there has been little or nothing from teachers themselves. And yet they are the very people to shed most light on the difficulties. The exginner from many a heartache and impressed on me, no time was wasted worry if they could and would pass in making a working plan of it. I found along what they have found out in the that it was going to mean keepirg the

VOCATE there is a column of space- rather than for results might as well sometimes more than that-to spare, stop reading right here. and it seems as if it could be put to good everybody interested in schools, es- for each day, alternating as far as joswith no weapons but beauty and in-Cohn, of about 7,366 tons. In a few pecially for those who can help, even sible written and oral work on it.

Founded '8 6

post, and is watching with intense in- question is as helpful, often, as answer-

and a second second

Here are a few phases of school life

How to sustain interest when there said, "Your task is taken out of your are only one or two pupils in a class. How to deal with late pupils.

How to treat dishonesty, bullying,

When is whipping necessary?

Is a teacher under obligation to visit time, so that you could do the special and cultivate the acquaintance of the whole section?

New teacher, write and tell us what worries you most in that school.

IN PLACE OF DISCIPLINE

Are teachers like poets-born to the profession? I'm sure I do not know, but it was brought home to me forcibly things through them. So He can do after wrestling with an ungraded school things through them. So fie can do after wresting with an ungraded school great things through us, if we simply of sixty foreign-born, that I wasn't a born disciplinarian. That commanding mien and awe-inspiring presence was totally lacking in me. It was a mistigned to the born disciplinarian and the born disciplinarian are totally lacking in me. pull open the bud, you simply ruin both fortune rather than a fault, but the rebud and rose, when you might have en- sults were equally disastrous. When Kismet transferred me to a class of boys ranging in numbers from 35 to 55, and in years from precocious nine to hopeless sixteen, it was time, since there was no disciplinary hardness in my comthings to His trustful and obedient position, to look for a substitutesomething "just as good." Within a week or two I made several

discoveries about boys that helped:

Nagging, scolding and whipping as stimulants to good school work have just about as much value as other stimulants-they are short-lived, quickly lose their power and inevitably produce

Boys will not work well unless they

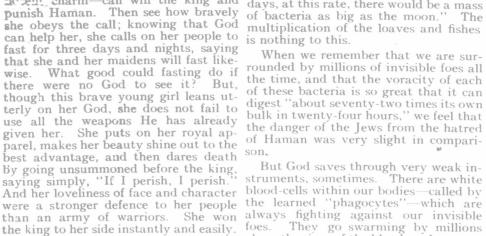
Boys who are not at work are bound to be in mischief.

These mischievous antics are not malice but just pure BOY.

The remedy then? Keep them busy, busy, busy, and there will be no need for discipline as a feature apart from giving instruction. Some boys can be kept in order by judicious praise, some by scolding, sarcasm or fear of punishment; but what will prove effective with one pupil fails entirely with another, and the teacher has to exhaust herself and waste her time by bringing all these methods into play every day. The busy method is the only rule that will apply to all.

The reasonableness of the idea once teacher busy as well as the boys, and On this page of the FARMER'S AD- any teacher looking for an easy time

As a beginning I built a time-table use this fall as a meeting-place for that was not too crowded with subjects The next precaution was to be sure that ro The letter on school discipline given more written work was assigned for below makes a good beginning, and any lesson than could be well done by



person God has placed in a special porealized that He has placed each of us matter of Esther, perhaps we might awake to a sense of the importance of our work.

our apparent insignificance, for we know out on a lonely farm. Great results may and fasting of her people.

come from very small beginnings. I If God can give to each of these tinv come from very small beginnings. 1 If God can give or each special have before me a wonderful book, called soldiers within our bodies its special "The Romance of Medicine." Let us work, is it likely that He has forgotten one of His own dear children? Be very read a few sentences.

"Two cells, microscopic particles of sure that He has appointed you your

When we remember that we are surrounded by millions of invisible foes all the time, and that the voracity of each of these bacteria is so great that it can digest "about seventy-two times its own bulk in twenty-four hours," we feel that the danger of the Jews from the hatred of Haman was very slight in compari-

But God saves through very weak in-struments, sometimes. There are white blood-cells within our bodies-called by than an army of warriors. She won always fighting against our invisible the king to her side instantly and easily. foes. They go swarming by millions Do you think Esther is the only along the river of the blood, and seem to be free to go where they are needed, sition for special work? If we only even slipping like ghosts through the walls of the blood-vessels and wandering with as careful attention to our capacity about in the tissues. So we can walk for our position as He showed in the serenely in the midst of danger, because God has commissioned a mighty army of very tiny and weak soldiers to fight our battles for us. It is their business,

It is foolish to shelter ourselves behind and they are doing it well. But it is our business to provide them with plenty that in God's sight a kingly life is one of fresh air and other wholesome things. that is nobly lived, though it may be Esther was willing to do her part, but passed in a carpenter's shop, or lived she had to be supported by the prayer

there are a hundred other topics that the average pupil in the period given up somebody knows something about, to it. To judge just the right amount Let us hear from teachers, parents and required some careful observation ard pupils, and remember that asking a good

(Continued on page 12:1)



A TYPICAL EASTERN CANADIAN STREET

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The Ingle Nookers and Chatterers,-Will you allow another to join your FARMER'S ADVOCATE AND HOME, JOURNAL, WINNIPEG

The Ingle Nook

A WORD IN KINDNESS

Dear young Girls,-Watch yourselves. See to it that no passions lurk in your bosom which you would be unwilling to have legible in your face. Give place to nothing in your heart which may betray you into what you will remember with regret and shame in future years.

When I was a young girl there was a foster-child in our home. I did not wish to see her dressed and educated to stand beside me as my equal or superior. The fear of God was enough before my eves so that I would not use my influence to have her sent away, but I would go away myself and leave the responsibility to others. So I left the sweet ministries which should have been mine in my home. My father was you want. Come again.-D. D.) taken from me in my absence and in various ways far-reaching for sorrow was my choice at this turning-point in my life.

a few years later, in the memory! I mistaken, please put it down to lack or restaurant. No wonder the waiters only through their letters. made restitution of what could be re- of memory. It is difficult to define the on tables are troubled and sometimes into utmost beauty a young life to to people in every situation. stand beside my own.

envy or jealousy stir within your breast? in any line of life leads to unsuccessful for farmers. Notably they do not ex- ruination. Crush it, at whatever cost!

"Whosoever will save his life To preserve order, the first item to no farmer can be so, unless both are Old Ontario with you. flicts. shall lose it, and whosoever will lose be considered is the putting of them united, for themselves and their helpers his life, for My sake and the Gospels, there. This causes inconvenience and in the means to obtain order. the same shall find it

A REPENTANT ONE.

the seeds in from tomatoes. Cook one hour slowly

Cold Ripe Tomato Catsup .- One peck ripe tomatoes chopped fine, salt a little and drain six hours. Add onehalf cup salt, one cup sugar, one-half cup white whole mustard seed, one tablespoonful celery seed or chop two bunches of celery fine, three small onions chopped fine, one tablespoonful black pepper, one teaspoonful cinnamon, three pints of cider vinegar, and onequarter teaspoonful of cayenne pepper. Put in jug but need not seal up with good cork

(Glad to have you as a member. The recipes so kindly sent will be sure to be of use to many. I hope someone can, in turn, supply you with the one

LEARN ORDER

Dear Editor,-Order is heaven's first law.

results. To leave the greater things of Parents, try to know what is passing this world out of the question at present, is, to open till from half an hour to an the train, but lived not very far from

much thought, and sometimes much work

1111

TOWN OF SCOTT, SASKATCHEWAN-A GOOD PRAIRIE VIEW IN THE BACKGROUND

WHO CAN HELP?

of some assistance will come to you for affairs in

this in mind.

bachelor homesteader values his wife I am sending Herberta a simple sunwhen he gets her, because he has ex- bonnet pattern, and hope it will fill perienced the want of a woman's com- her requirements. I find the Ingle Nook pany and work. He feels that he can suggestions so helpful, also the patterns afford to buy the necessary machinery for girls, as I have two girls twelve and

Mechanics, men and women in of- badly and hope it may come soon. fices, merchants and all who make their work for themselves it is no new thing. year.

girl in this respect. A great many burg. Yours with best wishes. farmers' homes have not stated meal times, the children straggle along to

between that and eight.

pect the meeting, sale or whatever it

Sask. RESIDENT.

BEST WISHES FOR A GOOD CROP Dear Dame Durden,-I have not visited the Nook for quite a while; I think it was last year near Thanksgiving Day. I enjoy the letters so much, but I have no help to send, only the pattern of the sunbonnet for Herberta. My husband and I are enjoying prairie life finely. I rather like it, although we are away from the railroad. My fowl have done fine this year. My garden is good, so far, and the only flower plants I have started are quite a few pansies. We are just getting our front flower beds dug up and placed for next year. I think it takes a lot of work and thinking to get a new home laid out well and in the most satisfactory way. The subject of As we are writing for farmers and dress is very interesting to me. I like Man. farmers' homes, we will try to keep to be neat and clean. I wear as a rule

for working, dark navy blue, finished Begin at the house. An untidy house or piped with white or a little insertion, circle? I have been a silent reader for almost five years and now being in need To bring about an orderly state of This is made up for my summer dress To bring about an orderly state of This is made up for my summer dress To bring about an orderly state of This is made up for my summer dress to bring about an orderly state of This is made up for my summer dress to bring about an orderly state of This is made up for my summer dress to bring about an orderly state of This is made up for my summer dress to bring about an orderly state of This is made up for my summer dress to bring about an orderly state of This is made up for my summer dress to bring about an orderly state of the bring about an orderly state of the bring dark green in the bri house means to include order and I have been wearing winter. I wear white and a very light blue of some print for my aprons. Mv husband simply hates dark aprons. He thinks they look as though one were washing pots and pans all the time. Well, we have had a very dry summer out here and crops will only be

Western land, on the work and standing pluck up courage encugh to ask for you of women in the community. The as everyone seemed so busy

the difference in customs between town and city people, and farmers. to corn grown from seed sent to me from my "Old Ontario Home." We need rain

I am a retired school teacher, too, living in cities, are obliged to observe Dame Durden, having taught for two time and punctuality. Their boys and years before I was married. Have you girls are accustomed to the regular ever been in Rodney, Ont.? I used to meal times, and when they go out to spend part of my vacation there each Some time later, if you should In comparison with farmers' families care to know, I'll tell you how we make they are far above the country boy and the winter pass pleasantly in our little

(I surely am disappointed that you their breakfast; the dinner perhaps failed to ask for me when in THE ADVOwaits the convenience of the men for CATE office. It is partly the business turning out their teams; the tea is some- of some of us and very much our pleastimes at five o'clock, often any time ure to see those of our readers who are interested enough to come to the build-Just take notice any day you may be ing. Please be more courageous next I think we are indebted to the in the nearest town when farmers are time. It is always pleasant for me to Oh, the humiliation that was mine poet, Milton, for this truism. If I am obliged to take their noon meal at hotel meet any of the friends whom I know

Dear young girl, does the serpent of the opposite to confusion. Confusion The same obtains at any public meeting it to her to keep her complexion from

in the minds of your children, and help we will endeavor to deal with what are them to be overcomers in their con- considered the small things.

Latest Fashions **From Our**

Price ten cents for each pattern. Order by number, giving size, name and address.

Allow from ten days to two weeks to fill the order.

Send to fashion department Farmer's Advocate, Winnipeg,

for her help, as well as those for his fourteen, and I do my own sewing. farm work. This subject of order brings to notice come to see me this fall I can treat you

1279

DOUBLE-EM.

Did you send that sunbonnet pattern stored, but the time was past for noble word order in a manner to fit all cir- cross! The farmers come along, stop for Herberta to me? If so it must have self-abnegation in helping to mould cumstances and to impart a clear idea on the street and talk about nothing in gone astray on the way. However, particular, and when they have nothing don't be too much distressed, for some-We will speak of order just now as else to do, walk in for their dinner. one else sent a pattern and I forwarded

I've just passed through Rodney on

We very much care to know how you spend the winters pleasantly. It is a problem in small places, and anyone who can shed a ray of light upon it is a public benefactor, so stand by your promise, Double-Em.-D. D.)



of some assistance will come to you to help. My husband is not very strong, and he thinks it would help him if he could get some of the old homemade beer. Can any of the old ladies of the directions how to make the homeway fermine to you to help in household goods, a place for every-thing, and everything put in proper place, as well as insistence in keeping them in that place. If this is a first beer. Can any of the old faults of the circle give me directions how to make it? I would be very thankful to them if they could. I want also to thank the chatterers for the nice recipes they the nice recipes the nice recipes they the nice recipes the nice reci have sent.' I have enjoyed their letters them when required. She could try very much.

of putting up vegetables. I have a green tomato catsup recipe and a cold ripe tomato catsup. You do not cook this last or you do not need to seal it no work either in the house or on the up, only put in a stone jug and put a farm, can be accomplished with regu-good cork in. I will send these to help larity or profit. A woman can find time someone, as I have received help from for rest, and do just as much work in others. I wonder if there is anyone in any given time, by knowing just what the circle that came from the same time she can allow for doing the orcounty in Iowa that I came from. I dinary work about the house, what county in Iowa that I came from. I diffary work about the house, what am going to use the county for my pen-name. Thanking you for the recipe, sewing, allowing for accidents of in-for I know it will be answered, and terruption and delays, as to go along wishing you, Dame Durden, good luck, at haphazard, not planning her routine. and also all the chatterers. POTTAWATTAMIE.

Green Tomato Catsup.-Peel and that they have no resting time. This space to someone else. slice one gallon green tomatoes and sim- should not be. It will shorten lives mer in granite kettle two hours with one and render them so miserable that no pint of vinegar. Then add one cup of comfort can be in the family. Surely sugar mixed with four tablespoonfuls of some way could be managed by the salt, one teaspoonful black pepper, one- woman and the other members of the uarter of teaspoonful cayenne pepper, family so that the wife and mother need one tablespoonful of cinnamon, one not be chained to a treadmill, for it is I haven't thanked you ere this, for your tablespoonful mustard, one-half table- just that. The constant grind leaves promptness in answering my "queries." spoonful ground cloves. If wished one no room for hope or enjoyment. There Not long since I was in THE ADVOCATE 6706 Empire House (an rub through sieve if you do not like is great improvement here in our free office with my husband, but could not Gown, 34 to 42 bust,

and save steps and time in all her arall we farmers' wives will begin to think the other mission to the state of antitice of an household, as to time for meals.

Unless there is a stated time for these.

We know there are many farmers' wives who think, and really with cause,

half-crops this year. Can anyone tell why ducks that are hatched out in June do not do well? Is it right that June ducks will not live They seem to die along at two long? and three weeks.

I might say (it may be too late for this year but it may be all right for the year to follow) if any of the poultry get gopher poison that is put out, the white of an egg is a good remedy, if the fowl are noticed and you think they have poison. I had two lovely goslings get poison that was put out for gophers, but I did not know of a remedy till too late.

I guess I had better close, for if the heat keeps up and no rain we will not " have any crop and I will not feel like writing; my heart will be so sad. With best wishes to the Ingle Nook, I leave

A FRIEND.

A PROMISE

My Dear Dame Durden,-It's a long time since I wrote you, and it's a shame

Pullman Gown, Small 32 or 34, Medium 36 or 38, Large 40 or 42,





6713 Steamer or



6704 Tutter Blouse, 32 to 40 bust,

ne by en up nourt 1 ar d

Western he idwam

FARM BETTER THAN TOWN

1280

Dear Cousin Dorothy,-This is my second letter to your interesting club. did not see the first letter in print so I thought I would write again. We size of a calf. have eight oxen on the farm. I live We are fiv six miles from town, for we moved to is going home to-morrow.

Last night father put the harness on We have four cows milking. One of them came in the other night. Her calf is a nice little thing and its name is John. BLUE BELLS. Man.

FOND OF BOTANY

Dear Cousin Dorothy,-It was with great pleasure that I saw my last letter in print, so I thought I would make a second visit to the club. I expect all the members are off on holidays and don't get time to write, so I will do my best to make this letter what so many of the members have said a letter should be, long and interesting.

read many books. My favorite studies will be chasing me out of the Wigwam. are reading, drawing and all I take up I may say, for they are all very interesting. I like botany especially—it is so pleasant to study. I am very fond of ing. flowers.

since I first began to read the letters. ing cousin.

MARGARET KATE DODDS.

purebred bronze. The gophers are very thick this year. I wonder how many of the Wigs have ever seen an antelope. I saw one this spring. It was about the

We are five miles from our nearest village and two miles from the railroad. the farm just a little while ago. One We came from County Grey, Ontario, of my friends came out to stay a few about four and a half years ago. I do days. She came out last Thursday and not mind living in the West, although I prefer the East. I missed the trees more than anything when I first came the horses and we drove them around here. We have had quite a number of the yard. I like on the farm better than prairie fires around here this spring. town. We have four cows milking. There was a large fire south of town. It burnt out ten townships, also a number of shacks. One man had six horses burned to death. There are a lot of this district.

pigs and one pony. The pony is a little hand. buckskin. She is very quiet. I love to ride horseback, but our pony doesn't go very fast on account of having stiff knees. We girls play baseball at school. I think it is great fun. The boys have has taken the ADVOCATE for many a baseball team.

I am very fond of reading and have long that if I don't close Cousin Dorothy old enough to write one myself. I Sask. SONG-SPARROW (12).

A RABBIT STORY

Dear Cousin Dorothy,-Having been The club has increased wonderfully a constant reader of the club I decided to write again. I passed into the fourth Dear Cousin Dorothy, will you please reader this summer examinations. How let me know in the paper Oriole's ad- many Wigs would rather live in the dress, as I would like to correspond with country than in the city? I would rath-the same? Well, if I don't stop, the er live in the country. I think you have trouble is I never will, so I must say more fun in the country. I have read farewell for this time. I remain a lov- a few books. My favorite books are Black Beauty and The Wide, Wide World.

scrupulous people often pick up chil- A neighbor gave it to us when it was of the crops are burned out, and the dren's names and addresses from papers about two days old. We called him people will have to plow their crops up and send them reading matter that is Jimmie. We kept him in a box for again. Our teacher has left. Her not good. But if you will write your about two weeks. Then we let him run name is Miss H—. We are having a letter to Oriole and put it in a stamped around. He got very tame, for he man teacher, and we never had one unaddressed envelope and send it to would come in the house and lie under before, so we don't know how we will me I will forward it to her. Then she the stove like a cat. One day Limmic like him. Here

We live five miles from the town of this year. There was another fire last to have a school of our own about one mile from us. My sister Ida and I there is a beautiful lake on it, three-passed into the fifth book at summer quarters of a mile long and about half examinations. How many of the Wigs a mile wide. There is a lovely big hill like to read hocks? I do if they are at the with end of it from third like to read books? I do, if they are at the south end of it, from which we interesting. One of my favorite books can see a great stretch of surrounding is "Black Beauty." I think it is grand. country. How many of the Wigs like to bake Well, I think I will draw to a close cakes and pies? I just love to, especially as my letter is getting pretty long. I

light cakes. Why doesn't Western Cowgirl write and tell us more about the ranch? I am very fond of riding horseback. We have an organ and I can play quite a bit on it, but play mostly by ear. I only took seven music lessons, because hope that the waste paper basket is too I had to come away from the place far away for you to easily get there. where I was taking them.

HUMMING-BIRD. Sask. (That town used to be my home, too. -C. D.)

THE THREE B'S

Dear Cousin Dorothy,-I received my button and many thanks for it. I like hay this dry weather. Papa has taken reading the letters of the Western Wig- THE FARMER'S ADVOCATE for years, wam. My father has taken THE FARM- and says that it is the best all-round **BR'S** ADVOCATE for eight years and likes farmer's paper going. it very well. I tried the examinations I hope that I will get the prize for for the fourth class but failed. We have writing, and that Cousin Dorothy (that two horses; four cows and three calves. is you) will publish her dear face. I The names of the calves are Bright, know it must be dear. Best wishes. Beauty and Blossom. The gophers From your cousin. settlers coming this spring, who are have been very scarce around here this taking up homesteads. We have herd summer. I guess I will close with a law now, and father is poundkeeper for riddle: I went to the woods and I got prizes for writing, but if one had been is district. We have eleven head of cattle, three couldn't get it. Ans.—A sliver in my it.—C. D.)

Gull Lake, and we have been going to October and a girl was burnt to death. school there ever since we moved up Dors not that seem terrible, Cousin here. I have three sisters and myself Dorothy? We have not got a school that drive to school with a pony, but here yet but I wish we had. I am in inside of about one month we expect the fourth book.

Papa owns a half-section of land and

will sign myself.

WESTERN COWGAL (13).

MAKING HAY

Alta.

Dear Cousin Dorothy,-This is my first letter to your cozy corner and I

The wheat and oats are burning up now, although it is cooler than it has been for some time past. The grass also, which never has been green, is turning white. The people are all busy around here making roads, and making hay. I think that I would rather make

"TWELVE-YEAR-OLD."

Dear Cousin Dorothy :-- I have read

the letters of the Wigwam for a long

time and enjoyed them very much.

have a very nice home on a ranch five and one-half miles from a town, which

is Vermilion. It is nice on the farm in

the summer time, but I would like a

LOST A GOLD RING

AN ORGAN AT SCHOOL

Rosebush.

Dear Cousin Dorothy :--- My papa baseball team. Dear me! This letter is getting so children's letters, and now I think I am ave been going to school one year. little change, so I am going to Ed-had an examination at the end of monton for a little while. I had a have been going to school one year. une, and I passed into the 1st book. girl friend out staying with me for a few like my teacher very much. We days, and she lost her gold ring and have a new organ at our school. Our strained her finger while staying with teacher plays the organ and we children me. I would like to correspond with like to sing. Well, I will close, and if a girl of my age, twelve. Hetty

my letter escapes the waste basket I Dodds wanted to know what kind of will try again. I am sending a two- life it is out on the prairie. I would cent stamp for a button. Bridget.

A MAN TEACHER

Dear Cousin Dorothy :--- I guess I will sit down and write you a few lines to let (It is a rule of this club not to publish I am going to tell you about a little you know how things are going. We addresses on this page, because un-wild jack rabbit my sisters and I had. are having scorching weather here; most

say it was a very nice life. Some of my favorite books are : Jessica's First Prayer, The Brownies, Through The Looking-glass, Madge's Legacy, A Sunday Trip, Three Firm Friends, The New York Bootblack, The Little People of Japan, and several others. had a very nice teacher before the holidays, and her name was Miss Pbut she has got married since the holidays, and her name is Mrs. B-Dear Cousin Dorothy, I am sending

an envelope and a two-cent stamp and would like to have a button.

Alta



me I will forward it to her.

an interested reader of the Western Wigwam for some time, I now take the opportunity of writing. I think Oriole writes such good letters writes such good letters.

What rainy weather we are having! Father has not harvested yet but he expects to do so this week. The crops were not very good this year, although we have fairly good wheat.

Three of my sisters and myself drive to school. We have five miles to drive. Well, holidays are here and will soon be over again. I was successful in my examinations and was promoted into Dear Cousin Dorothy,—Having read a ranching country. We live in Sound-the fifth book. My eldest sister and I with great interest the Western Wig-both got honors. We have a splendid wam letters for the past three years, I many lakes smaller than Sounding Lake:

The Lamplighter, Treasure Island, Cast teresting letters in it. Up by the Sea, The Wide, Wide World, **Anne of Green Gables, as I hear** it is a maybe it will help the potato crops, and cannot spell it. good book.

Then she the stove like a cat. One day

them and they gave us a bunny about it has conductors. two weeks old. We called him Bruce. Man.

We took him to town and left him at our auntie's till we came home. Bruce wasn't as tame as Jimmie. When we

away.

CHERRY (10).

LIKES TO BAKE

some green flax.

four of the turkeys are living. They are but I like Ontario better than up here, trees, so there will not be much fruit

Jimmie like him. Here are some riddle **can answer** you directly if she wants to correspond.—C. D.) **cREDIT GIVEN TO THE TEACHER** the store into a cat. One day junned went up into the field of oats, but he came back again. When Jimmie was hill, now they go, now they go, now about six weeks old, the same neighbor they stand still? Ans.—My teeth. that gave him to us came up with his 2. What is the first thing that

Alta.

two wolf-hounds, and they killed poor smells when you go into a drug store ?

3. Why does a street car not need we girls were driving to school, we met lightning conductors? Ans.-Because

MAGGIE PATON.

A GOOD DESCRIPTION

Dear Cousin Dorothy,-This is my had Bruce about two weeks he ran first letter to the club, but I hope it will be a success. I will try and describe the country to you. It is sandy soil, that is most of it is. There are **LIKES TO BAKE** places fit for farming but it is really Dear Cousin Dorothy,—Having read a ranching country. We live in Sound-

teacher. How many of the Wigs are fond of a letter. I enjoy reading Canary's let-reading? I am. I read so much that ters, also Oriole's. I think the Western are a great many clumps of poplar trees, they often threaten to hide the books. Wigwam is one of the best clubs pub- they are the most plentiful. There are Among the books that I have read are: lished; everyone seems to get such in- a few cottonwoods or balm of Gilcad, cherry, saskatoon and a few birch trees, It has been raining hard for the past a great lot of poison ivy, creeping junietc. I like adventurous stories very three days, but it doesn't keep coming per and some other sort of creeping much. I think I should like to read down steadily, only in showers. But plant, of which I know the name but I

There was a big prairie fire here in Mother raised about ninety-five chick-ens this year, and ten turkeys, but only to Saskatchewan about five years ago, of hay and a lot, in fact most of the fruit PRAIRIE GIRL



THE LITTLE MOTHER

ided 1866

fire last o death. Cousin school I am in

and and , threeout half big hill hich we ounding a close

ong. I L (13).

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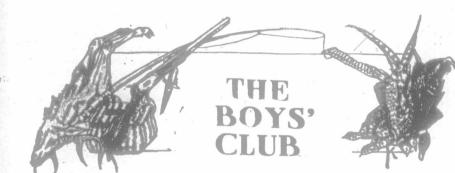
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August 31, 1910



Content of the second

THE HORSE THAT LOVED TEASING news was brought of a terrible railway

THE NORSE THAT LOVED TRADUCT TRADUCT TRADUCT TRADUCTS THE ADVECTOR TO THE PROOF THAT LOVED TRADUCTS THE ADVECTOR TO THE PROOF THAT THE PROOF THAT THE ADVECTOR TO THE PROOF THAT TH ahead. He repeated that performance in every detail at least half a dozen times and you could almost see his fat sides shake and hear him chuckle when the squeal came. He was as big a tease and enjoyed it as thoroughly as any human. At last, in desperation, she drew out three or four yards, then looked trium-phantly round and—he yawned in her face, the most bored yawn you ever saw.

THE BOY SCOUTS

-Editor.

All Canadian boys are bound to hear something of the boy scouts. It is sure to interest every member of this club. to interest every member of this club. This very day there are in a camp just on the outskirts of Winnipeg, a camp of English boy scouts who have come across the Atlantic with Sir Robert Baden-Powell. Lieutenant-General Ba-den-Powell has given up his active and distinguished military life to organize this boy scout movement all over the this boy scout movement all over the Empire, and he is now in Canada for that purpose, and the English boys have come with him to serve as an example of what he wants to accomplish.

A scout's honor is to be trusted.

A scout is loyal. A scout's duty is to be useful and to

help others. A scout is a friend to all, regardless of rank.

FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

supplant a horse's heels, or make man and has given it the name of Lady grudge a horse his grass. No man-made trap of bars and springs can love or confidence impart, nor give the little neigh that brings emotion to the horse-man's heart. O build your cars and ships and planes, and doom old Dobbin as you will! While men have souls and hearts and brains, old Dobbin shall be with us still! grudge a horse his grass. No man-made Coventry. WALT MASON.

THE WEIGHT OF A FLYING FLY

Watch for Tag in September 14 Issue

THE FARMER'S ADVOCATE is glad to announce that by arrangements with the L. C. Page Company it is able to give its readers the delight of reading one of the funniest stories of the year-Tag: The Chien Boule Dog. If you love to laugh get hold of the first chapter in the issue of September 14. It is safe to say that you will be sure to get all the other issues and read them in spite of harvest work and worry.

painted thing of cogs and wheels and has now succeeded in obtaining the entrails made of noisy brass can e'er most distinct blue rose yet produced,

IN PLACE OF DISCIPLINE (Continued from page 1278)

Does a fly, buzzing about in the in- experimenting at first, but soon I could

when their work in any subject was finished, this rule was made with their

approval of its fitness: "When your work is done you can do as you wish as long as you disturb no one else in the room.

At first the working out of that rule was not easy, but to help overcome the difficulty I put a stiff question in me-chanical arithmetic at the top of the board. Then if I saw a boy not spending his time well or interfering with another pupil in any way, this question was added to his day's work on the assumption that, being idle, the as-signed work was too little for him. They called it the idle question and learned to avoid it, for it called for much figuring and absolute accuracy. Usually, though, the quick pupils spent their time preparing for spelling or recitation lessons, or in drawing, painting, reading good geographies, histories or nature books that they could take from my book shelves.

In our school pupils whose work was done were dismissed at 3.30. When about it in one issue, but if you are in-terested enough to ask questions we'll try to answer them. There are already 400,000 boy scouts in England, so you can see how popular it is. The scout's motto is "Be Prepared." The scout's honor is to be trusted TRAINING FOR THE NAVY the hands pointed to that hour in my fly about in the interior. "But if both the lids be opened the spellings and looked over the work done equilibrium of the balance is disturbed that day in his book. If it were well EDITOR FARMER'S ADVOCATE: Dear Sir —In a copy of your paper, dated June 22, I noticed a paragraph headed "Rove and the Country of the country of the insect is still within.

1281

の意

A scout is courteous.

A scout is a friend to animals.

A scout obeys orders.

A scout smiles and looks pleasant.

A scout is thrifty.

An English scout's duties are many and he never gets to the end of his lessons. Before he can wear a firstclass badge he must pass an examina-tion in ten things. First, he must be able to swim fifty yards. He must have a shilling in the saving's bank. He must be able to send and receive a message either in Morse or semaphore at a rate of sixteen letters per minute. As a test in self-reliance he is sent off on a two days' journey by himself or with one then, they say your usefulness is gone; phenomena." other scout. On returning he must some blame fool thing designed by men write an intelligible account of what he has put the equine race in pawn. They has done and seen. He must know how doomed you, and your hopes were low, the colors given to blooms by nature. My room was never noted for that to deal with accidents, such as drowning, electric shock, fire, runaways. He must said: "The horse will have to go—he he desires to produce a variety which row biscuit, a hunt- lags superfluous on the stage!" They shall be green or blue or black. There was some noise, but it was the doomed you when the auto-car was clean and cook fowl. He must be able given its resplendent birth. "Thus carnation" and the "black tulip" were to read a map or sketch a map use an sinks the poor old horse's star—he'll synonyme for the impossible but thanks. tance, size, number and weight within now they're dooming you some more, natural tints such phrases have lost THE NEW SERIAL A JOLLY ONE 25 per cent. of correct measurements, there are so many motor things; men their old significance

headed "Boys and the Canadian We can not suppose that a descende work were untidy or incomplete the Navy," stating Canadian Boys were ing current of air acts at a distance rela- work were untidy or incomplete the wanting in the engineering department. tively so great, and this current could defective parts were marked and these cations should be entered, as the col- into pressure without loss. lege is not yet established.

Ross PAINTIN. Sask. (If you write to Sir Frederick Borden, Minister of Canadian Militia, Ottawa, Ont., you will receive information regarding the training for boys for the Canadian navy. We shall be glad to hear of the results of your enquiry.— Ed.)

THE TRUSTY DOBBIN

fly still exerts its weight when the insect sent a clean, tidy record for the day. ny still exerts its weight when the insect sent a clean, tidy record for the day. is just beneath the upper lid, the lower When the prepared ones had tip-toed being open. It is precisely as if the downstairs, I took a few minutes help-ing the slow ones who had found dif-figure in the arithmetic. While they

* * *

No true horticulturist is satisfied with for next day and I was gone too. the colors given to blooms by nature.

to read a map or sketch a map, use an sinks the poor old horse's star-he'll synonyms for the impossible, but thanks axe for felling timber, and judge dis- have to beat it from the earth!" And to the striving of growers after un-

new member so that the new boy is float around on hardware wings. They High Wycombe, who is a well-known It is written by a Western Canadian new member so that the new boy is float around on nardware wings. They fligh wycombe, who is a well-known it is written by a western Canadian ready for a tenderfoot badge. Here doom you, Dobbin, now and then, and rose specialist, has been experimenting woman, who laughs herself and knows is what the London boys have done call you has-been, and the like; but three or four years with a view to the among other things: "They were playing football when horse will still be on the pike. No process of crossing different strains he issue. Don't miss a work of it.

the insect is still within. "We can not suppose that a descend- whole school was dismissed. If the Please advise me as to where appli- not transform its stored kinetic energy had to be remedied. Boys have a great sense of fairness, and nobody sulked The most curious thing is that the after the first week over having to pre-

the theory that we should consider the used this new light on their problems, air, in a case like this, as a stretched the perplexed with grammar were set spring that is made to vibrate; for the straight, and other subjects untangled energy that disappears when the spring of puzzles. By 3.50 there would not be is stretched appears again when it is more than four or five pupils left, some released. I believe that small models of these being delinquents who had the They doom you, Dobbin, now and might be constructed to illustrate these "idle question" on their list. By four o'clock everybody was away, and in another half hour the work was planned

My room was never noted for that

"Tag: The Chien Boule Dog" is one Alfred Smith, F.R.H.S., of Downley, hearty laugh from beginning to end.

or the best at a price, but positively the best at any price. Buy a pound packet | WON GRAND PRIZE QUALITY WORLD'S FAIR SEATTLE 1909 AND if you don't find it superior to the tea you have been using, you can return it and your grocer will refund purchase price

NOT MERELY THE BEST VALUE

ATTENTION !

EMPIRE Stoves, Ranges, Furnaces, Registers The Great

JOY MALLEABLE RANGE Empire Queen

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1282

Empire Steel

New line of "Sturdy" Oak Heaters and "Sentinel" Cook Stoves Especially manufactured for this great Western Country.

Write for our illustrated Catalogue



QUESTIONS ANSWERS

GENERAL

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

HOMESTEADER INSANE

Homesteader has become mentally incapable of finishing his duties to get patent. Can his guardians-brother-in-law and sister—finish duties in case homesteader's father is unable to do so owing to ill-health and old age? Said homesteader is now in asylum and had one year and one-half in on his place. In whose name would patent be issued? Could it be trans-ferred to his sister?—J. I. C.

Ans.—The departmental rulings re-lating to Dominion lands provides that 2. Poultry and hog-raising. in the event of any person who obtain-ed entry for a homestead becoming insane or mentally incapable, and by animals. reason of such insanity or mental incapacity, unable to complete the requirements necessary for the obtaining of letters patent therefor, the guardian growing, or committee of the said person, or any person who, in the event of his death, would be entitled as his legal representative to do so, shall only be required to fulfil the conditions as to the erection of a habitable house and (\$1.50) as to cultivation before the issue of the letters patent, but the letters patent shall not issue until the expiration of three years from the date of entry.

sue to the guardian, presumably the father or the legal representative of Robinson's Poultry Craft (\$1.50). Write the homesteader. It could be made to the same departments for bulletins on the sister. Brother-in-law and sister hog raising. can finish duties.

A HORSE DEAL

Last spring, in April, I bought four horses from a party, three mares and The ages given were one gelding. two of the mares seven years each, one mare between nine and ten, the gelding rising five years. Since then the gelding proves to be weak in the hind legs and unable to do more than two or three hours' work at a time, so I have alowed him out on the pasture most of the summer. I wrote the party from whom I bought this horse, explaining den, Matthews (40 cents) how seriously this trouble was effecting my seeding operations, and asked him dealing with the subjects given. Some to exchange horses or help me over of them may not discuss their subjects the seeding. In reply he stated there along the line you wish for British all it needed was a little stock food and of the general principles of the work to be turned out to grass; this, in spite they refer to. These books may be obof the fact that I bought the horses to tained through this office at the price put me through with the spring opera-stated. The bulletins mentioned are tions. I understood that every horse free, was able to do a day's work. I have been compelled to do with the three mares and I find that the mares' muscles tremble after reaching the end of the that some institution had sent men out field, a distance of 120 rods, with a who had been learning traction engine three-horse seeder, and one of them driving, but owing to having mislaid especially trembles violently even after that number would you advise me as to giving her a rest in the middle of the what institution it is, and whether they stretch. I have taken the mares to take in men to learn for a certain period be covered and the stallion owner re-fused to allow the horse to do service, course if you could give me information on the ground that the mares were too as to how long it takes to learn, and old and that it would be a waste of time what the cost would be.-F. L. to bother with them. This was serious, so I got a qualified veterinarian to ex- probably that of the Manitoba Agriculamine them. He gives the ages of tural College. This institution offers a mares, one of them 15 to 16 years, one course in traction engineering each mares, one of them 15 to 10 years, one 14 years, one 13 to 14 years and the gelding rising seven years. He states that the trembling of the muscles is due to old age. I have no doubt but the true horses were doned for in spite of good appetites, a gallon and a half of oats each meal and new hay all the time, they are steadily going down in lets relating to the preparing of ground time, they are steadily going down in weight. The purchase price was \$975, \$375 cash and a note due November 1st. The ages of the horses are not on the note, and the only person that heard the culture state the ages of the horses. the seller state the ages of the horses they have published on wheat culture, was my wife at the time of making out also the departments of agriculture at the note, the man then only giving Edmonton and Regina. Bulletins will the ages of three of them. What I wish be sent free on request. "The Book of

Founded 1836

to know is would it be advisable to take action against him at once or wait until the note becomes due. The mares were sold to me as brood mares, and were advertised as such by posters in the barns and business places in town.-G. H. W.

Ans.-From your statements a gross fraud has been perpetrated, and you can either take criminal action against the vendor for obtaining money under false pretences or sue the vendor in the civil courts for damages for breach of warranty. If the vendor of the horses is worth the money we would suggest the latter course as being preferable. In any event we think it would be advisable for you to engage a responsible solicitor, as the amount involved is considerable. If the facts are proved before a court, as stated in your letter, there is no doubt that you would get a substantial judgment in your favor.

BOOKS WANTED

What do you consider the best text books on the following subjects:

1. Plain home and camp cooking and meat and fruit preserving; something suitable for a bachelor establish-

Buttermaking

4. Diseases and treatment of farm

5. Irrigation.

Alfalfa raising.

7. Truck farming and fruit and berry

8. Beekeeping.

Beekeeping.
 Amateur flower gardening and landscape gardening.—G. W. S. Ans.—1. Boston Cooking School Cook Book (\$2.00), or "Cooking for Two"

2. Poultry-Raising. Write the departments of agriculture at Victoria, B. C.; Edmonton, Alta.; Toronto, Ont., and Ottawa, and procure such bulletins Letters patent in this case would is- as they have issued on poultry raising. Aside from these a good text book is Robinson's Poultry Craft (\$1.50). Write

Canadian Dairying, by Dean (\$1.00).

4. Farmer's Veterinarian, Burkett, (\$1.50).

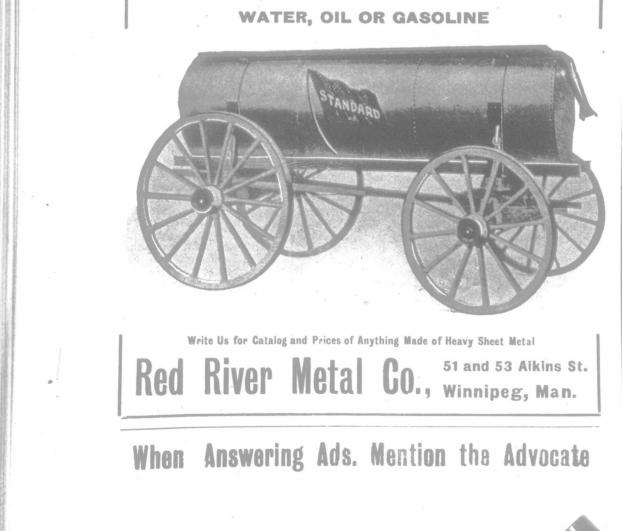
5. Irrigation for the Farm Garden and Orchard, Stewart (\$1.00).

6. Coburn's book on Alfalfa

7. Green's Vegetable Gardening (\$1.00) Success in Market Gardening (\$100), Practical Fruit Grower, Maynard (50 cents).

8. Langstroth, on the Honey Bee (\$1.25)

9. Landscape Gardening, Waugh (50 cents). The Beautiful Flower Gar-



TRACTION ENGINEERING

In one of your recent issues I noticed

Ans.-The notice you refer to was

BULLETINS WANTED

Would like to have books or pamph-

management, feeding and so on is con-

Ans.-In the absence of any agree-

WANTED: INFORMATION ON

TRACTORS

much to know as much as possible from

Ans.—We might answer in a general

way that gasoline tractors have been

a large number of letters from readers

with only one or two exceptions they

were most favorably spoken of. There

is not so much information as to the use

of tractors in drilling, disking, etc., as there is in plowing, for which work these

engines up to present have been most largely used. We are inclined to think

you would be better with an engine larger than 15 horse power. Experience

of users is that it is better to have more

power than may be required than to be

forced to crowd the engine near the

maximum We would

farms of 300 acres.-E. H. W.

this office at the price given.

stances?-A. M.

termination of the term.

FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

Founded 1836 isable to take nce or wait

The mares e. d mares, and by posters in ces in town .---

ments a gross ted, and you iction against money under vendor in the for breach of of the horses rould suggest g preferable. would be ada responsible involved is s are proved your letter, would get a your favor.

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dening and V. S. School Cook ; for Two'

ite the deat Victoria, ronto, Ont., ch bulletins ltry raising. ext book is .50). Write bulletins on by Dean 1, Burkett, rm Garden (0)lfa.

11ng (\$1.00) ng (\$1 00) ynard (50

loney Bee Waugh

lower Garpest books

'en. Some ir subjects

Wheat," by Dondlinger, is the latest come lame, their faces get white and work on the subject of wheat, price they keep themselves apart moving \$2.00. No bulletins on horses have very little. In about two weeks they been issued in any province in the die. Dominion save in Manitoba. You may 2. A four-year-old colt has sweeny possibly obtain a copy of Professor four months. I blistered it a few days Peter's pamphlet on the classification ago, but without success. Give treat-

of horses, by writing the Manitoba Agri-cultural College, Winnipeg. A good 3. What is the best book a deal of information on horses, breeds, horse and his diseases?--E. E. 3. What is the best book about the

Ans .- From the symptoms it is imtained in the Farmer's Clyclopedia of possible to state exactly what the Livestock (\$4.50). This is an excellent trouble is. Would advise post-mortem book of reference on all livestock sub- examination of lungs, liver and other jects. The book on wheat and the organs. Such symptoms as you give Clyclopedia may be obtained through indicate that the disease may be tuberculosis. It would be advisable for you **OUESTION OF STRAW AND RENT** to send the lungs, liver and digestive organs of a bird dead from the disease, A rents his arable land to B for a cash to the provincial bacteriologist, Repayment. To whom does the straw gina, who could give expert advice as belong? What is the usual time for to whether or not the trouble is tuberthe payment of rent in above circum- culosis. If it is you will have some trouble stamping out the disease.

2. Treatment consists in stimulating ment to the contrary the straw would flow of blood to the poerly-nourished belong to B. In the absence of any parts, for sweeny is simply a wasting agreement that rent should be paid in of the muscles of the shoulders. The advance it would be payable at the great nerves of the shoulder are affected and in consequence nutrition is impaired and the muscles waste away. To cure, give the animal a long rest blister the shoulder repeatedly or apply I have been reading a good deal about a strong stimulant liniment. Make up the use of gasoline tractors in farm a blister of biniodite of mercury, 2 work and am thinking of getting one. drams; powdered cantharides, 2 drams; Before doing so, however, I would like lard, 2 ounces. Clip hair from affected very much to have the experience of parts and rub the blister well in. Tie some of your readers who have been up the horse's head. Wash off in 24 using them on their farms. I thought hours and smear with vaseline. Repeat of getting one of 15 horse power, and blister in two weeks. Better treatment would take it as a great favor if you consists in rubbing the parts twice daily would invite correspondence on the with a stimulant liniment made as subject as to what they can do, how follows: Alcohol, 2 fluid ounces; oil of many plows they can haul on stubble, turpentine, 2 fluid ounces; liquor amand also breaking land, hauling disk monia fortier, 2 fluid ounces; water, harrows, seed drills, etc. Our soil is a 1 pint. heavy sandy loam. I would like very - 3. A good book on horse diseases is

3. A good book on horse diseases is much to know as much as possible from "The Farmer's Veterinarian," for sale someone who is using one, just what can through this office for \$1.50. "Veterihe done with them and how one of the nary Notes for Horse Owners," by forse power mentioned would do on Captain Hayes, is a good book. Price, \$4.00, through this office.

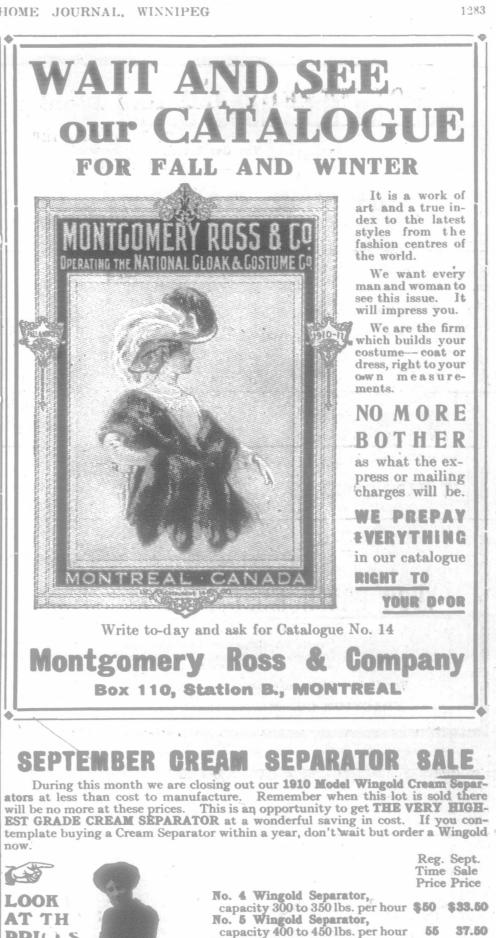
SWOLLEN ABDOMEN

giving excellent satisfaction throughout Have a mare with an enlarged stomthe West. We are informed by manuach or "hay gut" and would like to facturers that demand for engines last find out how to reduce same without spring was beyond all expectation making the mare fail in flesh. She is and that this demand arose through ten years old and is in very good shape. the work which the engines have been She had a colt this spring, on the 3rd doing. About a year ago we published of May .- A. R. L.

Ans.-The only safe way to reduce using gasoline and steam tractors and the size of your mare's abdomen, is by restricting her hay allowance. This may be done by feeding her very small quantities of hay at the morning and evening meals and withholding hay entirely from the noon meal.

ROARING

Six-year-old gelding was sick about LOOK eight weeks last winter with distemper. AT TH His throat swelled so badly we had to lance it several times. It seemed to PRICES leave him soft in the wind. He seems all right when walking or trotting slowly, but when speeded or excited he breathes heavily. Would it be advisable to blister his throat or what treatment would you suggest ?---C. W. Ans.-The disease from which your horse suffered last winter has caused him to become a roarer. Roaring frequently follows distemper, especially when this disease has attacked the throat severely. You may try a blister made of cantharides, two drams; vaseline, two ounces. Mix well, clip off the hair right around the throat and well rub in the blistering ointment for fifteen minutes. Wash off the blister in twelve hours and smear the part with vaseline If necessary, repeat the blister in three



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LING

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r to was a Agriculn offers a ing each informahe princi-1. A. C.,

D r pamphof ground amphlets

t of agrilletins as t culture. ulture at etins will Book of

this time to receive letters from readers using gasoline tractors in answer to the points raised by this inquirer.

he pleased at

RAINFALL

What is the average annual rainfall for this district (Stockton, Man.)?-H. F.

Ans.-The annual rainfall at Brandon, which is the nearest meteorological station is 15.46 inches. This is the average for a period of twenty years.

UESTIONS ANSWERS

VETERINARY

Enquiries dealing with matters of a veterinary nature are answered through our columns by a competent veterinarian free of charge to bona-fide subscribers. Details and symptoms intust 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.

SWEENY-HENS DYING

hens, which I cannot, in spite of all up to this day. The hens generally be- excepting from the only symptom you

weeks. The most likely way to bring about a cure, is by an operation on the vocal cords, if you can find a surgeon to do it. Wingold Stove Co., Ltd.

LAME HORSE

Ten-year-old horse went lame about six weeks ago, and has gradually gone Blacksmith could not find worse. corns, and shod him with leather pads. However, he continues lame and rests the forefoot on the toe. I cannot find the slightest swelling or heat and he does not flinch with pressure applied in hollow of pastern./ Please give me

A disease has broken out among my advice.—J. E. ______ ms, which I cannot, in spite of all Ans.—We are unable to diagnose the good advices of neighbors, eradicate nature of the lameness in your horse,



No. 6 Wingold Separator, capacity 500 to 550 lbs, per our The Wingold has all of the latest Improvements, such as split wing disk bowl, which is the fastest and closest skimming device made. Phosphor bronze bearings; low-down supply tank cut gears. Every piece and part made up of the best materials in the latest and most approved manner. Prices will be higher during 1911. Owing to increased cost of raw

material and labor, we find it necessary to increase our prices on Separators. As only the very best materials are used in the construction of Wingold Separators they are more expensive to build than the ordinary machines. However, by selling direct at Wholesale Prices, you can obtain one at a low cost, should you not take advantage of our September Sale

Terms Cash with Order, with the understanding and agreement of money back if the Separators do not accomplish everything we claim for the same. Send your order to-day; only a limited number of each size.

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PREMIUM WORTH YOUR TRY Forty pieces of handsome and dainty China; coloring and design uisite. Retails ordinarily from \$5.00 to \$6 00. We will give this exquisite.

whole set, free, to any one sending us four new subscribers with \$6.00 to cover their subscriptions for one year.

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THE GAS TRACTION YOUR ORDER ARE GET

The success of the Gas Traction Engine at the Winnipeg Plowing Contest, and its success in actual work on Canadian and American farms, has stirred up the farmers of the West to the advantages of We are meeting an enormous demand, but we still want YOUR ORDER. Send it in. owning this engine.

For United States use, write **GAS TRACTION CO.**, Minneapolis For Canadian use, write

GAS TRACTION CO., Winnipeg, Man.

give (standing on his toe). The trouble showed the following symptoms: Went of recently imported Percheron and three females—1 and 2, Shields. Bull appears to be in the foot. But the rapidly thinner, curved backbone, throat Belgian horses. These horses have been and two of his get—1, Shields. Cow lesion is unknown to us, as we have so swelled and became hard in the middle selected with the special view to meet- and three of her progeny—1, Shields. little data to help us to arrive at a defi- for about a foot and very tender, all ing the requirements of the Western Female, any age—Wm. Shields. nite conclusion. Since you cannot find muscles of body and belly became very trade, and farmers contemplating pur**nite conclusion**. Since you cannot find **revidence of corns**, it may be a sprain of the tendon in or near the foot, or **possibly** a sprain of the ligaments. However, the best thing to do under the circumstances (if you cannot consult a veterinarian) is to take off his shoes and poultice the forefeet, or stand him in three inches of water for three hours at a time twice a day **not** the belly (without pressing) caused him to scream and draw himself together in a remarkable manner. Skin and hair normal, eager for oats (which are rolled) **not** the belly (without pressing) caused him to scream and draw himself together in a remarkable manner. Skin and hair **normal**, eager for oats (which are rolled) **normal**, eager for oats (which are rolled) **normal**, water and manure and groans **normal**, eager and finculty in **normal**, water and manure and groans **normal**, eager and manure and groans at a time twice a day.

FOOT ROT IN CATTLE

making water and manure and groans present. in the effort. Local veterinary says he

has been CHOKED in some way and has THE EDMONTON FAIR BREAKS ALL What is the cause and cure of foot been in great difficulty to clear his hence is now suffering throat. trom Ans.—Foot rot is a disease usually muscle-soreness all over the body. associated with sheep. It is a chronic Treatment is two tablespoonfuls of a ulceration, softening of the hoof, lame- three times daily. After four days, and his herd won the bulk of the prizes. by a germ that lives in the soil and teresting case and one we should very gains entrance through wounds and much like to see. In fact it would be absurfaces chafed by barbed wire, stones solutely necessary to make a careful or gritty clay, which becomes lodged examination of the case before venturing dition. Other exhibitors were R. M. between the toes. Treatment is an- an opinion as to the nature of the tiseptic. Usually good sheep dip is disease. We suggest that you have combe, and G. H. Cresswell, Edmonton. used. One pound of pure carbolic acid your veterinarian consult with some to four gallons of water makes a good other good veterinary surgeon. Much

RECORDS

of Galloways, and he won practically all the prizes in light competition.

J. H. Elliott, of Irma, was the only exhibitor of Red Polled cattle.

in cattle

ness and discharge of sticky material has not had any effect .- F. W. G. with a very fetid odor. It is produced solution. With sheep the disease may good may result.

be treated by making the animals stand for several minutes daily in a trough containing a dip, or the disinfectant named. The disease does not usually occur in cattle.

A VERY INTERESTING CASE

a case of swamp fever in its early stage; treatment given was drastic and was continued all summer. It is now con-sidered by the veterinary that all trace of swamp fever or any other fever has gone, and the horse pronounced in health. Hair, mane and tail and skin glossy, eye bright, but he is thin as a rail—no flesh. Work done, very slight. The other day this horse suddenly



SAVE EVERY ISSUE

a case of swamp fever in its early stage; of every issue and save it for a less busy

(Continued from page 1275) HEREFORDS

inflammation of the foot, marked by crystal (which looks like soda) in water, the strongest exhibitor of Herefords, grade Shorthorns, a dual purpose cow There were many other good animals Ans.—This is certainly a very in- there, but few of them were in good he exhibited possess teresting case and one we should very show condition. The Shields' herd sides being milkers. not only contained many good animals but they were out in superb show con-Ballantyne, Lacombe ; C. Palmer, La-The prizes as awarded were

Bull, three years and over-1, Shields, on Happy Christmas; 2, Palmer, on Burden; 3, Cresswell, on Albert Junior; 4. Ballantyne, on Bonny Brae Hesiod 5th. Bull, two years and under three-1, Shields. Bull, senior yearling-1, Crawford, Strathcona, and R. C. Wat-Shields; 2, E. T. Clarke, Edmonton. son, Edmonton.

Bull, junior yearling—1, Palmer ; 2, Ballantyne ; 3, Palmer. Senior bull Large gelding, six years old, took sick in the spring, lost flesh rapidly, "Tag: The Chien Boule Dog," by and showed other symptoms, which Valance Patriarche. If you simply Clarke; 2, Shields; 3, Cresswell. Cow, ford. Bull, one year old—1, and 2, Clarke; 2, Shields; 3, Cresswell. Cow, ford. Bull, one year old—1 and 2, led our local veterinary to pronounce it can't find a moment just now, get hold four years and over-1 and 2, Shields; Harper & Son ; 2, Rice Sheppard. Bull 3, Cresswell. Cow, three years-1, calf, senior-1, Harper & Sons; 2,

D. W. Warner, of Edmonton, exhibited of grade Shorthorn. Mr. Warner has Wm. Shields, of Brandon, Man., was endeavored to breed a type of milking for the farmer, and he is to be commended on his success, for the animals he exhibited possess beef qualities, be-

DAIRY CATTLE

The three leading dairy breeds were well represented. Alberta is the home of many good Ayrshires and Holsteins, and also Jersey cattle of good merit. In the latter class Jos. Harper & Son, Kinley, Sask., was the largest exhibitor. He exhibited over a dozen head. Other Jersey exhibitors were : Rice Sheppard, Strathcona ; Frank Orchard, Grevsville, Man. ; Chas. Sanford, Edmonton ; V

JERSEY AWARDS

Senior bull Bull, three years and over-1 and 2,

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N . E.

FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

Sharples Dairy Tubular Cream Separator

The only simple cream separator made—for it is the only one that contains neither disks nor other contraptions. The most efficient cream separator made—for it produces twice the skim-ming force, skims faster and skims twice as clean as common separators. The only modern sepa-rator made—for it does better work, without disks or other contraptions, than common separators do with them. No better proof exists that Tu-bular construction. onstruction.



The manufacture of Tubulars is one of Canada's leading industrics. Sales easily exceed most, if not all, others combined. Probably replace more common separators than any one maker of such



Saskatoon ; 2, Harper & Sons ; 3, Watson. Jos. Harper & Sons won all the pen of three ewes, 1 and 2, Cox; 3, Championship prizes championship prizes.

HOLSTEINS

J. Smith, of Clover Bar, and J. H. 2, Orchard. Holmes, of Strathcona, were other exhibitors. Prizes as awarded :

Inductors.Prizes as awarded :T. A. Cox was alone with a full entry,
Bull, two years old—1, Ferguson ; 2,
there being no competition.Mitchener Bros.Bull, one year old—
Smith.GRADE SHEEP
Pair aged ewes, 1, F. T. Shaw, Bel-
mont; 2, H. W. Watkins; pair shearling
Bros. ; 2 and 3, Ferguson.Cow, three
ewes, 1, L. Middleton, Edmonton; 2,
W. Sporle; pair lambs, 1, Shuttleworth;
Mitchener Bros. ; 5, Smith.Mitchener Bros. ; 5, Smith.Heifer, two years
er Bros. ; 5, Smith.GRADE SHEEP
(Long Wool)Old—1, 2 and 3, Mitchener Bros.Aged ewes pair 1Rye & Sons: 2 old—1, 2 and 3, Mitchener Bros. Heifer, Aged ewes, pair, 1, Rye & Sons; 2, one year old—1, Ferguson; 2 and 3, F. T. Shaw; pair shearling ewes, 1, W. Mitchener Bros.; 4, Smith. Heifer Maxfield, Namayo; pair ewe lambs, 1 calf, senior—1, Holmes; 2, Mitchener and 2, Rye & Sons; three fat sheep, 1, Bros; Junior heifer calf—1, Holmes; T. A. Cox. 2, Mitchener Bros. ; 3, Smith ; 4, Ferguson. Herd, bull and three females— I, Ferguson ; 2, Mitchener Bros.

AYRSHIRES

A. H. Trimble, of Red Deer; J. M. Bruce, Lashburn Sask and

in almost all. H. W. Watkins, of Olds, was perhaps the largest exhibitor, for he was an exhibitor of Shropshires, Suffolk Downs, Hampshire Downs, Southdowns and Leicesters. T. A. Cox, Brantford, Ontario, proved a strong winner in many of the classes. In Shropshire the exhibitors were, T. A. Cox, W. T. Shuttleworth, of Gaetz Valley, H. W. Watkins, of Olds, and W. Sporle, of Edmonton.

Suffolk Downs, H. W. Watkins, Olds, and J. Rye & Sons, Edmonton.

Hampshire Downs, H. W. Watkins, of Olds.

Leicesters, T. A. Cox, W. T. Shuttle-worth and H. W. Watkins. Cotswolds, T. A. Cox and F. Orchard,

Graysville, Manitoba. Southdowns, T. A. Cox and H. W.

Watkins. Oxford Downs, T. A. Cox.

The prizes were awarded as follows: SOUTHDOWNS

Ram, aged, 1, Cox; 2, Watkins; ewe aged, 1, 2 and 3, Cox; ram shearling, 1, Cox; ram lamb, 1, Cox; 2 and 3, Watkins; best pen of three ewes, 1, A. Cox; 2 and 3, Watkins.

SHROPSHIRES Aged ram, 1, Cox; 2 and 3, Shuttleworth; aged ewe, 1 and 2, Cox; 3, Sporle; shearling ram, 1, Sporle; 2, Shuttle-worth; 3, Watkins; ram lamb, 1, Cox; 2, Lawrence Adamson; pen of three ewes, 1, Cox; 2, Sporle; 3, Cox.

SUFFOLK DOWLS Ram, aged, 1, Watkins, 2, Rye & Sons; aged ewe, 1 and 2, Rye & Sons; 3, Watkins; ram lamb, 1 and 2, Watkins; pen of three ewes, 1, Rye & Sons; 2, Watkins.

-LEICESTERS Aged ram, 1, Cox; 2, Shuttleworth; aged ewe, 1, 2 and 3, Cox; shearling

ram, 1, Cox; ram lamb, 1, Shuttleworth; COTSWOLDS

HOLSTEINS The competition in this breed rested 3, Cox; shearling ram, 1 and 2, Cox; between Mitchener Bros., of Red Deer, ram lamb, 1, Cox; 2 and 3, Frank Alta., and W. L. Ferguson, Edmonton. Orchard; pen of three ewes, 1, Cox; OXFORD DOWNS

T. A. Cox was alone with a full entry,

ANGORA GOATS Buck, W. A. Tees, Tees, Alta.; doe, 1 and 2, W. A. Tees; kid, male, 1, H. Mathews, Edmonton.

SWINE



Never was there a more deservedly popular garment than the much wanted sweater coat. Eaton's have secured unusually liberal stocks of the most becoming styles, two of which are shown here. Orders for either style will be filled promptly. Every Eaton mail order purchase carries with it the assurance of satisfaction, for should any article not meet with your approval it may be returned for exchange or refund of money, all charges being borne by Eaton's.



M 18-147. Women's Coat Sweater, made of fine Australian Bot-any Yarn in fancy zig-zag stitch. Is single-breasted style, with four button clos-ing; length 36 inches. The V-neck, fronts and lower edge are finished with fancy knitted border; pocket either side made with flap effect, trimmed with buttons.

V-neck and fronts, and extends around lower edge, is single-breasted style, with large pearl buttons at closing. COLORS-Plain white, grey or navy.





No. M18-144 **PRICE \$3.50** Shipping weight 3 lbs

1285

Richards, of Red Deer, Alta., were the many breeds of swine that are so the exhibitors in the Ayrshire classes. popular in Alberta. A. W. MacIntyre, The Trimble herd and the Lashburn of Newington, Ontario, made the awards herd have attended most of the leading and he had his work well defined. exhibitions in Western Canada, and Alberta farmer has heard much of the honors have been well divided between bacon hog and the endeavor has been them. Jas. A. Jackson, Leduc; J. A. to breed with a view to marketability Davis, Strathcona, and T. S. Mattison, for packing purposes. Jos. Rye & Sons, of Edmonton, had representatives in of Edmonton, won the special prize the contest.

In the aged bull class, Bruce came breed, the prize to be awarded to the first with Barcheskie King's Own ones possessing the best bacon type. Jackson owned the second animal. Mr. Rye was in strong competition, but Bull, two years old-1, Bruce; 2, his favorite Tamworths won for him the Trimble & Son; 3, Davis. Bull, one prize. year-1, Bruce; 2, Trimble & Son; 3, In the Berkshire classes there was

Mattison. Junior bull calf-1, Rich- rather strong competition. The exards ; 2, Trimble & Son. Senior bull hibitors in the class were, P. J. Mullen, calf—1 and 3, Trimble & Son ; 2, Bruce. of Millet; T. A. Cox, of Brantford, Cow, three years and over—1, Bruce, on Ontario; L. Hutchinson, of Duhamel, Bluebell of Ormiston; 2, 3 and 4, and Rice Sheppard, Strathcona. Prizes Trimble & Son, on Woodside Lovely, as awarded: Boar, two years or over, Ivyleaf of Burnsides and White Rose. 1, Mullen; 2, Cox; 3, Hutchinson; boar, Heifer, two years old-1, Richards ; 2, one year old, 1, Cox; 2 and 3, Sheppard Trimble & Son ; 3, Richards. Heifer, boar, four months and under one year, one year old—1 and 2, Bruce; 3, 1, Sheppard; 2, Mullen; 3, Cox; sow, Trimble & Son. Senior heifer calf— one year or over, 1, 2 and 3, Cox; sow, 1, Bruce; 2, Trimble & Son; 3, Rich- four months and under one year, 1, ards. Junior heifer calf—1, Trimble Mullen; 2 and 3, Cox; boar and four of & Son; 2, Bruce; 2, Trimble & Son & Son; 2, Bruce; 3, Trimble & Son. his get, 1 and 2, Cox; 3, Sheppard; Herd, bull and three females-1, Bruce ; Sweepstakes boar, 1, Cox; 2, Mullen; Sweepstakes sow, Cox. 2, Trimble & Son. YORKSHIRES

SHEEP

The exhibitors of Yorkshires were. The sheep exhibit was a very cred-itable one. Geo. Hunter, of Edmonton, W. E. Tees, of Tees, Alta.; T. Weeks, made the awards in the various classes, of Edmonton; H. W. Watkins, of Olds; there being considerable competition F. T. Shaw, Belmont, Alta, and F. of the statute and renders him liable to prosecution.

There given for the best sow and boar, any

ltry fence and gates. Write for inform THE BANWELL HOXIE WIRE FENCE CO., Ltd. C Dept. M, Hamilton, Ont., Winnipeg, Man.

The Veterinary Association of Manitoba

Under the authority of Secs. 18, 19, 20, 22 and 26 of the Veterinary Association Act, 189 13 Vic., Chap. 60), the following persons only are entitled to practice as Veterinary Surgeons in the Province of Manitoba, or to collect fees for services rendered as such:---

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Hinman, W. J., Winnipeg. Husband, A. G., Winnipeg. Irwin, J. J. Stonewall. Jameson, J., Hamiota King, T., Souris Lake, W. H., Morden. Lawson, R., Shoal Lake. Lee, W. H. T., Minto. Leslie, W., Melita. Lipsett, J. H., Holland. Little, C., Winnipeg. Lipsett, J. H., Holland. Lipsett, J. H., Holland. Little, C., Winnipeg. Little, W., Boissevain. McChesney, D. H., Napinka McDougall, J., Kenton McFadden, D. H., Emerson. McGillvray, C. D., Winnipeg McGenzie, W. H., Emerson McIntosh, R. A., Morden. McLoughry, R. A., Moosomin. McLoughry, R. A., Moosomin. McMillan, Brandon McQueen, L., Selkirk. Mack, J. S., Neepawa. Marshall, R. J., Oak Lake. Martin, W. E., Winnipeg. Martin, S. T., Winnipeg Molley, J. P., Morris.

Murray, G. P., Fishburn Munn, J. A., Carman. Ovens, Hugh, Swan River. Part, J. H., Swan River. Pontret, H., Winnipeg Potter, G. G., Swan Lake Robinson, S., Brandon. Roe, J. S., Neepawa. Rombough, M. B., Winnipeg Rutherford, J. G., Ottawa. Still, J. B., Winnipeg Stiver, M. B., Elgin Shoults, W. A., Winnipeg Smith, H. D., Winnipeg. Smith, H. D., Winnipeg. Smith, H. D., Winnipeg. Smith, H. D., Winnipeg. Smith, W. H., Carman. Snider, J. H., Moose Jaw Stevenson, C. A.. Reston Stevenson, J. A., Gretna. Sirett, W. F., Minnedosa. Swanson, J. A., Manitou. Sirett, W. F., Minnedosa. Swanson, J. A., Manitou. Taylor, W. R., Portage la Prairie Thompson, H. N., Bannerman Thompson, Wm., Minnedosa Torrance, F., Winnipeg. Walton, T., Killarney. Welch, J., Roland. Westell, E. P., Winnipeg Whimster, M. A., Hamiota. Wilson A. F., Portage la Prairie Woods, T. Z., Winnipeg Young, J. M., Rapid City.



ENGINE FOR SALE — We have ready for delivery several Portable and Traction engine, simple and compound, 16 to 26 horsepower, rebuilt and in first-class order. Will sell much less than their value. Address P. O. Box 41, or The John Abell Engine and Machine Works Co., Ltd., 760 Main Street, Winnipeg.

1286

FOR SALE IN SEPTEMBER -A limited number of first-class Italian Bees in new Lang-stroth hives. Also some R. C. Rhode Island Red Cockerels and Pullets in fall. Rev. W. Bell, Abernethy, Sask.

Orchard, Greysville, Manitoba The prizes as awarded are: Aged boar, 1, Weeks; 2, Tees; 3, Watkins; boar, one year and over, 1, Tees; 2, Shaw; boar four months and under one year, 1 and 2, Shaw; 3, Orchard; sow, one year or over, 1, Shaw; 2, Tees; 3, Shaw; sow, four months and under one year, 1, Tees; 2 and 3, Shaw; TAMWORTHS

and the state of t

In the Tamworth classes, J. Rye & Sons, of Edmonton, were the largest exhibitors. Frank Orchard, of Greysville, Manitoba, and Jos. Caswell, Saskatoon, had entries in the Tamworth class. The prizes as awarded were: Aged boar, 1, Rye & Sons; 2 and 3, Orchard; boar, one year old, 1, Orchard; boar, four months and under one year, 1 and 2, Orchard; 3, Caswell; sow, one year or over, 1 and 2, Rye & Sons; 3, Orchard; sow, four months and under one year, 1, Rye & Sons; 2, Orchard; sow and litter of not less than seven pigs nursing at exhibition, 1 and 2, Orchard; boar and four of his get, 1, 2 and 3, Orchard. Sweepstakes boar, 1, Rye & Sons Sweepstakes sow, 1, Rye & Sons.

DUROC JERSEY John Maurer, of Clive, Alta., had a strong entry of Duroc Jerseys. He was the only exhibitor of the breed, but his hogs made a worthy showing in their class.

BACON HOGS

For the pen of three to five grade bacon type hogs, Chas. Rees, of Spruce Grove, won first, while W. E. Tees, of Tees, won second and third. For pen of three grade medium thick hogs: First and second, W. E. Tees, third, Chas. Rees. Best sow and boar, bacon type, any breed, Jos. Rye & Sons, with a pair of Tamworths.

THE VANCOUVER EXHIBITION (Continued from page 1274)

Red Polls alone represented the beef breeds, while the Holstein and the Jersey breeds upheld the standard of the milk-producing cows.

The exhibitors of Red Polls were T. Maynard, Chilliwack, and E. Henderson, Victoria. The prizes as awarded were: Bull, three years old, 1, Maynard; bull, two years old, 1, Maynard bull, one year old, 1, Henderson, 2, Maynard; bull calf, 1 and 2, Maynard champion bull, Henderson.

Cow, four years old: 1, Henderson; 2, Maynard; heifer, two years old: 1 | and besides grain shipped dry from the and 2, Maynard; heifer, one year old. Alberta fields was very apt to become and 3, Maynard; 2, Henderson; heifer, musty at the sea level of Vancouver. calf, 1, Henderson; 2, Maynard; herd, 1, Henderson; 2, Maynard.

DAIRY CATTLE

The exhibitors of the Holstein breed were J. W. Hollingshead, Ladner, and A. Davie, also of Ladner. F. Robson, Mayne Island, was the largest exhibitor of Jerseys. The Glen Olbree Farm and his opinion that the handling of the F. E. Woodside, both of Vancouver, also exhibited animals of the Jersey, breed

old: 1, Davie; bull calf: 1 and 2, also route with great interest. To-day bull championship, Hollingshead; cow, Montreal was receiving government asold hree Davie

Founded 1866



lambs, 1 and 2, Davie; ram, any age, 1, Davie; ewe, two years old, 1, Richardson; 2 and 3, Davie; ewe shearling, 1 and 2, Davie; 3, Richardson; ewe lambs, 1 and 3, Davie; 2, Richardson; best ewe, 1, Richardson; best pen, 1 and 2, Davie.

Shropshire awards: Ram, two years, 1 and 2, Wilson; 3, Richardson. Shearling ram, 1, 2 and 3, Wilson; ram lamb, 1, 2 and 3, Wilson; best ram, Wilson; ewe, two years old, 1, 2 and 3, Wilson; shearling ewe, 1, 2 and 3, Wilson; ewe lamb, 1 and 2, Wilson; 3, Davie; best ewe, Wilson; best pen, 1 and 2, Wilson.

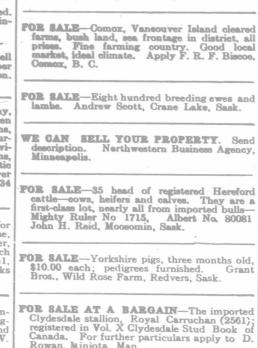
INTERPROVINCIAL CONFERENCE AT VANCOVER

(Continued from page 1274)

on many phases of the question. The captain said he was trying to organize a company to build an elevator, wharf and warehouse to facilitate both the inward and outward traffic of grain in this city. He spoke of the question of government - owned elevators and he thought it essential that the government should regulate the handling of grain. The grain, he thought, should be sacked by the farmer and sampled as in Australia at the different occasions of its handling by government inspectors. The expense of sacking he contended was not prohibitive, as was shown both by the Australian experience and that of the farmers of Washington and Or. egon. This method is also a great aid in preserving the identity of the individual farmer's grain, which was the question of the greatest importance too day. The captain went on to say that the storage of grain on the spot was necessary to enable shippers to take up large orders from abroad that had to be filled within a limited time.

Geo. Warner, of Edmonton, stated that he had investigated the sacking problem thoroughly and his investigations had taught him that sacking was very unpractical for the Alberta farmer,

Mr. Crearer, president of the Manitoba Grain Growers' Grain Company, had considerable to say on the subject. He thought that the first necessity was facilities in Vancouver for handling the Alberta grain, and, he believed, the Saskatchewan grain. However, it was grain in bulk was the best method, although exceptions would have to be made for the Oriental trade. He looked Holstein awards-Bull, two years on the development of the Western



POULTRY AND EGGS

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BREEDERS²

200 BARRED ROCK COCKERELS \$1.00 and \$1.25 each. J. A. Surprenaut St. Pierre, Man

DIRECTORY

Rowan, Miniota, Man.

Farm; cow, four years old: 1, Robson; tion.

cow, three years old: 1, Robson; heifer, two years old: 1, Glen Olbree Farm; 2, Woodside; heifer, one year old: Robson; herd, Robson.

SWINE

There were but two exhibitors of swine. Maynard, Chilliwack, exhibited controlled terminal elevator at Van-Yorkshire, while A. Davie, Ladner, stood alone with his entry of Tamworths.

SHEEP

The competition in the sheep classes was somewhat stronger than in the cattle or swine classes. Dr. Watt, Victoria, exhibited a fine flock of Southdowns, the only entries of the breed. J. T. Maynard, Chilliwack, was the only exhibitor of Dorset Horns, while men well versed in Western trade rein the Cotswold and Hampshire classes, lations. John Richardson, Port Guichon, won

all the prizes. P. H. Wilson, Sardis; Richardson, Port Guichon, and A. Deer; W. J. Tregillus, Calgary; Jas. avie, Ladner, divided honors in the Speakman, Penhold; D. W. Warner, Davie, Ladner, divided honors in the Shropshire classes, while in the Oxford Edmonton; J. Fream, Innisfail; L. H. Downs the competition lay between Alex. Davie and John Richardson. The Oxford Downs awards were:

shearling ram, 1 and 2, Davie; ram ton.

heifer, two sistance to enable her harbor to com years old: 1, Davie; heifer, one year pete with the American ports to the old: 1 and 2, Davie; herd prize: 1, Davie. south, but he thought it was not right Jersey awards—Bull, three years old: that Montreal should be the only port 1, Robson; bull, two years old: 1, Glen to receive assistance and that Van-Olbree Farm; bull calf: 1, Glen Olbree couver was worthy of the same atten-

E. J. Fream, secretary of the Alberta Farmers' Association, in very emphatic terms stated that he wished it understood that the Farmers' Association

stood for and would not be content with anything else than a governmentcouver. For some time the farmers had been fighting for this, and it was felt that something definite would be

known as regards the same before a great while. After considerable expression as to the success of the convention, the convention was adjourned. Captain Worsnop banquetted the representatives from Alberta, at which a number of speeches were made by

Those who attended the convention from Alberta were: Jas. Bower, Red Jelliff, Spring Coulee; E. Griesbach, Gleichen; A. Von Mielecki, Calgary; E. Carswell, Penhold; G. S. Long, Ram, two years, 1, 2 and 3, Davie; Namayo, and Geo. Harcourt, Edmon-

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. Hartney, Man. D SMITTE, Gladstone, Man., Shires, Jerseys and Shorthorns. Yorkshires hogs and Pekin ducks. BROWN BROS., Ellisbero, Assa., breeders of Polled-Angus cattle. Stock for sale. GUS WIGHT, Evergreen Stock Farm, Napinka, Man. Clydesdales, Shorthorns and Berks. Write for prices.

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JAMES WILSON, Innisfail, Alta., breeder of Shorthorn cattle. Young bulls of breeding age for sale. Heifers and cows from fashionable families. These are show animals at breeder's prices My 320 acre stock farm for sale.

MOBBISON BRUCE—Tighnduin Stock Farm, Lashburn, Sask., breeder of Clydesdales and milking Shorthorns. C. G. BULSTRODE, Mount Farm, South Qu'Ap-pelle, Sask. Breeder of Berkshire swine. H. C. GRAHAM, "Lea Park," Kitscoty, Alta., Scotch Collies and Yorkshires for sale.

W. J. TREGILLUS, Calgary, Alta., br eder and importer of Holstein-Friesian extile

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Lining he Range with a

-reputation for absolute dependability every day-year in, year out and here are the reasons:

Reputation

The Majestic 18 built on honor of the best materials-the only range made exclusively of malleable and charcoal iron. Charcoal iron won't rust like steel – malleable iron can't break—that's why a Majestic outwears three ordinary ranges. The Majestic is put together with rivets, making joints which always stay air tight as in a boiler and the expansion and contraction of the metal has no effect on them. It is lined with pure asbestos board, ¼ inch thick, covered with an iron grate put there to stay-you can see it. The Majestic oven is a perfect

baker, browns evenly all over, with-out burning-that's because the oven is riveted air tight and you can depend on the Saves one-

half the fuel. The reservoir is all copper, stamped from Left Hand one piece, comes in With Top

direct contact with the fire box and heats like a tea ket-tle. It boils 15 gallons of water in a very few minutes and by the turning of a lever the frame-and reservoir-moves away from the fire. This is an exclusive and patented feature used only on

Ike Great and Grand AJESTIC Malleable and Charcoal Iron ANGE All doors drop down and form perfect and rigid shelves. Malleable iron oven racks slide out automatically, holding anything they contain. Open end ash pan eliminates shovelingashes out of ash pit. FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG



Every exploding engine operating ments, which may complete a series with crude oil or its distillates, or al- of operations in two strokes, and these

with crude oil or its distillates, or al- of operations in two strokes, and these cohol, must have certain parts, no are called two-cycle engines. matter how different engines may vary The series of operations requiring in other details. These parts are a four strokes is best illustrated by a set cylinder in which a sliding plug or pis- of diagrams. In figures 1 to 4 is shown ton works back and forth, carrying a cylinder with the parts connected to it. a pin called the wrist pin, to which On the first stroke or outstroke (fig. 1) is fastened a connection and the other the pinton is drawn forward either by is fastened a connecting rod, the other the piston is drawn forward either by end of which fits in another pin called hand when starting or by the action of

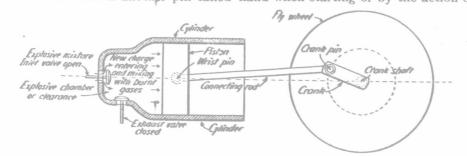


FIG. 1-THE FIRST STROKE, SHOWING POSITION OF VALVES WHEN PISTON IS DRAWN BACK ON THE FIRST STROKE AND ENTRANCE OF EXPLOSIVE

a crank pin. This crank pin is at one fly wheels after the engine is put in mo

end of an arm called the crank, on the tion. This moving forward of the pisother end of which is the shaft or crank ton is accompanied by an opening of shaft. The piston moves back and the inlet valve, permitting the ex-forth in the cylinder, but when nearest plosive mixture to follow the piston the cylinder head there is still some and fill the cylinder. The clearance space left between the walls, valves space, before this suction stroke beand the piston head. This space is gins, is filled with burnt gases from the called the clearance, or the explosion previous explosion so that the amount chamber, and is the space in which the of mixture drawn in will be equal

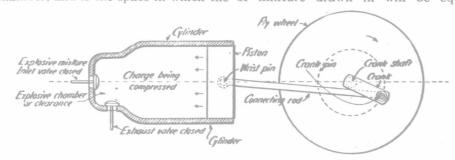


FIG. 2--SECOND STROKE, THE EXPLOSIVE BEING COMPRESSED WITH ALL VALVES CLOSED

charge is compressed before it is ex- to the volume displaced by the piston, ploded. In the clearance walls or and this fresh mixture will be mixed whinder head there are two valves in with some burnt gases. At the end the form of disks, which cover the of suction the inlet valve is closed and openings or ports. Through one of the compression begins (fig. 2), continuing valves an explosive mixture, having through the second stroke. During certain characteristics to be explained this process both valves are closed and later, is admitted from the source of the fresh charge, together with the fuel supply and from the air. Through residue of burnt gases, is squeezed into the other valve the products of com- the clearance space so that it will have



the whole system is off the key -stomach upset, bowels sluggish, head heavy, skin sallow and the eyes dull. You cannot be right again until the cause of the trouble is removed. Correct the flow of bile, and gently stimulate the liver to healthful action by taking

the bile remedy that is safe to use and convenient to take. A dose or two will relieve the nausea and dizziness, operate the bowels, carry new life to the blood, clear the head and improve the digestion.

These old family pills are the natural remedy for bilious complaints and quickly help the liver to

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The magnificent steamers of this line are now in service, leaving Toronto at 3.00 p.m. daily except Sunday, and after July 1st daily for the St. Lawrence River trip, through the beautiful 1,000 Islands in connection with observation steamers "Shooting the Rapida" to Montreal, where direct connection is made for Quebec and the Saguenay River. For rates, folders, etc., apply to railway or steamship agents, or for illustrated booklet, "Ningara to the See." Send six cents postage to H. Foster Chaffee, A.G.P.A., Toronto, Ont.

accomplished by the high pressure of the gases filling the explosion chamber and during the progress of the piston the pressure gradually falls as expantakes place. During this time sion both valves are closed, as during the compression. At the end of the expansion (fig. 4) the exhaust valve opens and the piston returns under the influence of the fly wheel, which has been spun around by the explosion, giving the fourth stroke or instroke. The exhaust valve being open for this stroke, most of the burnt gases are ex-

Piston Explosive mixtur







FIG. 3-WORKING STROKE : THE GASES HAVE BEEN FIRED BY AN ELECTRIC SPARK WHEN COMPRESSED IN THE FORWARD END OF THE CYLINDER, AND THE FORCE OF EXPANSION DRIVES THE PISTON BACK.

bustion after an explosion are expelled. as a result a considerable pressure, Their duty gives these valves the names called the compression pressure, preof inlet and exhaust valves, respec- paratory to exploding. At the end tively. Four strokes are usually re- of compression an electric spark exquired to complete the cycle of events plodes the charge, causing the pressure occurring within the cylinder, and to to rise two to four and one-half times engines requiring these four strokes the compression pressure. This high the name four-stroke cycle or four pressure in the clearance space will There are certain other then drive the piston forward. This cycle is given. engines with different valve arrange- stroke, the third or outstroke (fig. 3), is

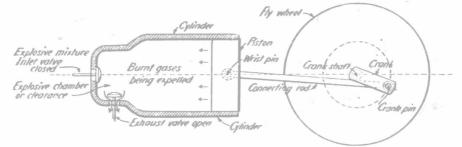


FIG. 4-CLEARANCE STROKE, THE PISTON RETURNING TO DRIVE OUT THE BURNT GASES. VALVES OPEN

To Really Cure Sick Kidneys

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

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

And yet Dr. A. W. Chase's Kidney and Liver Pills owe their wonderful success to the recognition of this most essential point.

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

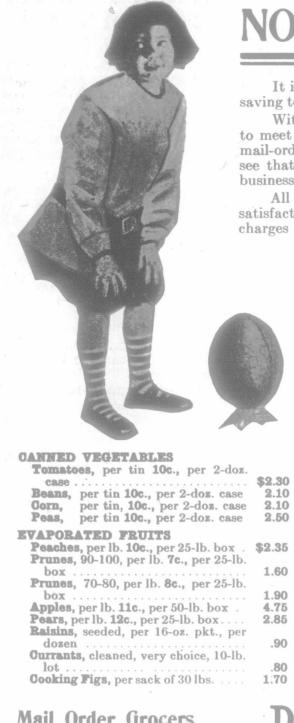
There is no way you can so quickly free yourself of backaches as by using Dr. A. W. Chase's Kidney and Liver Pills

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

What's the use of experimenting with new-fangled medicines of uncertain and untried value, when you can be sure of splendid results by the use of Dr. A. W. Chase's Kidney and Liver Pills. One pill a dose, 25 cents a box, all dealers, or Edmanson, Bates & Co., Toronto. Write for free copy of Dr. Chase's Recipes.

and the star plant is provide the same and the star

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1288

KICK COMING ON OUR PRIC

It is impossible for anyone to make a kick on the prices we have submitted below, as it means a saving to you of over 25 per cent. outside of your freight charges.

With harvest now at hand you will need to lay in a good stock of groceries so as to be able to meet your requirements. 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, no matter how small they may be, and see that only the best of everything you order is shipped promptly. Doing as large a mail-order business as we do our stock is turned over every day, and consequently our goods are always fresh.

All orders sent us are accepted with the understanding that if the goods we send you are not satisfactory they can be returned to us at our expense, and the money sent in together with any freight charges paid will be immediately refunded.

- SEND US A TRIAL ORDER AND BE CONVINCED -

	JELLY POWDERS, per doz	.70	PEPPER, WHITE, per lb	
	CORN STARCH, per doz. pkts.	.83	SUGAR, per 100-lb. sack 5.50 Preserving season is now in full swing.	
	LAUNDRY STARCH, IVORY GLOSS, per doz. pkts.	1.00	You cannot afford to miss this opportunity to get sugar at wholesale price.	
	LAUNDRY STARCH, IVORY GLOSS, per 6-lb. tin	.55	TEA, our special household, worth 45c.	
	EXTRACTS , per 2½-oz. bottle " per 2½-oz. bottle, extra	.8	per lb., a genuine bargain at	
	strong,	.18	TEA , a very choice India, per lb25 " per 5 lbs 1.15	
	BAKING POWDER, per 5-lb. tin, very best	.75	COFFEE, a really choice Mocha and	
	BAKING POWDER, per 1-lb. tin	.18	Java, per lb	
	COCOANUT, Schipps, 2 lbs.	.35	COFFEE , Santos, per lb	
	RICE, JAPAN, per lb.	.05	" " per 5 lbs	
2.30	" " per 50-lb. sacks	2.00	COFFEE, Green Rio or Santos, per lb13	
2.10 2.10	TAPIOCA , per lb " per 10 lbs.	.07 .65	"" " " " " per 5 lbs60 HERRINGS, in tomato sauce, per 6	
2.50	POT BABLEY, 7 lbs.	.25	tins	
	LARD, per 20-lb. pail Gold Leaf	2.85	HERRINGS, in tomato machonicies, per 6 tins	
2.35	BOLLED OATS , per 20-lb. sack	.58	per 6 tins	
.60	" " per 80 ibs CORN MEAL, 10 lbs	2.10	SARDINES, King Oscar, per 6 tins65	
	ROYAL CROWN SOAP , per pkt., 6		" Canadian, per doz. tins50	
90	bars	.19	Don't forget that when you buy from us	
.75 .85	" per case, 144 bars	4.25 .25	you buy at wholesale price and save 33 ¹ / ₃ per cent.	
	SUNLIGHT, 6 bars	.60	FRUIT JARS. Mason, pints, per doz55	
.90	VINEGAR, per 1 gall. pail	.40	" " Quarts, per doz60 " " <u>1</u> -gall., per doz85	
.80	" per 5 galls.	1.75	MOLASSES, per 2-lb, tin	
.70	MIXED PICKLING SPICE, per lb	.20	" per 12-lb. wooden pail63	
TITI	NCAN & LITTN	TFD	510 Logan Ave Winninger	

Mail Order Grocers

& HUNIER 519 Logan Ave., Winnipeg DUNGAN

automatically

run. There will be required in addi- upon the explosive mixture. tion to what is shown a valve gea which is a mechanism for opening and closing the valves at the proper time. making a mixture having the proper characteristics for explosion. This mixture will consist of air and the vapor of the liquid fuel, so that there must be supplied a carburetor, which vaporizes and mixes at the same time, or a vaporizer which vaporizes without mix-There must also be a mechanism ing. for automatically producing an electric spark at the proper time. This constitutes an igniting gear. The explosions will heat the cylinder so much that a lubricating oil will burn and the piston stick ; therefore some cooling device must be supplied, generally in the form of a jacket surrounding the whole cylinder and containing water. If the engine is to do stationary work it must operate at a constant or nearly constant speed, regardless of the amount of work done. This requires a gover-nor. The explosions are very loud; therefore such engines are equipped with a "muffler" to lessen the noise. The rubbing parts, viz., the piston, the main bearings, and the crank shaft, wrist pin, crank pin, valve gear, igniting gear, governor, etc., must all be lubricated to prevent overheating and undue wear, so that a lubrication system is required. Different makes of engines differ in the above details. All have some

tomatically. mixture of vapor and air, and a proper While the above operations are usual understanding of how the various and the above parts are likewise im-styles of mechanism or changes in de-portant, an engine having no more tail may affect the engine, requires a mechanism than is shown would not preliminary knowledge of their effect

pelled, but some are retained in the provision for performing what is pointed to C. H. Rowe, of Strassburg, Sask. isted for two centuries still continues to clearance. After this the fifth stroke out as necessary, and it is here that This horse is a noted animal, being the expand in spite of the fact that the begins, which is the same as the first inventors and engineers exhibit their champion Belgian at Seattle last fall. competition of other companies has cut stroke, and subsequently the whole skill. All of these engines work as a re-series repeats itself indefinitely and sult of the combustion of the explosive tained for service in the Canadian West. its affairs was taken away forty years

PROGRESS INDICATED

ago. But modern methods have been applied within that period, and now

Census and Statistics Monthly says: instead of the frontier small store for gathering in furs from the Indian trap-"The improving condition of trade in per and hunter there are in many places, Canada is illustrated by the business as in Winnipeg and Edmonton, modern of settlement with the Dominion Government, embracing every twentieth section of the fertile belt-that is, in the region southward of the Saskatchewan river-have been a great asset, and the receipts from sales to settlers have formed a large part of the yearly revenue. Every year makes these lands more valuable, and prices are going up steadily with the progress of settlement. In the last fiscal year 104,383 acres of farm land were sold at an average of \$12.43 per acre, whereas in the preceding year the sales were only 25,449 acres at \$11.34 per acre. Sales of town lots are also a valuable share of the company's revenue, which in the past year realized \$225,188 against \$47,074 in the previous year. From 1901 to 1910 the net receipts of land sales and furs and trading profits were \$14,867,400, and the division of profits was \$14,168,068. In the first year of this period the value of the net profits was \$334,541, and in the last year \$1,976,845. The dividend in the first year was \$365,000, and in the last \$1,946,666. The expansion of the Northwest lies at the bottom of this business development, and the figures are given for the illustration they afford of progress in our new country.

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POMPON GOES TO SASKATCHEWAN of the Hudson's Bay Company, a con- emporiums established to conduct trade **OMPON GOES TO SASKATCHEWAN** of the Hudson's Bay company, a con-The Belgian Horse Ranch have re- cern now in the 240th year of its exis-can command and control. The lands There must be also some device for cently sold the noted stallion, Pompon, tence. The fur trade upon which it ex- acquired by the company at the time



CHRISTMAS KING, YOUNG HEREFORD BULL SIRED BY HAPPY CHRISTMAS THE NOTED CHAMPION, OWNED BY WM. SHIELDS

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HEITHINGS are everything that plaster, wood and wall paper

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Metallic Ceilings are far-and-away the most eco-nomical building material you can put in a house. You don't believe it? We can prove it. Write us for the facts.

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FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

AGRICULTURE IN THE ORIENT A bulletin recently issued by the U. department of agriculture says the Orient still remains almost unexplored and unknown as to its agricultural treasures, and economic exploration rather than scholarly research is needed to make that land known and its value appreciated and to secure for the United States most useful agricultural introductions. There are to be found some of the best cultivated varieties, developed by the combined efforts of man and nature for thousands of years; and there, also, are almost all of the wild types which our prehistoric ancestors utilized in producing the cultivated crops of our time.

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The report under review deals especially with the useful plants which should be introduced into the far West and Southwest from that portion of the Orient known as Palestine. Already the Smyrna fig and Thompson's seedless grape, among other fruits, Kherson oats and hard Russia and Turkey wheats, among cereals, have been introduced into the United States and made it possible to extend cultivation to regions heretofore untilled, and it is believed that what has been done in this direction is but a splendid beginning of a most promising future oossibility

This land closely resembles Cali-fornia, except as to the extent of area; in fact, is practically a California reduced to about one-twentieth in size, but markedly similar in general topography, climate, vegetation and agricultural and economic possibilities. Like California, Palestine is longest from north to south; it, too, has very high mountains, and very deep depressions. Passing from west to east in either, there is the littoral region along the coast, the zone of hills and plateaus, then the long valley in each, while still farther east are fertile plateaus, finally turning into arid or desert lands. Each, too, has a dry warm season, and humid and more temperate one. Palestine is even more favored than California with regard to winter temperature, for although as in California, the thermometer rises high in summer, it rarely drops in the winter to the freez-ing point. Snow is rare even on the plateaus, and farmers in almost all

plateaus, and farmers in almost all parts of the Holy Land are safe from any damage by frost. Curiously enough, the list of flora of this small territory of Palestine in-cludes approximately the same number of species as that of California—about 3,000. In both sections evergreen shrubs predominate. The same forms of vegetation, often the same genera, are found on Mount Tamalpais, California, and Mount Carmel, Palestine; the mapuis formation of Palestine is to be compared to the chaparrel and chamiso of California; and the forms of vegetation of the Lebanon and the Hermon mountains are much the same as those



Of winter, as the plainsman understands it, there is none. The temperature seldom goes down to zero.

Kelowna fruit takes the highest place at exhibitions. Its orchards are free from fruit pests of all kinds.

Apples have given results of \$750.00 per acre. Crop from four-year-old orchard of ten acres sold for \$3,000. Nineteen acres mixed orchard produced fruit worth \$9.000.

FOR PRICES AND FULL PARTICULARS, CALL AT OFFICES, OR WRITE



1289

Also have your name added to our Mailing List for Catalogue of "Selected Seeds for Western Canada," ready about January

Full information from local Agent or write R. CREELMAN, Asst. General Passenger Agent WINNIPEG, Man.



SYNOPSIS OF CANADIAN NORTHWEST LAND REGULATIONS

A NY person who is sole head of a family or any male over eighteen years old, may homestead a quarter-section of available Do-minion land in Manitoba, Saskatchewan or Al minion land in Manitoba, Saskatchewan or Al berta. 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 in tanding homesticates

mother, son, daugner, brocket a tending 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 his nonestead on a farm of at least 80 acres solely

A nomesteader 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 in the ertain districts a homesteader in good standing may pre-empt a quarter-section along side of his homestead. Price \$3.00 per acre. Daties.—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-stead right and eannot obtain a pre-emption may take a pufchased 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. W. W. CORY, Deputy of the Minister of the Interior N.B.—Unauthorised publication of this ad-vertisement will not be paid for.

of the Western slope of the This analogy of the flora of Palestine with that of California justifies the expectations of the best results from their introduction into the last named state.

Among the large number of wild species and varieties found in Palestine is the wild emmer, from which our cultivated types of wheat and related cereals seem to have been derived. The author of the paper found large areas on the slopes of Mount Hermon covered with this cereal, and it was found growing near an eastern branch of the Jordan, 500 feet below sea level, and upon the slopes of the mountain, 6,000 feet above sea level, or in the zone of alpine plants. By selection and crossing of this wild cereal, which prefers poor, rocky, shallow, dry soil, and thrives without any cultivation, it is thought possible to produce new races which will be very persistent and very hardy, and to extend the cultivation of wheat to regions where, on account of the low quality of the soil and the severity of the climate, it is at present mpossible to produce it.

The study of this and other wild types of our cereals does not confine itself to a merely botanical and historical end, but becomes intensely practical as an economic, even social problem, as its ultimate aim is to produce a little more bread at a little less expense, and to render this production possible where, up to the present time, it has been impossible.

THE GENTRAL OKANAGAN LANDS, LIMITED, KELOWNA, B.C., or DOMINION TRUST CO., LTD., REGINA, SASK., and CALGARY, ALTA.

HOMESITES at VANCOUVER ERINDALE

Large 50-foot lots, near the city, ten minutes walk from a fine bathing beach, beautiful scenery, sloping gently south, very light clearing and only waiting for the completion of the Second Narrows bridge to bring you a huge profit. Roads are being cleared and graded through the property **NOW**. The bridge will be completed in a year and a half.

CAR FACTORIES AND COVERNMENT DRY DOCKS

the construction of which is just starting, further out, will make values double here in a year. In five years this property will be built up solid and in the heart of a busy end of the city. How much will it be worth then?

am offering a limited number of these lots at \$300 each

Terms:-One-fifth cash. Balance in eight quarterly payments at seven per cent. per annum

WE GUARANTEE ALL LOTS TO BE HIGH AND DRY, FREE FROM LARGE ROCK AND GULLIES OF ANY KIND, TO HAVE GOOD SOIL AND NOT MORE THAN A ONE PER CENT. GRADE

Out-of-town customers are allowed sixty days in which to verify the truth of this. If not satisfied on inspection within that time, your money will be returned.

To obtain maps and particulars fill up and mail this coupon. NAME.

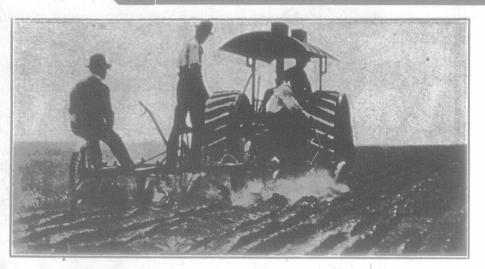
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D. MacLURG, 340 Pender St., Vancouver, B.C. Please send me particulars of ERINDALE.

Advocate ads give good results

Founded 15

Ideal Traction Gasoline Engine



28 Brake H. P. pulling 6, 12 inch bottoms

This is the engine that was disqualified in Class B (20 to 30 H. P.) in the recent ploughing contest, on account of having developed 34.15 H. P. It was the smallest engine in its class.

Sold By Us As a 28 Brake H. P. Engine

The Small Farmer's Rig

If you are going to buy an engine for Spring write us for catalogue and prices.

Goold, Shapley & Muir Co., Ltd. 230 Princess St., Winnipeg, Man.

LARGE CLYDESDALE IMPORT-ATIONS

1290

The Scottish Farmer for August 6, out on August 12. It is a bright sheet 120 head of Clydesdales, chiefly to pendent. Canada. The West secures a good share of the importation.

Vanstone & Rogers, Wawanesa, Man., had sixteen Clydesdales and a few and fillies, one aged stallion, and the available. rest were three-year-old and two-year-

THE TEN COMMANDMENTS OF DRY FARMING

1. Thou shalt plow deep. Deep plow- seed crop. Belgian and Percheron horses. In the ing lets rain get into soil easily without shipment of Clydesdales were ten mares and fillies, one aged stallion, and the available.

old entire colts. The aged stallion was loose. A loose surface keeps soil mois-Look Out (12213), purchased from Mr. ture from evaporating; lets rain get shall reap abundant crops. He who Alex Pielcen Kilphaurs. He was not by into soil easily; makes more plant food violates them shall be punished by de-Alex Pielcen Kilphaurs. He was not by Alex. Picken, Kilmaurs. He was got by into soil easily; makes more plant food violates them shall be punished by debeen a useful breeding horse, which soil has the least soil exposed to the cultural Editor Extension Department. Three-year-old air; level soil will take in rain fall much North Dakota Agricultural College. faster than ridged soil. On ridged soil Royal Chattan, out of a mare by Royal the rain runs off through the furrows. The soil in the ridges dries out so that son, sire of Oyama. Nearly all the fillies the plant has less moist surface soil to are two-year-olds. One is by Ruby the coil is a most effective way for get it and the percheron Society, was held at ingly, after October 15th, the registraout of a Macgregor mare, with grand- ting rid of both the moisture in the soil

2. Thou shalt keep the surface soil soil. They bring about prosperity.

Strathclair, Man., has a newspaper, corn saves moisture and kills weeds and 75 per cent. of the expenses of the so-Plain Talk, the first issue of which came plant diseases. Corn is best preparation ciety have been borne by American for a grain crop; produces more stock breeders, the importers on the board food per acre than other crops. Do not readily conceded that there should be a contains notice of the shipment of some and asserts that it is strictly inde- hill up the corn as this wastes the mois- substantial increase in the fees for the registration of imported animals. Some

9. Thou shalt grow clover or alfalfa of them felt, however, that as the in-every few years. Clover and alfalfa spection was at present confined to the add fertility and organic matter to the numbers and identification of imported soil; produce a most valuable hay and horses, and as it does not appear likely that the more costly and sweeping plan

manure, which is very necessary to the that some reduction should be made It was also felt that the younger animals

After talking the matter over among themselves, the that animals four years old and over should pay the \$50.00 fee, and animals under four years, \$25.00 per head. All members of the board came to the conclusion that this was fair and just to all parties concerned, and it therefore A meeting of the Board of Directors unanimously was so ordered. Accordthe soil is a most effective way for get- the offices of the association, Union tion fee for imported Percherons four Stockyards, Chicago, August 16th. The years old and over will be \$50.00, and business of the society was formally for those under four years, \$25.00 per Whyte; two are by Blacon Sensation; 4. Thou shalt summerfallow when turned over to Secretary Wayne Dins- head; if recorded within three months.

Royal Carrick (10270) out of a mare by available, due to more moisture. Scottish Banner (9671). Look Out has leaves plenty of foals. colt was got by the champion horse, Gartly. Two-year-old colts are Baron-Pride. Another is by Baron Galloway, dam by Sir Everard. Two are by Baron and of rainfall.

year-old is by Sir Hugo.

one is by Royal Favorite, and another rainfall is less than fifteen inches. more, who has been in full charge of the If not recorded within this time the fee is by Golden Crown, Cumberland-bred Summerfallow saves up two years' rain affairs of the society since August 1st. son of Gold Mine (9540). A four-year- for one crop and kills weeds and plant old mare is by Bulwark, and a three- diseases.

41 head. He has 21 stallions of all ages, and plant food, improves mechanical the work of the society considered. New York with importations. Several from yearlings up to five years old, condition of the soil, helps make plant Money received for capital stock issued cases where the horses did not agree and to 20 females of varying ages. The food available, lessens drifting, blowing to members cannot properly be used with the description given in the French oldest horse is Baron Gartly, by Baron's and washing of soil. Stable manure is for running expenses, but must be held certificates have already been found, Pride, another is by Royal Chattan, out the best form.

of a dam by Baron's Pride. Other individuals in Mr. Sinton's importation Weeds use up moisture and plant food, ensuing twelve months, including the in question, have sent the papers back are by Everlasting, Baron's Pride, Chief crowd the plants, shade the crops, publication of the necessary stud books, to France and lodged complaints Ruler, Royal Edward, Baron Edric, make it difficult for the plant to grow, Ruler, Royal Edward, Baron Edric, make it difficult for the plant to grow, should oblight a fairs, and at the In- digamst the French's preeders who, Memento, Pride of Blacon, Baron Ruby, and hard to work the land properly. the various state fairs, and at the In- through carelessness or intention, had Knight of Cowal, Revelanta, Marmion 7. Thou shalt grow early maturing ternational show, and the maintenance failed to furnish the correct papers. Montrave Ronald, and other sires equal- crops, because growing conditions are of the new inspection at port of entry. All members of the board were strongly ly as well thought of in Scottish Clydes- best in early summer and winter grains was made, and entails a heavy budget. dale circles. Mr. Sinton's importation better than spring grains. To meet this requires increased reven-at port of continuing the inspection

vailable, due to more moisture. 3. Thou shalt cultivate level. Level transgression.—W. C. PALMER, Agri- that arigned for the conclusion

PERCHERON SOCIETY OF AMERICA

The fee of \$50.00 per head on import-

ed animals, which was to take effect pleased with the working of the inspec-5. Thou shalt add organic matter to October 15, 1910, was fully discussed,

will be \$100.00 on all animals.

Importers and breeders alike are Robert Sinton, Regina, brought over the soil. Organic matter holds moisture and the need of additional revenue for the directors had recently come through as a reserve fund. A careful estimate and the importers who had been furnish-6. Thou, shalt keep down the weeds, of the expenses of the society for the ed with wrong certificates for the horses \$8,000 offered for Percheron horses at against the French breeders who,

is rated as one of the best bred con- 8. Thou shalt grow corn, every three ues. Inasmuch as the annual reports at port of entry, and making it as com-tingents that have come into the West, to five years. The cultivation given show that heretofore something like plete as may be necessary.



Free Delivery of Goods Throughout the Dominion

The aim of this store has been to reach a point in its development where it can serve on equal terms all the citizens of this great Dominion, and offer to every resident of Canada the advantage of Simpson Quality, Simpson Variety and Simpson Economy, right at your own door without extra cost and without trouble or risk.

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N.B.-To get our New Fall and Winter Catalogue promptly send Post Card addressed to Dept. No.¹⁶

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If your name is not already on our mailing list send post-card at once for catalogue.

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You can order any single article at any price, large or small, and we will send it cheerfully and promptly; but we suggest that you try to make each order as large as possible.

Follow carefully the instructions printed in the Catalogue.

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August 31, 1910

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Columbia Poultry Association, and to and T. Edwards. affiliate with the American association. M. A. Jull, government poultry official, completed the organization work, and EDITOR FARMER'S ADVOCATE it is quite evident that the poultry industry is destined to flourish in the province: Over one hundred and seveny-five members joined the association. a single bird, the material to be lath, ports that quotations for eggs generally **B. C. POULTRY ASSOCIATION** An event of great importance, bear ing on the future of the poultry industry of British Columbia, was a conference of the poultry breeders during the week of the Vancouver exhibition. Delegates assembled from all parts of the Officers elected were : President, E. B canvas or screening.

province, from the various poultry Edwards, Victoria; Executive com- constructed of canvas, tacked on light associations to form a provincial or-ganization to be known as the British Nachtrieb, M. A. Jull, W. Stonehouse CANDLING EGGS

EXHIBITION COOPS

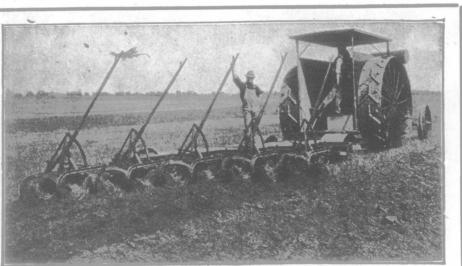
dimensions of an exhibition coop for dition of eggs ? I notice in market re-

CANDLING EGGS

TORONTO

EDITOR FARMER'S ADVOCATE :

What is meant by " candling eggs " ? Is it a preservative method or merely Describe construction of and state a way of determining the age and con-



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They Furnish the Maximum of Power at the Minimum of Cost."

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See us or our Local Agent and get our Catalogues and Prices before you buy.

Ontario Wind Engine and Pump Co., Ltd., CALGARY **WINNIPEG** TORONTO `

The Full Percentage of Cream

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





ture, and is turned over in different positions to see if there is any opaque or interfering substance, and when none is found the egg, as far as candling is concerned, is all right. But a stored egg, if it has been well kept, will candle almost as brilliant as a fresh egg, so the candling does not discriminate between a fresh egg and a stored egg. It discriminates between an egg which we consider edible and one which has progressed so far in its decomposition as to be inedible.

* * *

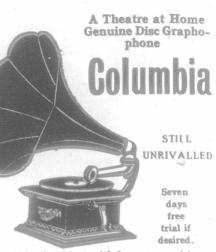
Probably the very best medium for the transfer of disease germs from fowl to fowl is the water dish or fountain. This is especially true of those diseases affecting the head, throat and lungs. The ailing bird, in getting its drink of water leaves germs which the next bird, perhaps up to that time en-tirely well, takes into its system. If the well bird is strong enough it may throw off the germs and experience no illness ; if not, it may quickly sicken. Another source of trouble is the feed

ing trough or dish, where filth and germs contaminate the food and spread disease in that manner. Both the feed and drink dishes should be thoroughly disinfected every few days by scalding with boiling water, and if any colds or other ailments are discovered in the flock, once a day is not too often to scald them.

WHAT TO FEED AND HOW TO FEED

Some writers tell us that the various ages should have feed particularly suited to the age of the chick; that a monthold bird must be fed slightly different to one two months of age. This looks reasonable until one commences to work it out; it is then found to be unworkable for the average poultryraiser. In my experience I have found that the simpler one can make the feeding the better. It doesn't necessarily take a chemist to mix feeds for poultry, and growing chicks will thrive on any good food they may get. True, the small chick just out of the shell must have food suited to its size, but even that food need not be so different in substance to that fed the laying hens. The incubator chick is fed oatmeal, boiled egg, cracked wheat, etc., and so is the hen, only in different form; the oatmeal is fed in the whole oat, the egg in meat scraps, cracked grains usually fed whole. We feed the growing chiel practically the same grain feed as the laying hen. Just now they are getting a mixture of wheat, oats and barley, and are doing nicely. When feeding growing pullets it is well to bear in mind the kind of food they will have as hens, and feed the same, or as near as possible. I have hens that were fond of oats and peas. Owing to the high prices of these two of late years the hens here will hardly eat oats, and never They were not used to them while growing, and would only eat them when nothing else was available. Corn is one food that most hens are fond of, yet pullets that had not corn in their growing ration would not take readily to it when given later in life. Knowing this, practically the same feed is fed growing chicks they will eat later. As a rule, the cockerels will be fed off before winter, but as most raisers are not so situated that it is convenient to separate them from the pullets, they get the same feed while running. The same feed is good for them, as it will most likely be used in fleshing them for market later A good method of feeding the chicks without too much labor is by means of hoppers. We have two or three thousand chicks running at large that are fed about once a month. They are housed in colony houses in a clover field, in which is a patch each of corn and buckwheat. The houses are placed upon blocks to give shade; hoppers are placed in the field, one for every three or four houses. Feed is put into these hoppers whenever needed, and the chicks are allowed to help themselves. When chicks have free range they will not require much feed, but it pays to have some available when they wish it. No more feed will be used this way than if fed at intervals, and the chick will be sure to have sufficient. -T. C. EL-FORD, Macdonald College.





In beautiful oak cabinet with largest sound box, latest aluminum scientific tone arm and revolving horn, exactly as shown. No crane, stand or rubber tubing required; so simple; no attach, ments. Plays all makes and sizes of disc records. The disc style reigns supreme.

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Only freight paid, includ-ing 16 large selections of your own choice. PAY \$6.50 DOWN

\$4.00 Monthly

We sell all makes of Talking Machines and Records. Our prices are lower than other houses. When buying from us you, do not pay for extravagant advertising, nor do we send you for extravagant advertising, nor do we send you second-hand goods. Easy payments, from \$2.50 monthly. No C. O. D. Return if not as repre-sented and money refunded. Satisfaction guar-anteed. A straight business offer, no mysterious obligations of the second se philanthropic ad.

Here are some of our specials :

Columbia 10-inch Double Discs (2 different selections), 85c., new velvet finish, fit any machine, last for ever; all languages. Hear George Lashwood and Raymond Hitchcock-funnier than Lauder.

We send records on approval. Write for de-

Gold Moulded Cylinder Records, Edison, Bell and Columbia, new, 25c., were 40c.

Columbia Indestructible Cylinder Records, 45c., beautiful tone, cannot break, fit any machine. Four Minute Cylinder Records, 50c.

Columbia Indestructible Four Minute **Becords**, most wonderful invention, 65c.

Edison Gem Phonograph and 12 selections, \$19.50. Brand new.

Edison Fireside, with 6 genuine gold moulded two-minute and 6 four-minute records, \$33.10. Victor Disc Gramophone, with 16 large selections, \$26.40 and upwards. Second-hand machines at bargain prices. Old machines taken in trade; 40 styles of talking machines; 29,000 records; 40 styles of pianos. Our Piano Specials \$290.00 and \$350.00

Three Fall Payments Arranged.



295 PORTAGE AVENUE, WINNIPEG. Biggest Piano and Phonograph house in Can-ada. Wholesale and retail. Columbia, Berliner, Victor and Edison experts.

Write for interesting Graphophone history and free booklet, No. 42.



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Separator Hand

never gums, never rusts, never corrodes. It feeds freely into the closest bearings and insures the perfect lubrication that is essential to the free spinning of the bowl and the complete separation of cream from milk. It lessens the driving effort and lengthens the life of your separator. One gallon cans. All dealers. Or write to

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When figuring on that new house do not overlook the interior finish Ask for Sackett Plaster Board

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days free rial if sired. ind box evolving stand or attach of disc , includ-elections choice. WN lly nes and other not pay end you m \$2.50 s repre n guarsterious ifferent fit any Hear cockfor de-Edison. cords it any linute ctions, oulded 33.10. selec--hand chines hines \$50.00 EC. Can erts

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Her Baby Nearly Died. WAS TAKEN SICK WITH Dysentery.

August 31, 1910

Mrs. Chas. Farrell, Oakland, Man., writes:-"'My dear baby was taken sick last fall, and we got the doctor and he said she had dysentery. She nearly died with it, but two or three doses of Dr. Fowler's Extract of Wild Strawberry completely cured her.

"My two little boys got a bad case of

diarrhoea and two doses made a wonderful change and they were completely cured also. I would not be without such a grand medicine as Dr. Fowler's Extract of Wild Strawberry if it were twice the price, as I consider it a wonderful medicine, and I cannot recommend it too highly."

Dr. Fowler's Extract of Wild Strawberry has been on the market for over cixty-five years, so you are not experimenting when you use this old and tried remedy.

Do not accept any of the many sub. stitutes for this sterling medicine, but ask for Dr. Fowler's and insist on getting what you ask for. Price 35 cents.

Manufactured only by The T. Milburg Co., Limited, Toronto, Ont.

Never without a Bottle 36 James St., South Hamilton, Ont. July 19th, 1909 We are never without a bottle of your Spavin Cure in our stable, as KENDALL'S we believe it the best on the market and have cured several Spavins EANIN CLIRF! with it." J. Irwin Van Fleet, Kendall's Spavin Cure in the certain, quick cure for Spavin, Ringbone, Splint, Curb, Swollen Joints, Cuts, Sprains and other Lameness. Keep it handy mergencies. The best home liniment. a bottle-6 for \$5.-at all dealers. Ask for "A or write us. Dr. B. J. KENDALL CO., Enosburg Falls, Vt.

SAVE-THE-HORSE SPAVIN CURE

FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG



27, the tomatoes were bigger than hens' He always keeps seed from the first large smooth fruit that ripens.

The annual report of the Canadian Forestry Association for the current year (1910) has just been issued, and is now being mailed to members of the association. In addition to a report of the business meeting of the association, a full report of the convention held in Fredericton, N. B., in February last, is contained in the volume. All papers read are given in full, and much of the ensuing discussion as well. Much valuable information is contained in regard to the protection of the forest from fire, the wood-pulp industry, the education of professional foresters or forest engineers, and many other aspects of forestry, especially in Eastern anada. Requests for copies of the report should be addressed to James Lawler, secretary Canadian Forestry Association, Ottawa, Ont.

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

1293



MILK FEVER OUTFITS, Dehorn-

ers. Test Syphons, Slitters, Dil-ators, Etc. Received Only Award World's Fairs, Chicago, St. Leuis Write for Illustrated Catalogue.

An excellent lawn or garden roller may be made of a length of glazed tile, say two feet in diameter, filled with concrete. Before filling, fix in the center of the tile a piece of inch-and-a-quarter gas pipe, allowing the ends to project two or three inches from each end of the tile, to which an iron handle may be attached. Any blacksmith can make the handle, at small cost. Fill the cylinder with small stones, and pour in a mortar composed of one part cement to six parts sand, thoroughly mixed and then made so thin with water that it will fill all the spaces between the stones. When the cement has become hard and dry, one will have a cheap and handy implement with which to roll his beds after planting.

CANADIAN NATIONAL APPLE SHOW

The manager of the National Apple Show to be held at Vancouver, October 31 to November 5, is touring the East in the interests of the exhibition and to encourage Eastern fruit growers to send exhibits.

Speaking of the prospects of the show, the manager says:

"We expect to have on exhibition about 15,000 boxes and barrels, covering floor space of about 100,000 square feet.

OLDS,

ALBERTA

ANSTONE & ROGERS Importers and Breeders Of

> Clydesdales, Percherons and Hackneys

We expect to land three carloads of imported stallions and mares here about August 15.

Among them are some choice Clydesdale colts, two years old, and a number of choice Clydesdale fillies, two and three years old, particulars of which will appear in the next issue. We have Percheron and Belgian

stallions, one yearling Belgian stallion weighing over 1600 lbs.

We have the two-year-old Belgian stallion that won the state medal in his class this year, and also the winners in the yearling, two-year-old and three-year-old classes for Belgian mares, the latter mare winning the grand championship for best mare, any draft breed.

If you want a good one write, or, better still, come and see them. **VANSTONE & ROGERS**

JAS. BROOKS, Manager, Vegreville, Alta.

Head Office and Stables, WAWANESA. Manitoba

Mention the Farmer's Advocate when Answering Ads.

There is no case so old or bad that we will not guarantee Fleming's

YAUSSWANN & DUWN CO., 392 S Clark St., Chicago

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Instruction of the transmission, its special attention to the treatment of lemishes. Durably bound, indexed and lustrated. Make a right beginning by mading for this book.

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ARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

The oldest Insurance Office in the world FOUNDED A.D. 1710 **BI-CENTENARY 1910 HOME OFFICE: LONDON, ENGLAND** Canadian Branch, Sun Building, Toronto, H. M. Blackburn, Managen, AGENTS WANTED IN UNREPRESENTED

NOTICE TO IMPORTERS

GLENALMOND SCOTCH SHORTHORNS

C. F. LYALL

80-HERD NUNBERS EIGHTY HEAD-80

Sensational Offerings—Young bulls of various ages from my best stock. Young cows and heifers of breeding age. My stock bull, Baron's Voucher, imported. This bull is of grand breeding merit and a sure stock-getter. Correspondence solicited. Inspection invited.

-

SUMMER HILL OXFORDS

Their quality is undoubted. We have the best that time and experience can produce. We have seven hundred to select from. We are the founders of the first flock of Oxfords in America and have sold more Ox fords than all other breeders in Canada combined. Our new importation of fifty head will arrive July 30th. We are fitting one hundred head for exhibition this season and will exhibit at the leading shows this year. See our exhibit at Winnipeg, Brandon and Regina. For particulars and prices

HOLSTEINS

for sale at bargain prices for the next thirty

days. Have one sire ready for service from

fine milking strain. Home of Wild Rose Jones, 2nd Piebe, the only cow in Western

Canada with an official record of 30 lbs. of

butter in 7 days. Write us for quotations.

Have two or three highly bred bull calves

write to PETER ARKELL & SONS, TEESWATER, ONT.

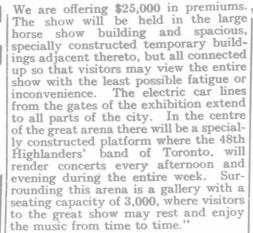
Of Belgian, Percheron, French and German Coach stallions and mares.

H. Vanlandeghem & Sons

Commission Agents and Interpreters, Iseghem, Belgium, and Nogent-Le-Rotrou, Percheron District, Eure & Loire, France.

REFERENCE: Bank DeLaere, Iseghem, Bel-gium. We meet importers at any port of Belgium or France and act as interpreters in the draft and coach horse districts. We can save you money. Can furnish you with full information about shipping, pedigrees, etc.

STROME, ALTA.



CAULIFLOWERS SELL BETTER WHEN A GOOD CLEAN COLOR

The common practice among those who cater to a high class trade is to tie the tips of the leaves loosely over the



the top of the head. The illustration shows how N. M. Ross does it on the Forestry Farm at Indian Head.

STRAWBERRIES IN BRITISH COLUMBIA

At Mission Junction on the Fraser River small fruits are grown in large quantities, strawberries being pre-dominant, 8,000 crates of these being the output this year. At this point I learn the most profitable strawberry is the Dunlop, which is grown in the matted row system, producing a heavy crop of medium-sized berries. I like my plan best, however, as it produces berries of phenomenal size, the best varieties being, to my mind, Gladstone and Magoon, both large, firm berries, the first being an English variety of very fine flavor.

I prepared the bed by manuring well, and then plowing up a red clover sod, upon which I grew potatoes, the soil being a sandy loam. This crop of potatoes worked up the soil, got rid where. If, however, the weeds are of white grubs, and checked all weeds, still under control, another ring of thereby saving much labor. In spring plants, six inches from the parents, I set out my runners: a single plant in each hill, the hills four feet apart before from the runners and another each way. All flower buds are removed the first season, and six runners allowed to form an important matter where land is to each root, the original roots being limited. I believe a greater weight strong, and throwing several crowns. of higher-priced berries can be raised Only the first plant on each of these in this way per acre than by any other six runners is allowed to grow, being held down in place by a stone six inches from the parent plant and six inches from each other around the plant From this on, all runners are stopped forming; the plants root well, and the next season bear specimen berries. Horse cultivation both ways keeps down weeds, so that only the hills have to be hand weeded. Chopped straw or grass clippings are used as a mulch between the rows, applied just before the flowers open. This mulch retains moisture, keeps down weeds, keeps the berries clean and, finally, gives a good mass of humus when plowed, or rather cultivated under in the fall. A one-inch tooth single-horse cultivator is the best tool to use all the time on such a bed. By this method of growing and cultivation we get extra large berries the first season, large berries the second and commercial berries the third, by which time, if the weeds have become unpleasantly thick, the whole bed is

SHARP KNIFE-LIKE PAINS Would Go Through Heart

Founded 1866

and the second

Thousands of people go about their daily work on the verge of death and yet don't know it.

Every once in a while a pain will seem to shoot through the heart but little attention is paid to it at the time, and it is only when a violent shock comes that the weakness of the heart is apparent.

There is only one cure and that in MILBURN'S HEART AND NERVE PILLS.

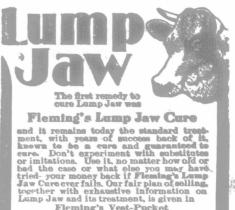
Mrs. J. E. Nixon, Riverview, Ont. Mrs. J. E. Nixon, Riverview, Ont., write.:--"Two years ago I suffered with a bad pain around my heart. At times it would almost stop beating and then, a sharp knife-like pain would seem to go through it. As I had heard Milburn's Heart and Nerve Pills were a grand remedy for the heart, I sent and got two boxes of them, and when I had only used a box and a half I was entirely free from nain." from pain."

Milburn's Heart and Nerve Pills are 50c per box, or 3 boxes for \$1.25, at all dealers or will be mailed direct on receipt of price by The T. Milburn Co., Limited, Toronto, Ont.

LAMENESS from a Bone Spavin, Ring Bone, Splint, Curb, Side Bone or simi-lar trouble can be stopped with



Full directions in pamphles with each bostle, \$2.00 a bottle at dealers or delivered. A itSOI:BINE, JR., for mankind, \$1 a bottle, removes Painful Swellings, En-larged Glands, Gottre, Wens, Bruisse, Vari cose Veins. Variecosities, Old Sores, Allays Pain, W. F. YOUNG, P.B.F., 248 Temple St., Springlield, Mass. LYARS Ltd., Bostreal, Casedian Arcents. Also firmished by Martin Bole & Wyme Co., Winnies; The Hational Brug & Chemical Co., Winnies; God Commission and Henderson Brus, Co. Ltd., Vancouver



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We have covered the big fairs in the West and animals from our



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herd won most of the prizes at Calgary, Winnineg and Regina. We have a full line of COWS, HEIFERS and BULLS. Reliable BUTTER-BRED STOCK for sale.

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HEAVY DRAFT BREEDING HORSES

SHIRES, CLYDESDALES

I can supply first-class stallions and mares of the above breeds to farmers who need them.

If you will notify me I will meet you at the station, or if you prefer, go to Cochrane's barn and you will be driven to Oak Lawns Farm, free of charge.

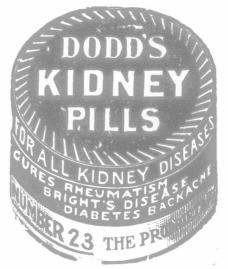
JOHN STOTT

The Advocate is the Best Advertising Medium

and six inches apart, can be set out as crop of big berries gathered from these Thus one bed may last for several years, system

B.C.

W. J. L. HAMILTON.



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Study the Figures and Learn why

Case Steam Engines at 1910 Winnipeg Motor Contest WON HIGHEST POINTS IN ALL CLASSES

The following are actual results that should interest YOU

	Coal Used Per Horse Power Hr. In 2-Hr. B. Test		Acres Plowed Per Hour	Draw-Bar Horse-Power Hour Delivered	Coal Used Per Draw-Bar H.P. Hour	Water Used Per Acre Gallons	Coal Used Per Acre Pounds	Total Points Allowed by Judges (Pos. 400)
ENTRY No. 13	4.16	6.06	2.14	34.74	9.12	136.7	147.2	269.3
CASE 75 H.P. No. 14	3.58	20.17	2.93	47.34	7.47	92.6	120.6	297.0
ENTRY No. 15	3.62	12.16	3.63	65.36	8.34	107.6	149.6	291.9
ENTRY No. 17	4.06	24.07	3.79	56.08	8.17	93.22	120.8	280.8
CASE 110 H.P. No. 16	3.04	33.08	3.99	74.92	5.29	82.01	99.2	356.1

The above figures show conclusively that

Case Engines are unapproachable in

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No matter where you wish to locate, we can build you a substantial, artistic, comfortable house, built to your own order, tell you exactly what date you can move into it and save you from 25 per cent. to 40 per cent. on any builder's lowest price.

This means that for a house for which an ordinary contractor would charge you, say \$800, we will save you at least \$200; on a \$1500 house we will save you at least \$375, or on a \$2500 we will save you at least \$600. Will you give us an opportunity to prove this?

Our houses are built wholesale by machinery---the materials are of the very finest quality and the workmanship the best in Canada---we will give you a legal binding guarantee to that effect They are really ready---built houses---carefully constructed from designs and specifications prepared by one of the best qualified architects in this country.

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We have a splendid proposition. Write for details quickly.

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