## Tormers Advocate and Heme Joornal

## WESTERN CANADA'S AGRICULTURAL WEEKLY

## This Is The <br> Story Of How The Capital Saves Your Time And Saves Itself

 E SECRET of any separator's ally, 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 faste than others, but no hollow-bowl machine - n machine that uses pertorated cones, regardless of their size or min er ean separae whol milk without again re-mixing and reseparating it, over a

I
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 lighte contents- the butterfat-is forced 1 y 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
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 wa
And incidentally,
five times the aver
saving feature of
hande, an ingeni
ote cleaned wit
the milk to hard
Remember,
Think of the,
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$\begin{array}{ll}\text { T. M. Daly, K. C. } & \text { R. W. McClure } \\ \text { W. M. Crichton } & \text { E. A. Cohen }\end{array}$ DALY, GRICHTOH \& MCLLURE

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we say, "Robin Hood Flour is Different."

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# Farmer's Advocate 

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## Farmer's Advocate <br> HOME JOURNAL

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## EDITORIAL

## Look After the Straw

Look After the Straw
Reports indicate a shortage in the hay of the city, as well as to the fields and highReports indicate a shortage in the hay of the city, as well a
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 posquoted 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 spare. Hence they will find a great advan- noble animal. 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 When the grain is threshed, a little care will preserve the straw in good condition for fodder

## Motor Contests

The interest taken in the motor contests at Winnipeg for three years past is sufficient to warrant the exhibition management in continuing this feature. Crowds gazed upon these tests, where none but skilled engineers while only a smal percentage of the arable what was going on save that it was a " brake cultivation.
test." Hundreds also made their way seven Naturally, there are differences in opinion miles or more into the country to see these as to what conditions warrant the purchase of engines demonstrate their abilities to turn a traction engine. However, it has bee 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 pumped practically every drop of moisture. section of land or more can find good use for country.

## The engines did their work, and the crowd this form of power. In the breaking of virgin

 said it was wonderful.It has been amply shown that motor contests are an attractive feature. They also it can as much work as several men and serve well as an advertisement for Winnipeg four-horse teams-and do it well. . and Western Canada. There is scarcely a There is a great future ahead of the engine
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. make it necessary to adopt the engine. The

## Banish the Horse!

A recent issue of Popular Electricity says
There is absolutely no reason why horses should be allowed within the city limits, for betwoen 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

Traction Engines in the West
So great has been the increase in demand for traction engines in the Canadian West have the past five years that manufacturen A strong for the future of this form of power is the eagerness of the manufacturers to introduce their engines and keep them before the people They realize that it is well to establish a reputation while the country is young and while only a small percentage of the arable the prairie parts of Canada are under
make it necessary to adopt the engine. The
individual will have to make a selection from steam, gasoline, kerosene and other forms that are offered.

## 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 given over to farming.
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
$\square$
The lesson is, then, for those who have stock or are in position to prepare stock for the 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 f 1910 in the four Western provinces of Canda are numerous enough to furnish after a few years an increased population of over 100,000 eople, figuring an average of five to a family. he entries reached 23,354 , over 10,000 more for the same months a year ago. This

A study of the figures that make up the otal is interesting. By provinces, the enwere: Manitoba, 1,120; Saskatche02. The question naturally arises: Why 102. The question naturally arises: Why
should Manitoba entries be so low, compared
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 seems to be two prairie provinces? This shape deserves a diet of bread and water with to fork for for for intion of dash races for作
eas other the impression has gone abroad that Manitoba, being the older prov- conditions. Every family should have vege 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.

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 taken by those in charge to see that prospec tive homesteaders know particulars about Manitoba as well as about sister province to the west.

## MY OPINION ON SOME MATTERS NUMBER 11

 ME THINK OF EASTERN HOMESAs I have gone about this last few weeks I cannot but feel sorry for the hundreds of farm ers in all parts of the Canadian West who have been satisfied with their lot without a nice get something fresh might go every day and lor 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 ye 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 die is essential to keeping the system of man or seast in proper order.
I recognize the fact that in order to grow a great variety of vegetables and fruits a wind break is needed-or, better, a shelter belt But 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 given half a chance Think of the fancy dishes of radish, lettuce onions, beets, carrots, parsnips, turnips, cab bage 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 the year Plant a windbreal a great part of the year. Plant a windbreak, add manure and
take foưr times this area and you will be surprised at the tasty messes provided. leave a small area free from grain Noubl is made for garden until it is near time provision was made at planting, and then there is something else to do. Overcome this within the setting stakes. Then get busy and add a good coat of manure and plow. If seed is put in with any degree of intelligence next spring you will not be sorry for your pains.
There are others who would have a garden if it required no attention. They are satisfied to put in seed, but they object to fighting weed with a hoe or by hand pulling. They have spent too many years growing wheat and other crops where hand pulling is of little requil. If there are children of ten years or over in the home this is easily overcome. Nature has so constructed the youngsters that they delight in doing this kind of work. If older people do
not spoil them in their early vears they will do not spoil them in their early years they will do most of the weeding, because it is a pleasure to
them. I know there is much work on the farm them. I know there is much work on the farm
for all who are of a working age, but the man for all who are of a working age, but the man
who cannot allow his children frecdom from
other dutios in order to have his

## HORSE

Do We Need Laws Regulating The Public Service of Stallions

Do you consider that the present laws govern ing the licensing of stallions for public servic are stringent enough ? Would it be advisable to have laws disqualifying for public service stallions with hereditary unsoundnesses, making it compulsory for stallion owners to have their horses examined each year, and requiring that a certificate, good for one year, describing the stallion's breeding and testifying as to his soundness, be issued by the provincial departments of agriculture, without which certificate or license
no stallion could stand for public service? no stallion could stand for public service?
This question will be discussed in these columns This question will be discussed in these columns

 time time it is requested that orse bree requested that those interested in shoe then put on and orse breeding and in the use of sound, pure-bred shoe then put on and the animal sent at once tor sires, as well as those who believe our present gettingin and a festering ortunity afforded of grit laws adequate, will contribute their opiniens a the basis on which public sentim meat rite down what you think and send it in.

Do Our Thoroughbreds Lack Stamina of antimony ppling, or compound tincture of myrr applied, and a day or two allowed for a film new horn to form. If the parts can be left ex An English turf authority asserts that the character and harder than grows of a heaithie Thoroughbreds of America lack stamina and have then a choice of cvils ir covered, and we are unable to compete with English horses risk of bruising by a cvis between the greate in long-distance races. Lack of ability to stay by balling on clay soils. stone on the road is to be expected in the American Thoroughbred. of covering up with a leather which will pan If it has not come, it will come as a natural and from outside injury while hindering will proted inevitable result of our system of testing these tion which makes for hardness and heathy horses in races. Our Thoroughbreds are raced Under a leather we can over short distances, most races less than a mile dipped in tar ointment. It needs more freand a few over that. Turf supremacy here quent renewal than most horse owners are willing means ability to go fast over a short course, and to afford. With a corn on the inside of the the policy is to breed to the winners. Ulti- foot and the horse a close goer who would brush mately the breed will be adapted to the purpose if allowed a shoe that was the lenst over, we can for which it is most useful, and the racing policy not do as we would with a wide-chested animal pursued must result in a breed of horses that are with feet well apart. With the latter we may bullt to run fast for a short distance, rather than keep outside to some extent and ensure weigh to stay. When our public tests called for heat bearing solely upon the crust for a longer time Thoroushbreds weats of more than a mile, out are today. Breeding for sprinters will never does do the is what a lad-off shoe generall

## STOCM

## Why Not More Sheep？

Before the days of the American tariff on sheep and wool a flourishing business was done freep from seven and a half to ten dollars．A spring will eventually find himself the possessor of sows sheep through the greater part of Eastern Can－at 90 to 100 pounds，for five or six cents a pound，stock．－Pror．D．A．Gaumnitz 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
trade；but on the farms of the mutton－producer，produce trade；but on the farms of the mutton－producer，produced by most sheep will pay for their keep．bctter if kept by himself．He should even the old sheep shed has disappeared；farm－They are worth much as gleeners；they are be kept in a comfortable pen，with a lot or pasture 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－ 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 ret．
and wear factory－knit stockings and mittens．It was not always so．
It is ot well that the sheep have gone from so many of our farms．They are splendid gleaners；at least eighty per cent．of the weeds in a pasture will be eradicated by sheep，very few weeds seeds，if any，escaping destruc－ tion．They get much in a pasture that all other stock refuse．In winter，they are splendid consumers of coarse rough－ ages，as pea straw，and barley and
oat straw．They do not demand oat straw．They do not demand
painstaking care，save at yeaning painstaking care，save at yeaning
time．Thus，they are a sort of in－ expensive 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 conomic reason．but they are inadequate The cur dog is a nuisance：sheep surely will go through poorly－built wire fen－ ces，if large flocks are maintained on small pastures；other stock prefer not
 ritious food，which means something more than dry corn with an occasional manent diluted dish－water．The per with a view to furnish sunlight，exer cise，dry warmth and cleanliness． These should be so located that the sows may be conveniently brough to him for service．

Rommel has compiled from records of the Poland－China and Duroc－Jerse 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 repre sentative．Observations of 14，703 Poland－China litters in the five years， 188286 inclusive，disclosed an aver age 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．Thimewas 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 ${ }_{3} .762$ 1897 inclusive， 3,762 Duroc－Jersey sows averaged 9.22 pigs each．From
1898 to 1902 inclusive 17890 1898 to 1902 inclusive， 17,890 Duroc－ to graze after sheep；but these reasons
 Jersey sows averaged 9.27 pigs each or an increase of .054 per cent．Of the are insufficient．If sheep were paying would not ply to farms ，they are a did formerly they wold to have about reported as under observations 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 have been thus abandoned．When sheep were in the farm－home，and they dill pay，and pay well farrowed
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 guid－ ing star，and pork－production oscillated then as now．Now dairying and beefmaking are con－

The Brood Sow sidered more reliably profitable；pork production from the chosen for breeding should be selected also returns bigger profits and the trade is more in the farmer＇s neighborhocd．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 dropped in the spring are retained all summer with a litter of eight at a time，regular in her farm are obtained from men engaged in actual and sold in the fall or early winter，when they are coming in season，a good nurse and a good the＂Topis fro farmer s Advocate has adopted not especially desired．There is not a sufficient mother，it is altogether probable that she has our readers may see an column，in ord thannel through profit in the business，handled after this fashion，inherited these qualities．An active rather than which they may inform their brother farmers隹 conomic reason
sheep in Canada
But there is money， mombs than ever before if the methods of procedure vere adapted to the pres ent demands．What is wanted particularly is lamb，not mutton．The narket wants Christmas amb，Easter lamb，spring amb，early summerlamb． This trade is almost as asily met，and is highly profitable．The producer nust plan his crop for the market he wishes to suit． If for Christmas and the rost－Christmas trade the must be fall lambs ；for Caster，they must be anuary lambs，and soon， That misses for Ja most as good a mar－
t．But always the lambs

## FARM

## Topics for Discussion

In recognition of the fact that valuable hint

JWior champion shorthor．bull at winnipeg and brandon
This Stock Bull．Boquhan Hero．owned by Sir Wm．C．Van Horne．was a popular winner

that prove unprofitable． Not only do we wish our readers to discuss the various we desire that they sug－ gest practical subjects on which it would be well to have discussion．
This notice appears un der the＂Farm＂depart ment，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 $\$ 2.00$ awarde each week．Other letters used will be paid for a reg September 7 Gives． September 7－Give sug $^{-}$
gestions on exhibiting filed
 two can be brought 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


$\qquad$

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
suggest on collection of specimens and their preparation at the show table?
September 14.-Give suggestions on preparing poultry for market. Discuss specifically the fitting and marketing of old birds and this year's stock.
September 21.-What is the best means of tying cattle in the stable? Would you advise a man building a
ions or chains?
September 28.-Do you consider that a duty on wool would be in the interests of sheep-raisers? Do you think that a reasonable import duty on

The Farm Library
Two letters are published below in answer to the question for discussion in this issue "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 a fair collection of books on agriculture and farm
subjects generally. My own collection consists
many parts of the canadian west have a bumper crop of wheat
of some bulletins issued by our own and the American department of agriculture, experimen tal farm reports and clippings from agricultural papers. In addition to these I have a few general works, first of which are the two excellent volumes Clyclopedia of Agriculture and Clyclopedia of Livestock, edited by Wilcox and Smith and com-
piled from experimental data gathered from piled from experimental data gathered from the various stations of United States, Canada
and Europe. Both I consider invaluable works. and Europe. Both I consider invaluable works thave two very good veterinary works, one of advertised in your paper; a work dealing with the the breeds, history, management and training of linger's "Book on Wheat," Campbell's book on "Dry Farming," and an odd work or two dealin with general farm subjects. These general farm with general farm subjects. These general farm
books, however, are not much use. From this books, however, are not much use. From this
on I intend, in adding to my collection, to get books dealing with special subjects, for in these books dealing with special subjects, for in these
days a man needs to know more about certain particular departments of his business than can
Good stock books, also treating of the various The most valuable part of my collection of breeds of farm animals, and their care in ever 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 us,urp 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 and ten inches long. These are kept in paste- amiss. Probably in this connection a book on piles of all the papers were kept and the matter dug from them as required.
nera buch books as s wh to read. These need not be enumerated, to others. A man should gather about him some
 linations will decide.
More important than books in these days he current literature that comes into the home. A farmer should subscribe to a good magazine or can reach the postoffice every day, a weekly two and his local papers. These, without mentioning the farm papers, of which one at least should e taken and several if a man has time to read them, or if the members of his family find inerest therein. I have yet to find the farmer who hasn't time to read a whole lot more than he
does. The trouble with most of us is that we do read enough.
W. C. Graham.
 What to Read

Eitor Farmer's Advocat
If a young man, at the beginning of his in dependent life, finds that he has need of more a boy of obtaining, he need not despair. If he can read even a little, it is in his power, and will e greatly to his advantage to spend his spare ime in mastering various branches of book earning. He should have a fair understanding of the English language, so that he can read any ook intelligently. He should have a thorough nowledge of elementary arithmetic, for that For is so useful in every branch of farming rithmetic a reference he should have a good ness forms, a book on mensuration, agricultura orks, dealing with soils and their treatmer tation of crops, conservation of moisture, ant uch subjects should be found in the ture, and eeds need careful study found in the library
contrivances,". "buildings," "diseases of hogs," the bulletins and reports issued from time to "bees," "buttermaking,""'farm houses," "horses." time by the government and by agricultura "cattle," "poultry," ""engines," "machinery," and horticultural societies, poultry associations grains, crop data, etc. I find them con- and the breeding associations, will be found enient to refer to and handier to get at than if beneficial. These reports and bulletins read in

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France
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Canada..
Canada
Italy
Gpan
Argentina telligently, and the information obtained from them used with an equal quantity of good, sound dividual uses, will help sense, applied to specia hings. In many cases information obtained rom bulletins is more easily read and more prac tical, and therefore better suited to the average farmer's time and ability to assimilate than more exhaustive works.
Periodicals must not be neglected. As many good agricultural papers should be subscribed for as the farmer thinks he can afford and make use of. One or two newspapers, giving the news of the world and of the province in which he selection should be taken. I would recommend the with a violent discussion of party politics. There is a vast difference between a statesmanlike disussion of the needs of a country and the back biting and quarrelling between parties.

In conclusion, I would say that money spent in good books, whether scientific works, story kind is noetical works, or good literature of any not 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 or their standing amongst the good literature of the world
$\qquad$ E. Dow.

## 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 hreshing is in delay than in stook threshing and one has the threshing fild a shorter time to provide for. I have seen illds covered with stoo Morever reeze-up.
Moreover, I can see that if help is scarce, one ing with neighbors in order to take whe ing with neighbors in order to take off a large crop. I cannot speak from result of my own ob the grain said to improvement in the grade of I frequently see wheat that thes prizes in competition from stook-threshed prizes in strong 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 Altay not have been due to the stacking.

## Wheat Yields

A reader asks for the leat-producing countries for the last two years. ere are figures given in a recent issue of Census
$\qquad$
$\qquad$ Bushels 568,713,494 648,510,328 317,602,964 204,065,358 204,065,358 112,434,000 154,199,584 120,316,725 $138,742,214$ $156,515,669$

August 31, 1910
Farmer's advocate and home journal, winnipei

## results of recent big motor contest

TW AS the great motor contest held under tractors: Class A, 20-brake horse power and Following are the official awards and scores a ${ }^{\text {s }}$ 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 $C$, standpoint of creating an interest in steam tractors; Class D, 60-brake horse power and un- Class and gasoline power, yes. From the der; Class E, 60 to 90 -brake horse power; Class A. International Harvester Co., 15 H.P. standpoint of pleasing all competitors, $F, 90$-brake horse power and over. There were no. But was there ever a great com- 18 entries as follows:

the "flour city," winner of gold medal, 1908-9
petition for prizes in which all the contestants Internatipnal Harvester Co., one 15 horse powwere 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, reated 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 judges would have handed out different plain? 30 ho, one 20 horse power stea 1 ractor and judges would have ha ded 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 kas tractor, M. Rumiey Co., one 23 eases simply because the groom was experienced horse power kerosene tractor (the Oil Pull) and解 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-tractor, one 25 horse power steam tractor and 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 tractor from the performances of the engines under test. power gas tractor; Kinnard Haines Co one 40 There are however the performer ind 40 of maximum brake horse power development 22 horse power gas tractor Motor Plow Co. the shrewd engineer who understands his business can win points for his engine. And can you blame. Before the tests on the brake were completed him? Those who are personally acquainted with cligible 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.
indicated.
But after all is not too great prominence given
Here is the score sheet used by the judges: to the making of points on the elaborate schedule mapped out for each engine? What the prairie mapped wat for por hours per unit of fuel..... 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 palm off a 15 horse power engine as a 25 horse Horse power hours per 100 gallons water. 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 Agriculture Saskato Manitoba Agricultural College, Winnipeg were the engineers in charge The judges were: Wm he engineers in charge. Ahe judges wer C P R Prof. J. B. Davidson, professor of farm mechanics, Prof. J. B. Davidson, professor of farm mechanicss
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 banks Co. Prof H H Musselman, of the Michigan Agricultural College, and A. C. Frith, of the gan Agricultural College, and A. C. Frith, of the College also assisted in various details of the worke also assisted thas ar
The actual plowing tests were judged by Angus McKay, superintendent of the Indian Head Exrerimental Farm; James Murray, superintendent S. A. Bedford, of Manitoba Agricultural College. The slasses designated were as follows: Gas

Fuel per draw bar plow TEST 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.

goold, shapley \& milit's 45 brake onsoline megine pulling 6 purbow Avery Tractor ......... Goold, Shapley \& Muir Co., 20 H.P.
Goold, Shapley \& Muir
329.3
$\qquad$
but developed 34.15 H.P., conseBirrell Motor did not complete tests. $\begin{array}{ll}\text { Gas Tractor, Minneapolis............ } & 354.4 \\ \text { International Harvester........... } & 350.1 \\ \text { Gas Tractor, Winnipeg ............ } & 334.0\end{array}$ $\begin{array}{ll}\text { Gas Tractor, Minneapolis. ............ } & 354.4 \\ \text { International Harvester........... } & 350.1 \\ \text { Gas Tractor, Winnipeg. ............ } & 334.0\end{array}$ Gas Tractor, Winnipeg 334.0 Kinnard-Haines did not complete plowing test.
D. I. I. Case . I. I. Case .

Avery scored 269.3 and Case
developed over the 90 H.P., consequently were disqualified for this
F. J. I. Case

Avery Co.
Rumley C
356.1

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

Class A, under 20 b. h.p.Int. Harv. Co. Avery Mfg. Co

| Speci- |  |
| :---: | :---: |
| $\begin{array}{c}\text { fied } \\ \text { Brake }\end{array}$ | $\begin{array}{c}\text { Eocn- } \\ \text { omy } \\ \text { Load }\end{array}$ |

Maxi-
Moad
Load
18
$36-14.10 \quad 15.5$
ass B, 21 to 30 b. h.p.Int. Harv. Co. . . . . . . . Birrell Motor Plow Co Goold, Shapley \& Muir
$\begin{array}{lll}23 & 22.11 & 22.6\end{array}$
ss C, over 30 b. h.p.Gas Traction Co., Wpg. Goold, Shapley \& Muir Int. Harv. Co. . ...... Gas Traction Co., Minneapolis
Rumley
lass D, (
and under-
J. I. Case

100 Class E, 60 to 90 H.P.
Avery Co.
I. I. Case
10 Class F, over 90 H.P Avery Co. ......... 90
$90 \quad 97.08 \quad 124.4$ $\begin{array}{llrl}\text { R.I. Case } . \cdots . . . . . . . . & 110 & 98.61 & 129.0\end{array}$ It should be noted that the Goold, Shapley \& Muir engine in Class B and the Avery and Case 0 engines in Class E developed so much power as 0 to throw them out of their classes, and, there0 fore disqualify them. These engines, while on 0 the economy test for two hours, ran nicely within the limit, but on the half-hour run to ascertain 5 their maximum capacities it was found that they
could develop considerably more. This is one point that, caused trouble in the contest. The 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
handing engines are for skilled engineers to solve．The table furnished by the experts in charge of the contest indicates that gasoline en gines at least can do economical work at or nea their maximum brake horse－power．In case en gines 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 yeà it was considered wise to do away with the hauling test so that when all was com－ pleted 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 fo the chief test that appealed to the practical man Great crowds visited this field on the two dzys of the test to see what the engines could do． All were convinced that for large areas at leas and for breaking tough sod the traction engin provides ideal power．Lach engime was anotted powe

The contest was not without mishaps．A few ngines fell down．Stoekmen knaps．A rew choice animals going sick at the critical moment and not being able to do what they are called As has been noted some had been knocked out f their class for developing been knock out The Rumley $\mathrm{C}_{0}$ ．and the Hart－Parr Co withdrew heir engines that used a cheap grade of kerosere， their engines that used a cheap grade of kerosere， 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 Com factory in Winnipeg．The steam engines were obliged to cease operations once or twice on ac－ count of lack of water．However，they com pleted their work．
The results of the various tests show that American manufacturers have not much of a lead on Canadian－made engines．It was demon－ strated that all are capable of doing good work Details given in the table showing engine data，two test give those interested an opportunity of com－ paring the work done by the contestants．
These motor contests have been of great educa tional value．It has not been de monstrated that any one engine is inferior．Low scores have developed where there were mishaps，but it
does not require a serious deficiency or miscal－ culation on the part of the operators to or miscal gin of a few points in a total of 400 ．
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 whate ver attracts the attention creases the business of all．It is to be hoped If more features of a practical nature can be in－ troduced so much the better．To the lay－farmer
there are other things besides brake tests and plowing prairie sod that are interesing when en－ thing of what an engine can do hatuling disks seeders，harrows in the field
management and the men plac

\section*{ $\stackrel{\rightharpoonup}{W}$ <br> $\stackrel{\pi}{\pi}$ <br> EO <br> छ <br> $\stackrel{0}{\circ}$ <br> $\underset{\Xi}{\Xi}$ <br> ont <br> to <br> د甲 <br> 

## 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 plowing, the selection of equipment, engines use a wide variety of fuels with little of both steam and gasoline tractors has been re, point. Plows for this work are in a difference in efficiency and are consequently less markable and that the concentration of capital ma in satisfactory and, being confined to Aside from the foregoing of supply. and thought upon the problem of supplying解 comparatively few makes, are more easily in- essentials are practically the same for both types. more rapid progress in the next decade. Whe vestigated. How in the a prime feature of a successful it is considered that during the long era of de growing number of traction engines offered for farm motor. This applies particularly to frame velopment of farm machinery no radical im sale makes selection difficult. Lo be practicable and traction gearing. The latter should be of provement has been eifected in the animal as 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 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 im minent. 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, to gether with.their comparatively short life and the gether with.their comparatively short life and the
short time they are used each year few better investments can be made by yoar, fle bette of providing adequate shelter. Before bind and 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 en while 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 breakare 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 over a source of motive power this 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 de and 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 more limited the sphere of usefulness. A larger The traction wheel is a fundamental point. ten what the machine most needed. The result 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 as threshing, hauling, disking, harrowing, seeding, gine. The wheel must be either wide enough or to reveal anything, and brought out into the 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 thei 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 tive pull a larger percentage of the power actually developed than can steam tractors. A greate weight of supplies must be carried by steam en- high enough to support the wtight of the engire 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 rensive process of supplying water is reduced to Great loss of power may occur in this simple point time is more plentiful.
lass convert into work a much greater proportion dependent pedals are being developed, with a Every successful and progressive farmer in if the thermal units in fuel than do steam $\in \mathrm{n}$ hres, but present types are iestricted in the kinds

## DAIRY

## Mirking 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 soap and water. Both the hands and clothes of mistake which is often made is co lean. A great mistake which is often made is to lean the head
and weight of the milker's body against the cow. Abstraction of the milk from the the cow. Abstraction of the milk from the udder dequeeze with the fingers, starting from the top 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 believe),that the fat in the milk makes the hands 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 to milk production and fed liberally.
can be raised at home, which always the feed can be raised at home, which always lessens 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 of some 240 days.
The amount of silage necessary for 10 cows for the given period, allowing an average feed $\hat{i} 40$ pounds to each cow per day. would require 48 tons. The average yield of green corn per acre in North Dakota is close to 8 tons. At this rate, 0 acres of corn would furnish 'a sufficient 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 75 c. per ton. Then we may arrive at the actual cost of the feed as follows Cost of raising 6 acres of corn
Cost of harvesting
Cost of harvesting 6 acres of corn..
Total
Cost of silage for 10 cows, 240 dayst Cost of silage for 1 cow, 240 days
Cost of sila ge for 1 cow one day Cost of silage for 1 cow, one day. According to the best authoriti 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 One hundred pounds of silage contains $13 \%$. or 13 pounds of food material, at which rate 4 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 $\$ 12 .{ }^{\text {would cost }}$....................... would cost $\ldots \ldots$............. $\$ 132$
Timothy hay, would require 12 tons at $\$ 18$, Oats would require 11 tons at $\$ 15$, would

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, silage. and Mr. Mackie, of Eburne, taking his place dur-
grain ration ing the month of November, when the heaviest ing the month of
Pounds food Cost work will be done. Buckingham, of Eburne, was
$\mathbf{0}$ pounds prairie hay
oat..
bran
linseed meal
${ }^{23}$ pounds.
Total.
silage ratpon

$\overline{55}$ pounds.
Total.
19.0

The above rations are figured for the average airy cow and each contain practically the same amount of food material. It is noted that here is an actual saving of 6c. per cow per day. With a herd of 10 cows, this represents a saving f 60 c . per day, or for 8 months, the average time a dairy cow would be fed. would mean a saving of $\$ 144$ in cost of grain, or $\$ 14.40$ per [N.S. L. Martin, N. D. Agricultural College. [Note--These interesting figures are supplied 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 wise to select a suitable piece of land on wh
to grow some corn next season.-Editor.]

## B. C. Dairymen Meet

The British Columbia Dairymen's Association held a conference during the, Vancouver exhibito the dairy interests were discussed. Prominent among those was the consideration of an alleged failure on the part of the railway companies 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, as instructed to take the matter up with the officials of the road and ask for similar shipping facilities as are in force upon railroads of Mani-
In connection with the various dairy competiions held in all parts of the province, the asso iation decided to issue gold, silver and bronz medals as awards for the best kept dairies. Ane the farm due to their lower cost to the dairy ther award provided for was a silver cup which men, reducing the following expenses based upon will be corm : risk, taxes, interest and will be competed for yearly until won three times depreciation


FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

## FIELD NOTES

Brandon Horticultural and Forestry Society
The annial exhibition of the Brandon Horticul-
tural and Forestry Society tural and Forestry Society was held last week at
Brandon. The exhibitit of veevetables, flowers and out door plants was a large and creabiestable one one. Vepet at ables were a fine display, potatooes especially. The ox record, showing splendid collections of fow flowers vegetables and fruits. . S. Sanderson, Douphin, had
 were well represented in all lines. The show was the
most sucessful yet held under the auspices of the most successul yet held under th

## Serious Forest Fires

Forest fires have been raging for the past two
weeks in parts of Montana and Idaho. Towns and vilizges have been. wited out, scoras of peopile silled posed to be of incendiary orimin and are the wore that have occurred in the United States in yoars The s.soke cloud drom the ther nited states in years
to have spread hundreds of mines to have spread hundreds of miles from the scene of the eonflagration, ashes falling as far north as the
Canadian boundaries. Troops and fre fighters from
 but their efforts to check the fires were almost with
out avail. Millions of feet of timber have been deout avail
stroyed.

## Saskatchewan Crop Report

The Saskatchewan department of agriculture hav ng graip crops, based on reportstrom croo a orres.
pondents in the various districts corop is estimated various districts. The total grain
coti,212,700 bushels, divided as
foll Wheat

 No reduction in acreage has been madet for the
 will be harvested.
The crop of 1910 is, generally speaking, one that
will be havested economically, as the proportion of
grain tostraw is he grain to to straw isted is high and thealy the grain will beo fop an usual
 throughout the province on August 16 th, the date
 steadily improved during the four weeks $p$. the commencement of harvesting operations
Robert Meighen on W'heat Situation
In Thb Farark's Advocatr of September 9, 1909
was published an interview with Robert Meighen was published an interview with Robert Meighen,
managing director of the Lake of the Woods Miling manaing director of the Lake of the Woods Nilling ompany, in which he advised farmers to sell the
wheat tarefuly and not treak the market predicted then that wheat would sell at thigher pricee
before the spring of 1910 and the forecast was well before the spring of 1910, and the forecast was well
in line with the happenings of the market. Mn Mre Meighen, happenings of the markust 22 , summed up his opinio of the outhook ono the present sumesod and in in pinion of
his position and the close watco that must necessarily be kept on the movement of grain, the opinion
 strong believer that the farmer is at present in the
same, if not in a stronger, position than he was at
at



[^0]thirestied, and rushes it forfiard, having the tendency
to congest the market, unquestionably values will recede fort the time being.
ret I firmly believe that it is armer to strive to deliver ill not necessary for the by his witings. He was the author of the , book ation closes. History will in his wheat belore navi- "Livestoock fudging," used as a. texthook in judging self this season, as it did lost, when the grover the agricultural presss and a t rained stockman.
before. a higher value after close of navigation than

## Weather for July

to, say, the first of March or beginning of April to
hold his entire crop I do not advise the farmer to but would advise moderate deliveries. The uftimate result to him will, in my opinion; be more satisfactory We are short on this continent. The outturn of the of last year's. I believe it is generally admitted that France will be at least 50 millions short for domestie consumption. Instead of being an exporter France 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 are their deliveries they will, in my opinion, receive more satisfactory results later on.

Ontario Fruit Crop Short
According to the report of government inspectors ifty per cent. of what it was last year. The plum year, grapes will be fairly abundant, the peach last 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 smalliness of the crop to the neglect of many farmers in spray-
ing, 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 prevalent in the beginning of the year there will be no peach crop at all. Elbertas and Crawfords, the principal varieties of fall peaches, will be much lighter than last year, when there wats a full crop.
Plums in a great many orchards are
Plums in a great many orchards are reported as 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 be very light. There are prospects of a fair crop of trict 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

## 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. Craig, one of the best known authori Professor Craig died after a very brief illness, his
ath being altogether unexpected.
The late professor was a Canadian by birth an gained his first knowledge of agriculture on this side engaged in ag icultural college work in the Unite States. He was first known to Canadians as edito of the Canadian Livestock Journal, published at Toronto. Severing his connection with that paper he went to the United States and has flled the po sition of professor of animal husbandry and vice
director of the Iowa Agricultural College; professo of animal husbandry in the University of Wisconsin, and dean and director of Texas Agricultural Colleg hwo years ago Professor Craig was forced by ill at San Antonio. Since then he has taken up teachCollege, from which he retired recently to his farm

The Census and Statistics Monthly for August give at the experimental farms in the West for July : A lowest 41 mean 66.9 . The ayerage temiterature a Brandon in the previous twenty years has been about 64.6 degrees. Rainfall at the same point fo July is usually about 2.33 inches. This year it wa ture 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 for the month was 94.0 , lowest, 44.0 menn 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 years, 2.07 . At Lacombe highest temperature was

## Events of the Week

 A serious rear end collision occurred on the GrandTrunk near Durand, Mich., on August 24, when the 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 pro tect their train from the rear, whilst lying on the rack for temporary repairs: .
Colonel Roosevelt is looming large in American sertion of what Taft and his element in the Repub ican party are supposed to stand for, that is the has started before everything else. The colone ome thousands speaking tour of the country and o the ground to catch the public effect of his utter


The Corean dynasty, which has lasted 518 years came to an end last week, when Japan absorbed the Japanese dominions Corea contains a tarritory a 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 par a strong footing in Asia. ...
Masons and bricklayers in Winnipeg, to the number f five or six hundred, went on strike last week, and building is almost at a standstill in consequence having trouble with its men in Montreal, a strike was called by the International Union, having head quarters in the United States, and the masons quit work, not because they had any grievance but merel present as though the strike might, spread and involve other building trades.
Immigration into Canada is holding up to an exent which surprises railway men who have to take care of new arrivals and see that they are placed 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 easing up of restrictions placed upon new settlers by the go
$\$ 25$ rules.
Britain's launched on August 20. She is named the Orion. Compared with the armored cruiser Lion, of 26,350 Compared 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 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 atin 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 conpolitical sencation of the hour in the fatherland. It seems hardly creditable that monarchs in Europe in these days should cling to a belief that was supTrouble is expected in the next German parliament Trouble is expected in the next German parliament
as a result of the Kaiser's assertion@of the divine
mandate by which he rules.

## INTER-PROVINCIAL CONFERENCE AT COAST



 weem the prairine provincess and points in British for the haul to Vancouver they had to pay 324 cents, Grain Act for the licensing and bonding of grain comhe Unitod Farmers of Alberta and the receresento- cones they whit was for foreign shipment in which mission merchants.
 Was held in Vancouver, August 18 and 19 Ood
 ation, and that they tend to retard the commercial Some eighteen representatives from Alberta at-
 andea number of representatives from various points throughout British Columbia as well as the farmers
of Alberta are vitally intersted in better trade relatiooss and, no on tountt, combinined effort shall roing

 same beerer houses. of liciensing commission men, of
 trolled terminal elevators,
importance
were discused.
It was readily admitted that British Columbia and Albertas reach produced products that columbia and
sumed, but at the present time existing conditions sumed, but at the present time existing conditions other.
At the pening session Jas. Bower, Red Deer, Alta., president on the Alberta Parmerri
Association, was
lected hatrinn of the meeting. Among those from Vancouver who ottended and took part in the
 the Vancouver freight rates committee . Captain
Worsnop, of the Canadian-Mexican line; $j$. . Hall,
 of the Vancouver board of trade, and others promi-
nenty
connected
giith
rbight ratrs question

$\qquad$ things besides wheat was also pointed out, especially
Pruit was another product of British Columbia that should receive better treatment from the rail. way eadter That this meeting composed of the directors of gave it as his opide on onion that it would be necessary to Th United Farmers of Alberta, representatives of dacide on one system of grading for the wheole west The farmers of British Columbiat, the barard of trude of of mercial org ganizations of both provinces, expreess its
 Aberta and British Columbia are striously hindering resestin inishinitithe ine interchange of protucts eveloer nent in bond thonse and, provincer And it it is furtheret ope conviction of this meeting that the time has now
arrived when a substantial reduction in rates should arrived when a substantiaf reduction in rates should
be effected, which will not only be of the greatest
and mportance which wenefit not only be of the greatest sumers of these provinces, but to the railway companies as well. That copies of thie above resolution be forwarde That copies of thie above resolution be forwarded C. N. R. and G. T. R., and to Mr. Whyte, requesting parties. duly appointed representatives of both
That a standing committee composed of repreappointed to worlk out the details of a plan for better That this meeting recommend the est.
$\qquad$ either by the municipalities or by the provincial governments under government inspection. That copies of this resolution be submitted to the agricultural departments of the governments of the
two provinces and that their active co-operation be equested in this matter.

That pited ready partly covered by the Dominion act. He also
The grading and inspection of hay was a questio hat received much attention and discussion. Geo Harcourt, deputy minister of agriculture for Albert iad considerable to say on this subject. He adominion government on this question, as it was alecide on one system of grading for the whole West, nothing to do with a multitude of local systems. The following resolution respecting this question was ac-
cordingly moved and passed: That representations be made to the Dominion government pointing out the unsuitability of the present standards of hay or Alberta and British Columbia, and the necessity f a suitable standard of quality for hay, if the hay uch standards to give grades for timothy, clover, Ifalfa, brome, wild native hay, and other varieties
which are necessary for the business of the West: which are necessary for the business of the West; out the provisions of the Inspection and Sales Act in regard to the inspection of hay
Further that a committee consisting of the repre-
sentatives of the United Farmers of Alberta, British sentatives of the United Farmers of Alberta, British 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. Further, that the department of agriculture for their assistance in securing these amendments to the act. That the committee appointed consult he hay interests of Saskatchewan and Manitoba in proposed grades of hay
the grain oubstion
The grain question, other than its connection Captain Worsnop, of the for considerable discussion. Captain Worsnop, of the Canadian-Mexican Steam-
ship Company, gave the meeting his opinions
(Contivued on page 1286)

## Vancouver Association Holds First Big Exhibition

THE first exhibition of the Vancouver Ext cattle and swine exhibitors were not numerous, history. The West coast city has reason classes was much more interesting, both as to numbers
histane 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 nent, the success of its first fair. Sir Wilfrid Laurier had long entry in the feathered and canine classes. happy augury.
Were one to judge the success of the exhibition by Light horses, Dr. J. L. Oille, Toronto ; heavy horse the standards already achieved by other exhibition 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 is only right that the management and directors grounds where the fair was held lies eastward from the center of the city, overlooking the inlet that location is ideal and picturesque. From an agricultural stander. From an agricultural standpoint the exhibition
was not a real success. Aside from the light horse was not a real success. Aside from the light horse eature. The display of agricultural products was not of an ovepwhelming nature, perhaps owing to
the earliness of the season. However, there were numberless commendable features about the first The ligh
The light horse show, the dog and the poultry the most striking evidence of the popularity of the exhibition. -There was a long race programme, and way the barkers awakened such echoes amo the mid 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 felt dizzy-headed after witnessing the whirls of the merry-go-round machines. There was much atvisitors. Manager Roy performed his task well, and
the Vancouver Exhibition Association may look the Vancouver Exhibition Association may look It could hardly be expected that the live-stock men
would turn out in large numbers, as it was uncertai would turn out in large numbers, as it was uncertain what accommodid show up. Were not disappointed, for ample provision was made oring of light horses, but in the
was an excent showing
rest of theyhorse classes, the entry_was not large. The

Andrew Graham, Pomeroy, Man. ; cattle, sheep and The competition
HORSE EXIHIBIT
The competition was found to be the greatest in the entry. A number of exhibity among the harness and Victoria were found in the Standardbred and Thoroughbred classes. W. Nicholl, T. J. Smith, and largest exh. H. Wilkinson, all of Vancouver, were the largest exhibitors in the standardbred classes.
The exhibit of Hackneys was an interesting ture. D. C. McGregor, Vancouver, was perhaps the largest Hackney exhibitor, and in the female classes he won most of the ribbons. Silpho Sensation, exwinning stallion in the aged class. Sky Pilot, owned
by Jas. Bethwell. Vancuver was second, class for stallion under 15.2 hands, General of Cornwall, exhibited by W. Gyldenfeldt, Seattle, was first This horrse received the stallion championship ribbon
Brilliant of Chanque, owned by H. M. Fleming Vancouver, stood second in this class.
In the female Hackney class, Warwick Dora, ex hibited by D. C. McGregor, Vancouver, won th 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 S. R. O'Neal, Vancouver, was the largest exhibitor
of Clydesdales. He was the owner of the first and
second Clydesdale second Clydesdale stallions in the oged class, they
being Rosendale and Crusoe. The former horse was given the championship prize. Royal Citizen, ex-
hibited by the Inverholm Stock Farm, Ladner, stood
third. But one
 Abbotsford. He stood alone in the three-year-old
class. The Inverholm Stock Farm had a few en-
tries tries $\%$ offClydesdale females, they winning the cham
pionship ribons in pionship ribbons in lone competition. Charlie, ex-
hibited by Macdonald, Marpole Co., Vancouver, was
the champion the champion gelding. P. Burns \& Co., Vancouver,
won the team prize with a pair of bay geldings,
George and Chief. The CATTLE
ratern


## FRISUR WEEKLY MARKET REVIEW

The week, was a rather quiet one in grain, live
stock anind farm products. Prices show little change. stock , nina farm products. Prices show little change.
Grain was on the down grade most of the week, and Grain was on the dowrigrade most of the week, and october
the dutiook does not indicate much change, eithet up Decembe the dutlook does not indicate mutch change etther up
or down. It it probable that wieat will remain near its present level for some time. Live-stock values
show some pmporement in Western Martets. Eastshow some jompovement in Western Markets East
ern Canada niarkets, also, are up: Arefican ani ola country values ithot last week's basis.
Wheat markets opened weak and did not improve to any extent as the week advanced. W's clpes Frost predictions sent values up a cent on Tuesday but the following day a portion of the advanice was lost. Low temperatures at anumber of points cause
an "uptward movement on "Thürsday, with weaker an uptex for the remainden 8 to the week.
Shimgitit figures fort the purevious week shòwed nearl gitwo-mitior bushe increase, made chiefly try sind from India. Wheat shipments totalled
 Amerrican


## Clostivgoptions



$$
\begin{aligned}
& \text { Toraidr.. } 12,940,000 \text { 11,120,000 } 10,112,000 \\
& \text { Whieat or passage } 35,320,000 \text {, last week } 35,440,000 \text {, } \\
& \text { last vear } 30.376 .000 \text { bushels. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { last year } 30,376,000 \text { bushels. } \\
& \text { vIsibis SUPPLy }
\end{aligned}
$$

$$
\begin{aligned}
& \text { There was a further decrease in the quantity of September } \\
& \text { wheat in store in Canada. Total wheat in store, Fort, } \\
& \text { December. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { wheat in store in Canada. Total wheat in store, Fort December } \\
& \text { William and Port Arthur, was } 2,033,514.40, \text { as Duluth } \\
& \text { against } 2,528,200 \text { last week, and } 242,279.10 \text { last year, September }
\end{aligned}
$$

$$
\begin{aligned}
& \text { against } 2,528,200 \text { last week, and } 242,279.10 \text { last year, September } \\
& \text { and } 609,363,30 \text { last week in last year. Total ship- December. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { and } 609,363.30 \text { last week in last year. Total ship- Decer } \\
& \text { ments for the week were } 756,414, \text { last year 384,367. May } \\
& \text { Last } \\
& \text { Previous } \\
& \text { Last }
\end{aligned}
$$

$$
\begin{array}{cccc}
\text { Last } & \text { Previous } & \text { Last } & \\
\text { week } & \text { week } & \text { year } & \text { September } \\
2,710,608 & 3,721,327 & 82,438 & \text { Oeptober } \ldots \\
6,648,182 & 6,767,707 & 1,198,000 &
\end{array}
$$



$$
\begin{aligned}
& \text { Whea } \\
& \text { Oats }
\end{aligned}
$$

$$
\begin{array}{lrrr}
\text { Wheat } \ldots \ldots \ldots \ldots & \mathbf{6 , 6 4 8 , 1 8 2} & \mathbf{6 , 7 6 7 , 7 0 7} & 1,198,000 \\
\text { Oats } \ldots \ldots \ldots \ldots & \mathbf{6 2 7 , 7 8 2} & \mathbf{8 2 8 , 8 5 5} & 136,831
\end{array}
$$

## TORONTO

American-

Export steers, $\mathbf{\$ 5 . 5 0}$ to $\mathbf{\$ 6 . 8 5}$; export heifers, $\$ 5.75$
Wheat

$$
\begin{array}{rrr}
22,362,000 & 18,582,000 & 8,583,000 \\
8,025,000 & 4,428,000 & 3,413,000 \\
\hline, 673,000 & 3,018,000 & 8.583,000
\end{array}
$$ week were lighter than the caek previous and prices to $\$ 6.25$; export buils, $\$ 4.50$ to $\$ 5.25 ;$ butcher cattle,

$$
\begin{array}{rrrr}
\therefore 8,025,000 & 4,428,000 & \mathbf{3 , 4 1 3 , 0 0 0} \\
\hdashline \quad 2,67,000 & 8,018,000 & 8,583,000
\end{array}
$$

 selling. Hogs are up a quarter. At Toronto, good stockers, $\$ 3.00$ to $\$ 4.50$; ewes, $\$ 4.00$ to $\$ 4.75$; lambs, stock is selling at advanced prices. A good deal of $\$ 6.50$ to $\$ 7.00$; hogs, fed and watered, $\$ 8.75$; off cars stock is seling at advanced prices. A good deal $\mathbf{\$ 6 . 0 0}$.
Western stock is being sent East by Winnipeg dealers $\$ 9.00$.
and is finding ready sale. British markets are about on par with
little change litle change.
Rice $\&$ Whaley, livestock commission dealers, report Rice $\&$,
as follows:
London cables quote ranchers at $11 \frac{1}{2} \mathrm{c}$. to 12 zc.;
as follows:
Cattle receipts The supply of sale cattle was comparatively small. Un in quoded States stecers. 163 zc c. to 14 tc . Canadian bacon The governments of the other two provinces
not yet issued any statemet on the crops of 1910 The Free Press crop reporters estimate the outturn
for the three provinces as follows:
Manitoball $\begin{gathered}\text { Wheat. } \\ 28,660,606\end{gathered} \quad \begin{gathered}\text { Oats. } \\ 28,361,890\end{gathered} \quad \begin{gathered}\text { Batley. } \\ 657520\end{gathered}$




The flax yield is estimated, Manitoba, 4,100,200 Saskatchewan, $3,537,000$; Manitoba, 91,950 . Other estimates vary above and below this. It is generally beaped a wheat crop of between $100,000,000$ and $120,000,000$ bushels, which, considering the increased "creage, is considerably below the figures of
1909 . Wheat is being delivered in heavy quantities in American primary markets. Daily deliveries on the average exceed those of y yar 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.
ing 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 against 85, July 15, and 74 August 15.1909 , spring Light stockers
wheat, 7476 and 80 , respectivelv. Conditions in mas extremely light 400
 provement. In Southeastern Europe threshing is with an extreme top of $\$ 9.00$. The prospects look Hides, country cured, per ii

 through regarding crops in Argentina or Australia. Calves sold from $\$ 4.50$ to $\$ 5.00$, for the best grades, i. choped barley, per ton The visible wheat supply in Europe last week was $69,158,000$ bushels, an increase of $2,535,000$ hushels
over the preceding week. Last yeat the ule le
over the preceding wee
was $46,500,000$ bushels.

## $\begin{array}{r}315 \\ 220 \\ \hline \quad .\end{array}$


 Chilf, N: Atrice WBSTBRN CROP
$\mathbf{2 , 6 7 3 , 0 0}$
OONDITIONS
$\qquad$ Estimates of the Western wheat crop continue vary considerably. Elsewhere in this issue we pub lish the estimate of the Saskatchewan gonces hav
The governments of the other two provinces

CHICAGO
Steers, $\$ 4.75$ to $\$ 8.50$; Western range cattle,
$\$ 4.75$ to $\$ 7.15$; cows, $\$ 2.50$ to $\$ 5.75$; heifers, $\$ 4.00$ cent higher basis with the possible exception of ex- feeders, $\$ 4.75$ to $\$ 5.70$; stockers, $\$ 3.00$ to $\$ 4.00$ porters. Best cattle on sale this week sold around hogs, $\$ 8.50$ to $\$ 8.90$. oo good mixed butcher stock sold from $\$ 3.75$ to 4.35. While our market has scored a slight ad- Following were the quotations last week for farm moderate receipts and present prices will likely hold Creams, sour, per "lb. butterfat
steady. steady.
Quotations are as follows, fed and watered:

Best export steers \begin{tabular}{l}
Best export steers <br>

Fair to good export steers $\cdots \cdots \cdots . . .$|  |
| :---: |
| Best |
| 4.75 |
| 4.75 |
| to | .5 .50 <br>

5.15 <br>
\hline
\end{tabular} Best export heifers Best butcher steers Best fat cows...

Fair to good cows Common cows
 $\begin{array}{ll}\text { ". } & \begin{array}{l}\text { No. } 1 \text { dairy } \\ \text { No. } 2 \text { dairy } \\ \text { Cheese, } \\ \text { Eastern }\end{array} \\ \text { U }\end{array}$ 3.85 to
3.40
3.35 to
3 $\mathbf{. 7 5}$ Eggs, fresh, subject to candling, Best bulls....
s.... Goo

## up to beeding steers, 1.000 lbs .

Good to best feeding s...............
 boiling fowl, per 1 b .
ducks, per lb ducks, per
geese, per 1b
$\qquad$

\section*{$-\quad .$| 26 c |
| :---: |
| 19 c |}

 122 to $13+c$
10
10 10 to $12 \frac{1}{2} \mathrm{c}$.
. 10 to 12 c
.0 to 12 c
8 to 10 c 8 to 10 c
10 to 12 c
10 to 11 d


People And Things
New Copyright Law
and training of the baby. " He will be too The World Over the question of copyright has been a veed when the growing youngsters prove too much for
 of litte 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 Berin, 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 1332 , so British Museum experts say, ization of a unitorm 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 desirabbe eaim a bill has been to regard as an ogre the man who would have authorites forgot to reetore it. The corporation introduced into the British pariament to ess been their true friend and pal if he had only a of Preston is now going to retum the charter and tablish a uniform copyright law throughout the chance. One of the saddest sights is to see a apologize for the thoughlessess of its prede- British Empire. At present the author of works family plan their yood times at home on the cesors in reeping the precours document about of literature or ant pets a claim at the most on nights "father will be away.
6oo years. The Prestonites had actually come the sale of the product of his brains for seven Later on father's place eas a provider becomes to think that it was their own! years only after his death, or for forty- two years more apparent, and to high school, and college

 the play that won the f300 prize offered by the to his children and grandchildren the benefit for mother's special benefit, unless money is govemors of the Shakespeare Memorial Associa- of his life's toil as the man can who has invented wanted. A colege girl said lately that she tion, Stratorad-on-A von, was produced recently a machine. The present piracy of books and didn white at the Mementwsiastic reception. The play, plays between countries will be abolished and a wanted som homed when boys and giris get offin and had an entusiastic reception. The play much fairer system will be compulsory. homes of their own he is alloweyent read the eeterter deals with the old legend or the Pied Piper of
Hamein. Mr. Benson Hamelin.t. Mr. Benson
nlayed the
title
role played the tite role and Miss Marion Terry the parat of Veronika. At the close the authoress was presented with the
xan heoue enclosed in
and a siver casket.
A notable event has occurred in India. The chief of Sangli, a considerable town in sonty-one, ndia, aged twenty-osh has marred aged eighter The almost unparalleled thing in this anparalele in Hindu society is that he is so old a man grown and she a woman grown, and she a wait so long to be wedded

The little wind a gossip is
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, And when she's learned yo
she tells it as she goes.

## The Little Wind

The little wind a traitor is, But But keep your heart well hidde 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:

But they have advanced ideas. Miss Ioshi's father and mother have been seen to walk the streets together, and Miss Joshi has studied a year in Elphinstone College. Thus reform progresses and some have intelligence enough to know that a wife should be her husband's companion and adviser

## Neglected Fathers

I am constrained to believe that fathers, as lass, do not get a fair show. A few days ago ame across $a$ book whose contents waye wholly came across a book whose contents were wholly
compiled from what poets and great men generally have said about mothers. It was not a small book bsy means and the mothers deserved every syllable of it. But ransack your memory and your scrap book and Bartlett's Quotations and you won't find enough sentiments about father to fill a two-page tract. Why is it ? There are men, but their number is remarkably small, who are not capable of handling the duties of fatherhood, and they fail because training is sufficient to carry them through any解 Can an idiot vote? The French Court of Ap peal has just decided this question in the affrma ive, ruling, contrary to the judgment of a lower court, that a person otherwise legally, disqualified s entitled to his electoral rights.

## It is nearly what is called "The record" tion

 uriosities 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 , 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 , r 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 lucted in the artificial language which amuses the children are born till they leave for homes of her husband, even a better daughter to her copple 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 uages which have grown under Derwinian natur- ceptibly. The mother, perhaps naturally enough, loving understanding. She will gain a broader selection. One of these services is in . Patrick's longs most to her, and she almost resents any look on life, and be invisibly protected from a Nebeopal Church and the other

CHOSEN FOR SPECIAL WORK
$\qquad$ Who knoweth whether thou art come Esther iv.: 14.
His appointment must be blessing, Though it may come in disguise For the end from the beg
Open to His vision lies
The objection sometimes made to the Buok of Esther, that "the Name of God
is not once mentioned in it," is a very is not once mentioned in it," is a very
shallow one. It is like saying that a ing that statement by the fact that he lives his faith instead of talking about
it. The Divine Sovereignty is plainly asserted many times in this beautiful plainly in the text. Consider the cir cumstances. The Jews were captives in the land, and yet one of them -a beautiful young girl-had been made queen py cai, by daringly refusing to cringe be-
fore the wicked favorite, Haman, had precipitated the doom which threatened his people. Haman took advantage of
his position to satisfy his private vengeance, and letters were sent into
all the hundred and twenty-seven all the hundred and twenty-seven
Provinces "to destroy, to kill, and to cause to perish, all jews, both young one day" "the day having been chosen
by lot. By Got's good providence, the lot was cast for a day twelve months
distant. But who could save the nadistant. Mordecai turns to Esther and
tion? says that the opportunity and privilege
is hers. Salvation will come; if she is hers. Salvation will come; if she
is afraid to speak, then deliverance will
arise from another place, but in that case she and her father's house shall be destroyed. And "who knoweth," he tells her, "whether thou are come to the
kingdom for such a time as this?" Is
not this a declaration of implicit trust in not this a declaration of implicit trust in
God? God will save His people, and God? God will save His people, and and power in placing Esther in a posi-
tion where she-a young and timid girl, with no weapons but beauty and inareent charm-can win the king and
punish Haman. Then see how bravely punish Haman. The
she obeys the call; knowing that God cast for three days and nights, saying that she and her maidens will fast like-
wise. What good could fasting do if though this brave young girl leans ut use all the weapons He has alread parel, makes her beauty shine out to the best advantage, and then dares death
by going unsummoned before the king sy going unsummoned before the himg, "If I perish, I perish." were a stronger defence to her people
than an army of warriors. She won than an army of warriors. She won Do you think Esther is the only
person God has placed in a special po-
sition for special work? If we only realized that He has placed each of us with as carefitaten as He showed in the
for our position
matter of Esther, perhaps we might awake to a sense of the importance It is foolish to shelter ourselves behind that in God's sight a kingly life is one that is nobly lived, though it may be out on a lonely farm. Great results $n$ come from very smallerful b
have before me a wondedice
ugust 31, 1910

## The Ingle Nook

## A WORD IN KINDNESS

$\qquad$ 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 tand beside me as my equal or superior. The fear of God was enough before my eyes so that inve would not use my inwould go away myself and leave the
responsibility to others. So I left the responsibility to others. So I left the
sweet ministries which should have been sweet ministries which should have been
mine in my home. My father was
taken from me in my absence and in taken from me in my absence and in 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 made restitution of what could be re- of memory. It is difficult to define the stored, but the time was past for noble word order in a manner to fit, all cir-
self-abnegation in helping to mould cumstances and to impart a clear ide self-abnegation in helping to mould stand beside my own. Dear young girl, does the serpent of the opposite to confusion. Confusion
envy or jealousy stir within your breast? in any line of life leads to unsuccessful envy or jealousy stir within your breast? in any line of life leads to unsuccessful
Crush it, at whatever cost! Parents, try to know what is passing this world out of the question at present,
the minds of your children, and help. we will endeavor to deal with what are them to be overcomers in their confiicts. "Whosoever will save his life
shall lose it and whosoever will loe his life, for My sake and the Gospels, be considered is the putting item tof his life, for My sake and the Gospels, there. This causes inconvenience and
the same shall find it."


WHO CAN HELP? The Ingle Nookers and Chatterers,
Will you allow another to join you circle? I have been a silent reader for
almost five years and now being in need
of some assistance will come to you for almost five years and now being yoed
of some assistance will come to you for
help. My husband is not very strong help. My husband is not very strong could get some of the old homemade
beer. Can any of the old ladies of the circle give me directions how to make if they could. I want also to thank
the chatterers for the nice recipes they have sent.` I have enjoyed their letters
very much As it is getting to seem like fall again,
all we farmers' wives will begin to think 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
 good cork in. I will send these to help
someone, as I have received help from
others. I wonder if there is anyone in someone, as I have received help from
others. I wonder if there is anyone in
the circle that came from the same county in Iowa that I came from. I
am going to use the county for my penam going to use the county for my pen-
name. Thanking you for the recipe,
for I know it will be answered, and wishing you, Dame Durden, good luck, Pottawattamie.
Green Tomato Catsup.-Peel and slice one galion green tomatoes with one
mer in granite kettle two hours wer
pint of vinegar. Then add one cup of ugar mixed with four tadlespoonfuls of |uarter of teaspoonful cayenne pepper,
ine tablespoonful of cinnamon, one ablespoonful mustard, one-half table-
the seeds in
hour slowly.
Cold Rip. Cold Ripe Tomato Catsup.-On a cittle ripe tomatoes chopped frain six hours. Add half cup salt, one cup sugar, one-half cup white whole mustard seed, one
tablespoonful celery seed or chop two bunches of celery fine, three smal onions chopped fine, one tablespoonf three pints of cider vinegar, and one Puarter teaspoonful of cayenne peppe (Glad to have you as a member The recipes so kindly sent will be sur can, in turn, supply you with the one our, in turn, supply you with the on
Come again. -D. D. LEARN ORDER

## humiliation that was m. I think we are indebted to the <br> considered is the putting of then

 As we are writing for farmers and this in mind. Begin at the house. An untidy house does not always mean an unclean one.
To bring about an orderly state of affairs in a house means to include order thing, and everything put in proper place, as well as insistence in keeping
them in that place. If this is a first attempt, the housewife must consider her materials, where she would like to
have them kept for the utmost con-
venience as to room, and to the getting venience as to room, and to the getting
them when required. She could try
and save steps and time in and save steps and time in all her ar
rangements. She must also consult the other principal members of the
household. as to time for meals. Unless there is a stated time for these,
no work either in the house oron the farm, can be accomplished with regufor rest, and do just as much work in any given time, by knowing just what
time she can allow for doing the ortime it will take to do her mending and sewing, allowing for accidents of in-
terruption and delays, as to go along at haphazard, not planning her routine. We know there are many farmers'
wives who think, and really with cause, that they have no resting time. This
should not be. It will shorten lives
and render them so miserable and render them so miserable that no
comfort can be in the family. Surely comfort can be in the family Surely
some way could be managed by the
woman and the other members of the family so that the wife and mother need

Western land, on the work and standin of women in the community. The pluck up ccurage encugh to
bachelor homesteader values his wife achelor homesteader values his wite am sending Herberta a simple sunperienced the want of a woman's com- her requirements. I find the Ingle Nook any and work. He feels that he can suggestions so helpful, also the patterns pafford to buy the necessary machinery for girls, as I have two girls twelve and
afor her help, as well as those for his fourten, and I do my own sewing
or her help, as wel farm work.
the difference in customs between town and city people, and farmers.
Mechanics, men and women in ofliving in cities, are obliged to observe time and punctuality. Their boys and girls are accustomed to the regular meal times, and when they go out to work or themselves it is no new thing.
In comparison with farmers' families they are far above the country boy and girl in this respect. A great many
farmers' homes have not stated meal times, the children straggle along to their breakfast; the dinner perhaps
waits the convenience of the men for Uurning out their teams; the tea is somebetween that and eight.

$$
\begin{aligned}
& \text { etween that and eight. } \\
& \text { Just take notice any da }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Just take notice any day you may be } \\
& \text { in the nearest town when farmers are } \\
& \text { obliged to take their noen meal at hotel }
\end{aligned}
$$

$$
\begin{aligned}
& \text { n the nearest town when farmers are } \\
& \text { obliged to take their noon meal at hotel } \\
& \text { or restaurant. No wonder the waiters }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Dbliged to take their noon meal at hotel } \\
& \text { or restaurant. No woonder the waiters } \\
& \text { pn tables are troubled and sometimes }
\end{aligned}
$$

ross! The farmers co and sometimes on the street and talk about nothing in particular, and when they have nothing else to do, walk in for their dinner.
The same obtains at any public meeting for farmers. Notably they do not ex s, to open till from half an whatever hour later than advertised. No wif or housekeeper can be really orderly, nited, for can be so, unless both are ine means to obtain order Resident. BEST WISHES FOR A GOOD CROP Dear Dame Durden,-I have no
visited the Nook for quite a while; 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 Herbertai My
husband and I are enjoying prairie life of the sunbonnet for Herberta. My
husband and I are enjoying prairie life
finely. I rather like it, although we are 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 so far, and the only flower plants I have
started are quite a few pansies. We are
just getting our front 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
dress is very interesting dress is very interesting to me. I like for working, dark navy blue, finished or piped with white or a little insertion,
white collar or a white $V$ in front. This is made up for my summer dress
and I have been wearing dark green in winter. I wear white and a very light husband simply hates dark aprons. My thinks they look as though one were
washing pots and pans all the time.
Well Well, we have had a very ary sum-
mer out here and crops will only be half-crops this year.
Can anyone tell why ducks that are hatched out in June do not do well? long? They seem to die" along at two
and three weeks. I might say (it may be too late for year to follow) if any of the poultry get
gopher poison that is put out, the white of an egg is a gqood remedy, if the fow
are noticed and you think 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 best wishes to the Ingle Nook. I leave
space to someone else space to someone else. A Frievd.
A PROMISE
My Dear Dame Durden, It's a long
time since I wrote you, and it's a shame
I havent thanked you ere this, for your
promptness in answering my "queries." ontiot long since 1 was in The Thon

6707 Plain Fitte.
Corset Cover.

corset Cover.
38 to 48 bust

We have a good garden, and if you
ome to see me this fall I can treat you to corn grown from seed sent to me from my "Old Ontario Home." We need rain adly and hope it may come soon. Dame Durden, having taught for two years before I was married. Have you ever been in Rodney, Ont.? I used to year. Some time later, if you should care to know, I'll tell you how we make the winter pass pleasantly in our little俍 (I surely am disappointed that you ated to ask for me when in The Advof some of it is partly the business re to see those of our readers who nterested enough to come to the build ime. It it is be more courageous next eet any is always pleasant for me to nly through their letters.
or Herbert ne astray to me? If so it must have n't betray on the way. However, ne else sent a pattern and I forwarde to her to keep her complexion from

I've just passed through Rodney o the train, but lived not very far from accept the invitation to eat corn from Old Ontario with you.
Wend the winters pleasantly how you problem in small places, and anyone who can shed a ray of light upon it is a public benefactor, so stand by your

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 name and address. Allow from tenweeks to fill the orde Send to fash-
iondepartment





## FARM BETTER THAN TOWN

 Dear Cousin Dorothy,-This is did not see the first letter in print the eight oxen on the farm. W six miles from town, for we moved the farm just a little while ago. One of my friends came out to stay a few is going home to-morrow. Last night father put the harness on the horses and we drove them around the yard. I like on the farm better than Own. 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
Man.

## Blue Bells.

## FOND OF BOTANY

Dear Cousin Dorothy,-It was with great pleasure that $I$ saw
mp
print, so
$I$ thought $I$ would makt liter a
and seond, sisit to the the cub. 1 the members are off on holidiyys and
don't get time to write, so I will do my don't get time to write, so 1 will do my of the members have said a a letter should be, long and interesting.
I am very fond of reading and have
read many books. My favorite stadies read many books. My favorite studies
are reading, drawing and all $I$ take up Imeas ing, for they are all very interesting. I like botany especially-it is so pleasan Dear Cousin Dorothy, will you please let me know in the paper Orioles sad
dresss as 1 would like tocorresond with dress, as I would like to correspond with
the same? Well, if I I don't stop, the
 tranewell tor hever will, soo must say
ing cousin. (It is a rule of this club not to publisis addresses on this page, because un scrupulous people often pick up chil
dreens names and adresestr dren's names and addresses from papers
and send them reading matter that tis not good. But if you will write your noter to oriole and put it in a stamped unaddressed envelope and send it to
me 1 will forward it to her.
Then she can answer you directly if she wane

## credit given to the teacher

 Dear Cousin Dorothy,-Having been an interested reader of the Western opportunity of mititing, I I think Orioleorem Writes such good letters
Father rainy weather we are having Father has not harvested yet but $h$
expects to do so this week. 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
the fifth book. My eldest sister and I both got hoonors. We have a splendid How many of the Wigs are fond of
reading? 1 am. I read so much that they often threaten to hide the books Among the books that I have read are Up by the Sea, The Wide, Wide Worid.
 Anne of $G$
good book

[^1]purebred bronze. The gophers are ver the Wigs have ever seen an antelope saw one this spring. It was about the We are fiz
village and two miles from the railroad. We came from County Grey, Ontario, about four and a half years ago. I do
not mind living in the West, although I not mind living in the West, although prefer than anything when I first came
more the
here. We have had quite a number of here. We have had quite a number of There was a large fine south of town. It of shacks. One man had six horses burned to death. There are a lot of settlers coming this spring, who are taking up homesteads. We have herd this district.
We have eleven head of cattle, three pigs and one pony. The pony is a little
buckskin. She is very quiet. Ilove to ride horseback, but our pony doesn't knees. We girls play baseball at school.
I think it is great fun. The boys think it is great fun. The boys have
Dear me! T?

Dear me! This letter is getting will the chasing me out of the Wigwan

A RABBIT STORY
Dear Cousin Dorothy,-Having been to write again. I passed into the fourth many Wigs would examinations. How country than in the city? I would rathe er live in the country. I think you have few in the country. I have read Black books. My favorite books are I orld. I am going to tell you about a little
wild jack rabbit my sisters and I had. neighbor gave it to us when it was Jimmie. We kept him in a box him about two weeks. Then we let him run around. He got very tame, for he the stove like a cat. One day Jimmie went up into the field of oats, but he
came back again. When Jimmie wa about six weeks old, the same neighbor
that gave him to us came up with his that gave him to us came up with his two wolf-hounds, and they killed poo
Jimmie. He promised he would give
us another. In about a month, when we girls were driving to school, we met them and they gave us a bunny about We took him to town and left him at
our auntie's till we came home Bruc wasn't as tame as Jimmie. When we away.

## LIKES TO BAKE

Dear Cousin Dorothy,-Having read with great interest the Western Wig
wam letters for the past three years, I a letter. I enjoy reading Canary's let Wigwam is one of the best clubs purn
Wigw ished; everyone seems to get such in It has been raining hard for the past three days, but it doesn't keep coming
down steadily, only in showers. Bul mavte steadily, only in showers. But some green flax.

We live five miles from the town Gull Lake, and we have been going to October and a girl was burnt fo death schoo. I have three sisters and myself Dorothy? We seem terrible, Cousin here. I have three sisters and mot brive to school with a pony, but here yet but wish we had. I am in inside of about one month we expect the fourth book. to have a school of our own about one Papa owns a half-section of land and 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 passed into the fifth book at summer quarters of a mile long and about hail like to read books? I do, if they are at the soith 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 How many of the Wigs like to bake cakes and pies? Why doesn't Western Cowgirl write
and tell us more about the ranch? am very fond of riding horseback. We have an/organ and I can play quite a bit on it, but play mostly by ear.
only took seven music lessons, because I had to come away from the place Shere I was taking them.
Humming-Bird. (That town used to be my home, to

## THE THREE B'S

Dear Cousin Dorothy, -I received my reading the letters of the Western Wig wam. My father has taken The FArmsz's Advocate for eight years and likes for the fourth class but failed. We have wo horses, four cows and three calves. Beauty and Bo the calves are Bright, ve been very scarce around bere this summer. I guess I will close with a it; I came home and I had it, but I

AN ORGAN AT SCHOOL
AN ORGAN AT SCHOOL
Dear Cousin Dorothy :-My papa years. I have enjoyed reading the old enough to write one myself. had an examination at the end of June, and I passed into the , st book.
I like my teacher very much. We have a new organ at our school. Our ike to sing. Well, I will close, and if my letter escapes the waste basket I
will try again. I am sending a two-
cent stamp for a button.

A MAN TEACHER
Dear Cousin Dorothy :-I guess I will
sit down and write you a few lines to you know how things are going. We of the crops are burned out, and the again. Our teacher has left. Her name is Miss H -. We are having a
man teacher, and we never had one before, so we don't know how we will
like him. Here are some riddles: hill, now they wo, now they go, now
they stand still? Ans.-My teeth. 2. What is the first thing that
2. Whells when you go into a drug store ? Amells when you go into a drug store Why does a street car not need
lightning conductors? Ans. - Because has conductors.

A GOOD DESCRIPTION

## Dear Cousin Dorothy, - Inis is m will be to the club, but I hope

 first letter to the club, but I hope itwill be a success. I will try and de-
scribe the country to you. It is sandy soil, that is most of it is. There are places fit for farming but it is really
a ranching country. We live in Sound-
ing Lake district, but there are a great many lakes smaller than Sounding I.ake
Well, telling the district is scribing the country. Besides, there
are a great many clumps of poplar trees,
they are the most they are the most plentififul. There are
few cottonwoods or balm of Gilcad great lot of poison inw. ereering trees plant, of which Ither sort of creeping
bis prairie fire her. in

## MAKING HAY

Dear Cousin Dorothy,-This is m1 hope that the waste paper basket is too far away for you to easily get there The wheat and oats are burning up now, although it is cooler than it has
been for some time past. The grass been for some time past. The gras
also, which never has been green, is turning white. The people are all busy around here making roads, and making hay. this dry weather. Papa has taken The Farmer's Advocate for years and says that it is the best all-round Iarmer's paper going.
writing, and that Cousin the prize fo writing, and that Cousin Dorothy (that know it must be dear. Best wishes. From your cousin. "Twelve-Year-Ol
(This year we have not been giving
prizes for writing, but if one had been offered I am sure you would have won
it.-C. D.)

## LOST A GOLD RING

Dear Cousin Dorothy :-I have read the letters of the Wigwam for a long 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 little change, so 1 am going to Edmonton for a little while. I had a days, and she lost her gold ring and strained her finger while staying with
me. I would like to correspond with a girl of my age, twelve. Hetty life it is out on the prairie. I would favorite books are : Jessica's First Prayer, The Brownies, Through The
Looking-glass, Madge's Leegacy, Looking-glass, Madge's Legacy, A Sun-
day Trip, Three Firm Friends, The ew York Bootblack, The Little Peohad a very nice teacher before the holibuys, and her name was Miss P- has got married since the holi, Dear Cousin Dorothy, I am sending ould like and a two-cent stamp and


## August 31, 1910 <br> farmer's advocate and home journal, winnipeg



THE HORSE THAT LOVED TEASUNG news was brought of a terrible railway Don't tell me horse humor. Nas sitting there last Saturday stretcher, and for many hours calmly and I was sitting, there a horse squeal and promptly performed noble and tervery loudly. Of course I had to inves- rible duties of rescue among the killed tigate. There were two delivery rigs backed up to a store door and attached to one was a skettish, nervos-ther was hitched a chunky chestnut and white of the regular delivery horse type. The black was perhaps a foot in advance
the other and neither horse was the other and neither horse was ap
parently paying attention. As I watch parently paying aellow turned his head
ed the heavy forled
very slowly and just tickled the little very slowly and just tickled the little any attempt to bite. She kicked and
squealed and then turned round, but squeat that time he was looking innocently ahead. He repeated that performance and you could almost see his fat sides shake and hear him chuckig a tease and
squeal came. He was as big 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 phantly round and-he yawned in he -Editor.

THE BOY SCOUTS All Canadian boys are bound to hear something of interest every member of this club. This very day there are in a camp just
on the outskirts of Winnipeg, a camp 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 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.
There isn't room here to tell you all There isn't room here to tell you all
about it in one issue, but if you are intry to answer them. There are already 400,000 boy scouts in England, so you
can see how popular it is. The, scout's law is:
A scout's honor is to be trusted. A scout's duty is to be useful and to help others.

## of rank.

## A scout is courteous. A scout is a friend to animals.

A scout obeys orders.
A scout smiles and looks pleasan A scout is thrifty.'
An English scout's duties are many and he never gets to the end of hi lessons. Before he can wear a badge he must pass an examina-
class bast
tion in ten things. First he must be able to swim fifty yards. He must hav 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 in self-reliance he is sent off on a two
days' journey by himself or with one other scout. On returning he must write an intelligible account of what hew
has done and seen. He must know how to deal with accidents, such as drowning,
electric shock, fire, runaways. He must electric shock, fire, runaways. He mus
prove that he can cook biscuit, a hunt prove that he can cook biscuit, a, hunt
er's stew, skin and cook a rabbit or
clean and cook fowl. He must be abl to read a map or sketch a map, use an 25 per cent. of correct measurements. there are so many motor things; me
Finally he must train a tenderfoot or scorch the earth with sullen roar, new member so that the new boy is float around on hardware wings. They
ready for a tenderfoot badge. Here doom you, Dobbin, now and then, and $==$

## 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.
tance, size, number and weight within now to beat it from the earth!" An
revival, carry the patients, bring water not exerted directly, If now the upper all was over and the crowd dispersed, be recorded. If this lid be replaced and the boy scouts tidied the park of rub-
training for the navy
Editor Farmer's Advocate: Dear Sir:-In a copy of your paper
dated June 22, I noticed a paragraph dated June 22 , 1 noticed a paragraph
headed " Boys and the Canadian headed Boys Canadian Boys were
Navy," stating Cegineering department.
wanting in the engion wanting in the engineering department
Please advise me as to where appli Please advise me as to where appli
cations should be entered, as the col cations is not yet established. Sask,
(If you write to Sir Frederick Borden Minister of Canadian Militia, Ottawa Ont. you will receive information re
garding the training for boys for the garding the training or boys for the
Canadian navy. Whall be glad to hear of the results of your enquiry
Ed.)
the trusty dobbin
They doom you, Dobbin, now and
Then, they say your usefulness is gone some blame fool thing designed by met has put the equine race in pawn. They
doomed you, and your hopes were low when bicycles were all the rage; the
said. "The horse will have to saidः "The horse will have to
lags superfluous on the stage!" They
The doomed you when the auto-car wa given its resplendent birth. "Thu
sinks the poor old horse's star-he'll now they're dooming you some more
there are so many motor things; me call you has-been, and the like; bu
while this world is breeding men, the Alfred Smith, F.R.H.S., of Downley High Wycombe, who is a well-known
rose specialist, has been experimenting three or four years with a view to the
production of a blue rose. By the
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,
supplant a horse's heels, or make man and has given it the name. of Lady supplant a horse's heess, or make man a did
grudge a horse his grass. No man-made Coventry. trap of bars and springs can love or His nursery is near the estate of the confidence impart, nor give the little late Lord beaconsield, at Hughenden neigh that brings emotion your cars and by blending the common dog rose with ships and planes, and doom old Dobbin cultivated roses, a notable example of as you will! While men have souls and his work being a climbing tree, pure hearts and brains, old Dobbin shall be with us still!
the weight of a flying fly

## in place of discipline

(Continued jrom page 1278)
experimenting at first, but soon I could gauge pretty accurately now much
work could be done on any subject in arr could be done on any subject in a given length of time. That precau-
tion left no reasonable excuse for unfinished work under ordinary circum stances.
The workable time-table and the carefully assigned lessons were two essential steps in the process of keeping
order; the third and final one was just as important,'that was the examination in detail of every bit of written work
done by every pupil during every day It was work for the teacher, but it paid. The average pupil's capacity for work
was used as the standard of measuring was used as the standard of measuring
the length of written lessons. But that did not make allowance for the unusually bright or the abnormally stupid. from reach the farst class and keep them when their work in any subject was finished, this rule was made with their approval of its fitness:
as you wish as long as you disturb do 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 chanical arithmetic at the top of the
board. Then If I saw a boy not ing 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. signed work was too little for him learned to avoid it, for it called for much figuring and absolute accuracy. Usual
ly, though, the quick pupils spent their ly, though, the quick pupils spent the
time preparing for spelling or recitation lessons; or in drawing, painting, reading good geographies, histories or natur books that they could take fromsmy In our school pupils whose work was
done were dismissed at 3.30 . When the hands pointed to that hour in my room, every boy who thought his day wis practice book open on his desk and sat erect with arms folded. That was the silent signal that he was ready for
inspection. I heard his corrected inspection. I heard his corrected
spellings and looked over the work done spellings and looked over Ine work dell
that day in his book. If it were well done he could pack his books and go home, if he could get out of the building quietly-if not he must stay until the
whole school was dismissed. If the work were untidy or incomplete the defective parts were marked and these had to be remedied Boys have a great sense of first week ov after the first week over having to preWhen the prepared ones had tip-toed downstairs, 1 took a few minutes help-
ing the slow ones who had found difing the slow ones who had While they used this new light on their problems, the perplexed with grammar were set straight, and other subjects untangled of puzzles. By 3.50 there would not be of these being delinquents who had the "idle question" on their list. By four o'clock everybody was away, and in
another half hour the work was planned for next day and I was gone too My room was never noted for that atmosphere of "awesome" silence, so unnatural in the vicinity of children. healthy bustle of pupils at work, and it did my heart good to hear it.

THE NEW SERIAL A JOLLY ONE "Tag: The Chien Boule Dog" is one , hearty laugh from beginning to end.
It is written by a Western Canadian woman, who laughs herself and knows how to induce laughter in other people.
This story will begin in September 14


## ATTENTION!

EIMPIRE Stoves, Ranges, Furnaces, Registers
The Great
JOY MALLEABLE RANGE
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Red Piver Metal Co., ymumbers, samen.
When Answering Ads. Mention the Advocate

## Questions

Answers

 query as an evidente of good faith but not
necessaril for pubbication When
required by meply is
enclosed.

HOMESTEADER INSANE
Homesteader has become mentally incapable of finishing his duties to get patent. Can his guardians-broth-
er-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 patent be issued? Could it be transferred to his sister?-J. I. C. Ans.-The departmental rulings rein the event of any person who obtained entry for a homestead becoming insane or mentally incapable, and by reason of such insanity or mental in-
capacity, unable to complete capacity, unable to complete the reof letters patent therefor, the guardian or committee of the said person, or death, would be entitled as his legal
representative to do so, shall only be representative to do so, shall only be
required to fulfil the conditions as tơ
the erection of a habitable house and the erection of a habitable house and
as to cultivation before the issue of as to cultivation before the issue of
the letters patent, but the letters patent she letters patent, but the letters patent
shal until the expiration of
three years from the date of entry. three years from the date of entry.
Letters patent in this case would issue to the guardian, presumably the
father or the legal representative of the homesteader. It could be made to the sister. Brother-in-law and sister
can finish duties. A HORSE DEAL
Last spring, in April, I bought four one gelding. The ages given were two of the mares seven years each, one
mare between nine and ten, the gelding 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 hours' work at a time, so I have allowed him out on the pasture most of
the summer. I wrote the party from whom I bought this horse, explaining my seeding operations, and asked him to exchange horses or help me over
the seeding. In reply he stated there
was nothing wrong with' the horse and was nothing wrong withe the horse and
all it needed was a little stock food and all it needed was a little stock food and
to be turned out to grass; this, in spite
of the fact that I bought the horses to of the fact that I bought the horses to
put me through with the spring opera-
tions was able to do a day's work. I have been compelled to do with the three
mares and If find that the mares' muscles
tremble after reaching the end of the tremble after reaching the end of the
field, a distance of 120 rods, with a three-horse seeder, and one of them
especially trembles. violently even after especialy trembes ailenty even after
giving her a rest in the middle of the
stretch. I have taken the mares to stretch. I have taken the mares to
be covered and the stallion owner refused to allow the horse to do service,
on the ground that the mares were too on and that it wauld be a waste of time
old
to bother with them. This was serious so I got a qualified veterinarian to examine them. He gives the ages of
mares, one of them 15 to 16 years, one
14 years, one $1: 3$ to 14 years and the
gelding rising seven year gelding rising seven years. He states
that the trembling of the muscles is
due to old age that the horses were doped, for in spite

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. 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 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 In any event we think it would be advisable for you to engage a responsible solicitor, as the amount involved is 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 1. Plain home and camp cooking and meat and fruit preserving; somement where help cannot always be had 2. Poultry and hog-raising. he had. . Buttermaking.
nimals.
Irrigation.
Alfalfa raising
Truck farming and fruit and berry growing.
8. Bee
8. Beekeeping
landscape gardeniwer gardening and Ans.-1. Boston Cooking School Cook ( $\$ 1.50$ ).
2. Poultry-
2. Poultry-Raising. Write the departments of agriculture at Victoria,
B. C.; Edmonton, Alta.; Toronto, Ont.,
and Ottawa and and Ottawa, and procure such bulletins Aside from these a good text book is he same departments for bulletins on 3. Canadian Dairying by Deal (\$1.00). (\$1.50) Farmer's Veterinarian, Burkett 5. Irrigation for the Farm Garden 6. Coburn's book on Alfalfa
7. Green's Vegetable Gardening (\$1.00)
Success in Market Gardening Success in Market Gardening (\$100) cents). (5) ( $\$ 1.25$ ) Langstroth, on the Honey Bee 9. Landscape Gardening, Waugh 50 cents). The Beautiful Flower Gar-
den, Matthews ( 40 cents). dealing with the subjects given. Some along thay not discuss their subjects Columbia, nut they should give an idea of the general principles of the work
they refer to. These books may be obtained through this office at the price
stated. The bulletins mentioned are

TRACTION ENGINEERING hat some institution had sent men out ho had been learning traction engine hat number would you having mislaid what institution it is, and whether they or not. I would like to apply for a as to how long it takes to learn, and Ans.-The notice you refer to was
probably that of the Manitoba Agriculcourse in traction engineering each tion thereto by applving to the princi-
pal, W. J. Black, B.S.A., M. A. C. Winnipeg.

BULLETINS WANTED lets relating to the preparing of ground and raising of wheat. Also pamphlets Ans.-W cuiture. Ottawa. for such bulletins as
they have published on wheat culture. also the departments of agriculture at
Edmonton and Regina. Bulletins will
End

August 31, 1910

Wheat," by Dondlinger, is th work on the subject of wheat, prest
$\$ 2.00$. No bulletins on horses have
heen been issued in any province in the
Dominion save in Manitoba. You may possibly obtain a copy of Proumssor
Peter's pamphlet on the clascif Peter's pamphet on the classification
of horses, by writing the Manitoba Agi cultural, College, Winnipeg. A good
deal of information on horses, breeds. management, feeding and so on is con tained in the Farmer's Clyclopedia of
Livestock ( $\$ 4.50$. This is an excellent book of reference on all livestock sub-
jects. The book on wheat and the Clyclopedia may be obteined through QUESTION of Straw and revt A rents his arable land to B for a cash
payment. To whom does the straw payment. Who whom does the straw
belong? What is the usual time for stances? - A. M.
Ans.- In the absence of any agree-
ment to the contrary the straw would agreement that rent should . of any agreement that rent should be paid in
ddvance it would be payable at the
termination of the term. WANTED: INFORMATION ON I have been reading a good deal about
the use of gasoline tractors in farm work and am thinking of getting one. very much to have the experience of
some of your readers who have been using them on their farms. I thought would take it as a great favor if yo would invite correspondence on the
subject as to what they can do many plows they can haul on stubble harrows, seed drills, etc. Our soil is heavy sandy loam. I would like very much to know as much as possible from omeone who is done with them and how what ca orse power mentioned would do on arms of 300 acres.-E. H. W
Ans.-We might answer in a general giving excellent satisfaction have bee the West. We are informed by manuacturers that demand for engines last pring was beyond all expectation the work which the engines have bee doing. About a year ago we published using gasoline and steam tractors and were most favorably spoken of. There is not so much information as to the use of tractors in drilling, disking, etc., a there is in plowing, for which work these largely used. We are inclined to think you would be better with an engine ousers is that it is better to have more power than may be required than to be
forced to crowd the engine near th
maximum his time to receive letters from reader using gasoline tractors in answer to the
points raised by this inquier. RAINFALL
What is the average annual rainfal Ans. -The annual rainfall at Bran station is 15.46 inches. This is the

## Questions

ANSWERS

## Enanires dealing with matersof of vetrinar




## sweeny-hens dying A disease has broken out among m. hens. which I cannot, in spite of ail

 die. A four-year-old colt has sweeny
2 . 2. A four-year-old colt has sween
four months I blistered it a few days ment. but without success. Give treat
3. What is the best book about th horse and his diseases?-E. E. E.
Ans.- From the symptoms im
possible to state exactly what the possible to state exactly what the
trouble is. Would advise post-mortem examination of lungs, liver and other organs. Such symptoms as you give
indicate that the disease may be tuber indicate that the disease may be tuber
culosis. It would be advisable for you to send the lungs, liver and digestive to the provincial bacteriologist, Regina, who could give expert advice as
to whether or not the trouble is tuber to whether or not the trouble is tuber-
culosis. If it is you will have some culosis. If it is you will have 2. Treatment consists in stimulating
flow of blood to the poerly-nourished parts, for sweeny is simply a wasting
of the muscles of the shoulders. The great nerves of the shoulder are affected

and in consequence nutrition is im paired and the muscles waste away or cure, give the animal a long rest a strong stimulant liniment. Make up a blister of biniodite of mercury, drams; powdered cantharides, 2 drams | parts and rub the blister well in. Tie |
| :--- |
| up the horse's head. Wash off in 24 | hours and smear with vaseline. Repeat blister in two weeks. Better treatment

consists in rubbing the parts twice daily with a stimulant liniment made as follows: Alcohol, 2 fluid ounces; oil of
turpentine, 2 fluid ounces; liquor ammonia fortier, 2 fluid ounces; wate 3. A good book on horse diseases is
The Farmer's Veterinarian," for sale through this office for $\$ 1.50$. "VeteriCary Notes for Horse Owners," by Captain Hayes, is a good bo
$\$ 4.00$, through this office.

SWOLLEN ABDOMEN
Have a mare with an enlarged stom ach or hay gut and would like to making the mare fail in flesh. Whe is ten years old and is in very good shape
She had a colt this spring, on the 3rd Ans.-The Ronly safe way to reduce the size of your mare's abdomen, is by restricting her hay allowance. This may
 evening meals and withholding hay entirely from the noon meal.
 eight weeks last winter with distemper
His throat swelled so badly we had to
lance it several times ance it several times. It seemed to
leave him soft in the wind. He seem all right when walking or trotting lowly, but when speeded or excited
he breathes heavily. Would it be ad
isable to blister his visable to blister his throat or wha
treatment would you suggest?-C. W. Ans. - The disease from which your
horse suffered last winter has caused him to become a roarer. Roaring frewhen this disease has attacked the throat severely. You may try a bliste
made of cantharides, two drams; vase line, two ounces. Mix well, clip off the
hair right around the throat and well hair right around the throat and wel
rub in the blistering ointment for fifteen rub in the blistering ointment for fifteen
minutes. Wash off the blister in twelve hinutes. smear the part with vaseline
hours and
If necessary, repeat the blister in three weeks.
The most likely way to bring about a
cure, is by an operation on the voca cords, if you can find a sur
Ten-year-old horse went lame about six weeks ago, and has gradually gone
worse. Blacksmith could not find corns, and shod him with leather pads. the forefoot on the toe. I cannot find does not flinch with pressure applied dvice. - J. E. are unable to diagnose the advice.-We are unable to diagnose the
Ans. -
nature of the lameness in your horse,

## WAIT AND SEE our CATALOGUE <br> FOR FALL AND WINTER



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art and a true in-
dex to the latest styles from the
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For Canadian use, write
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GAS TRACTION CO., Winnipeg, Man
give (standing on his toe). The trouble shoved the following symptoms: Went of recently imported Percheron and three females-1 and 2, Shields. Bull
appears to be in the foot. But the rapilly thinner, curved backbone, throat pespears is unknown to us, as we have so swelled and became hard in the middle Belected with the special view to meet- and three of her progeny-1, Shields ittle 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. hite conclusion. Since you cannot find muscles of body and belly became very trade, and farmers contemplating pur- . polled angus and gallowar evidence of corns, it may be a sprain tender, so that to place the hand against chasing would be well advised to pro- The honors in the Polled Angus was
of the tendon in or near the foot, or the belly (without pressing) caused him cure from Dr. Hassard, particulars of divided ber of the tend. However, the best thing to do under the a remarkable manner. Skin and hair Prospects point to still higher horse Ellett, Strathcona. Those are the circumstances (if you cannot consult still good, temperature and pulse values in the Canadian West and the two leading Angus herds in Alberta. a veterinarian) is to take off his shoes normal, eager for oats (which are rolled) time to buy is always Now. It is Hutchinson won the greater number and poultice the forefeet, or stand him but only plays with hay, and hardly probable that breeding horses will be of the championship prizes. W. E. at a time twice aday. making water and manure and groans present.. - of Galloways, and he won practically
FOOT ROT IN CATTLE in the effort. Local veterinary says he
What is the cause and cure of foot Ans.-Foot rot is a disease usually associated with sheep. It is a chronic ulfammation of the foot, marked by ness and discharge of sticky material with a very fetid odor. It is produced by a germ that lives in the soil and surfaces chafed by barbed wire, stone or gritty clay, which becomes lodged between the toes. Treatment is antiseptic. Usually good sheep dip is
used. One pound of pure carbolic acid used. One pound of pure carbolic acid solution. With sheep the disease may 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 named. The disease does not usually

> A VERY INTERESTING CASE sick in the spring, lost flesh rapidly sick in the spring, lost flesh rapidly, glossy, eye bright, but he is thin as a Chich Boule Dog." by Ballantyne. The dinior bull calt-1, years old -1, Harper \& Son ; 2, San a case of swamp fever in its early stage; of ean't find a moment just now, get hold four years and over-1 and 2., Shields; Harper \& Son ; 2, Rice Sheppard. Bull treatment given was drastic and was time. If you don't save them we Shields , 2, Cresswell. Heifer, two Sheppard. Junior bull calf- 1 , Sporle
continued all summer. It is now con sidered by the veterinary that all trace the copies that are missing. 1 Heifer, senior yearling - 1. Shields; Cow, three years and , 3, Crawford



August 31; 1910

Farmer's advocate and hone journal, winnipeg


Sharples Dairy Tubular Cream Separator

## Was pert all. H. W. Watkins. of olds

 Suffolk Downs, Hampshire Sowhe DiresSouthd Brantorns and Leicesters. T. A. Cor vinner in many of the classes. Coxi, W. T. Shutleworth, of Gaetz
Vaviley, H. W. Watkins, of olds, and Wh. Sorle of Edmonton. ${ }^{\text {Sutoth }}$ Downs, H. W. Watkins, Olds nd JJ. Rye \& Soss. Edmontons, Adis.
Hamphire Downs, H. W. Watkins Leicicsters. T. A. Cox, W. T. Shuttle Cotswolds, T. A. Cox and F. Orchard Graysville, Manitoba.
Southdowns, Y. A. Cox and H. W. atkins.
The prizes were awarded as follows Ram, aged, 1,1, Cox $; 2$, Watkins; ew

 watkins; best pen of
A. Cox; $;$ and 3 , Watkins.

 shearling $r$ ram, 1 , Sporle $;$, Shuttle
worth; 3 . Watkins; ram lamb, 1 Co
 Ram, aged Ram, aged, 1, Watkins 2, Rye \&
Sonss aged ewe, 1 and 2, Rver
Wathen ins; pen of three tames, 1 and 2 , Wat , Watkins. $\quad$ IBICBSTERs
 age ewe, 1,2 and 3 , Cox; sheariin Saskatoon $; 2$, Harper \& Sons; 3 , Wat. ram, 1. exp; ram lamb, 1 , Shuttleworth
Son. Jos. Harmer shampionship prizes.
The competition in this breed rested 3 . Comar; aged, coxiaring aged ewe, 1,2 an hotween Mitchener Bros., of Red Deer, ram lamb, 1, Cox; 2 and 3, Fran (J. 'smith, of Clover Bar, and I H. Orchard; pen of three ewes, 1, Cox Holmes, of Strathcona, were other ex. bibitors,
Bull, $t w o$ years as awarded : -1 , Ferguson ;
But Sinthener Bull calf-1 and 2. Witchene Bros. Bull calf, junior-1, Mit thener
Bros: 2 and 3 , Ferpuson,
. Bros. 2 and 3, Ferguson, Cow, three
 id $-1,2$ and 3, Mitchener Bros. Heiter,
 Calf, senior-1, Holmes in Mit Menerer
Bros
Bunior heiter calf -1, Holmes 2, Mitchener Bros: ${ }^{3}$ Smith $;$. 4 . Fer
guson.
Herd, buil and three femalesguson. Herd, buil and three females-
1, Ferguson ; 2. Mitchener Bros. A. H. Trimbe, of Red Deer ; J. M Brice, Lashburn, Sask,, and J. J.虭e exthibitors in the Ayrshirc classes. herr have attended and tot the teauring exhnotions in Western Canada, and
honors have been well divided between
and them. Jas. A. Jackson, Leduc; J. A
Davis, Strathcona, and T. S. Mattison of Edmonton, had representatives
the
In othtest.


 ards ; 2, Trimble $\&$ Son Senior bull
calt -1 and 3 , Trimble $\&$ Son $; 2$, Bruce Bluebell of Ormiston: 2,3 and 4 Trimble \& Son, on Woodside Lovely, Heifer, two years old-1, Richards; 2,
Trimble \& Son ; 3, Richards. Heifer, one year old-1 and 2, Bruce : 3 ,
Trimble \& Son. Senior heifer calf1, Bruce ; 2 , Trimble \& Son; 3 , Rich-
ards. Junior heifer calf- 1, Trimble $\&$ Son ; 2, Bruce ; 3, Trimble \& Son.
Herd, bull and three females- 1, Bruce ; 2, Trimble \& Son.
 made the awards in the variouss clastos.

The exhibitors of Yorkshires were
Buck, Wi. Acore Tros. Tess, Alt
and in Edmess, nid, male, 1 , 1

## SWINE

There was a good representation of popular in Alberta. A. W. MacIntyre ond winglon, ontaro, made the award bacon hog and the endeavor has been for packing purposes. Jos. Rye \& Sons of Edmonton, won the special prize given for the best sow and boar, any
breed, the prize to be awarded to the ones possessing the best bacon type
Mr . Rye was in strong competition, but his favorite Tamworths won for him the
prize. In the Berkshire classes there was
rather strong competition. The exhibitors in the class were, P. J. Mullen Ontario; L. Hutchinson, of Duhamel and Rice Sheppard, Strathcona. Prize 1. Mullen; 2, Cox; 3 , Hutchinson; boa
ne year old, 1, Cox; 2 and 3, Sheppard boar, four months and under one year Sheppard; 2, Mullen; 3. Cox; sow
ne year or over, 1,2 and 3. Cox; sow four months and under. one year, 1
Mullen: 2 and 3 , Cox; boar and four his get, 1 and 2, Cox: 3, Sheppard
fweepstakes boar, 1, Cox; 2, Mullen

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 and lower edge are finished with fancy
knitted border pocke iether side made
with flap effect, trimmed with buttons. COLORS - Plain white, grey or brow
SIZES- $34,38,38,40$, and 48 bust

mentich women'e coet rench Jacounard stitch, made 42 inche wer edge, is singsie-breasted style, with white,


The Veterinary Association of Manitoba
Under the authority of Sece. 18, 19, 20,22 and 28 of the Veterinary Association Aet, 188
:3 Vic.. Chap. 00 , the following persons only


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## WANTS AND FOR SALE








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## POULTRY AND EGGS



## BREEDERS' DIRECTORY



lambs, 1 and 2, Davie; ram, any age, 1, Davie, ewe. 2, Davie: 3, Richardson: ewe lambs. and 3, Davie; 2, Richardson; best ewe 1, Richardson; best pen, 1 and 2, Davic Shropshire awards: Ram, two years,
1 and 2, Wilson; 3 , Richardson. Shear ling ram, 1,2 and 3 , Wilson; ram lamb , 2 and and Wilson; best ram, 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
VER
(Continued from page 1274) on many phases of the question. The a company to build an elevator, wharf ward and outward traffic of grain in this city. He spoke of the question of government - owned elevators and he should regulate the handling of grain. 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 thar
of the farmers of Washington and Or. egon. This method is also a great a dividual farmer's grain, which was the
question of the greatest importance tos day. The captain went on to say that the storage of grain on the spot was large orders from abroad that had to be filled within a limited time.
hat he had investigated th, stated problem thoroughly and his investiga ions had taught him that sacking was very unpractical for the Alberta farmer Alberta fields was very apt fo beco the musty at the sea level of Vancouver.
Mr. Crearer, president of the Manito Grain Growers' Grain Company, had thoughterabe that the on the subject. He
thist necessity was acilities in Vancouver for handling tha Aberta grain, and, he believed, the
Saskatchewan grain. However, it was his opinion that the handling of the
grain in bulk was the best method, rain in bulk was the best method,
lthough exceptions would have to be made for the Oriental trade. He looked on the development of the Western
poute with great interest.
To-day Montreal was receiving government as pete with the American ports to the south, but he thought it was not righ that Montreal should be the only por
to receive assistance and that Van was worthy of the same atten
E. J. Fream, secretary of the Albert Farmers Association, in very emphatic
terms stated that he wished it under stood that the Farmers' Association
tood for and would not be cantent with anything else than a government
ontrolled terminal elerator at ontrolled terminal elevator at Van had ben fighting for this, and it was
felt that something known as regerds the same before a
great while. After considerable reat while After considerable ex
pression as to the success of the conver ion, the. convention was adiourned.
Captain Worsnop banquetted the epresentatives from Alberta, at which a number of speeches were made by
men well versed in Western trade reThose who attended the conventio from Alberta were; Jas. Bower, Red
Deer. $W$. J. Tregillus. Calgary; Jas.
Speakman Jency. Seakman,
Edmonton, J. Fream, Innisfail; L. H
elliff, Spring Coule:
E. Griestact Ielliff, Spring Coulee: E Griesbach
Gleichen:



OAMMED VEGETABLES

|  |  |
| :---: | :---: |
| Beans, pe | 2.1 |
| Oorn, pe | 2. |
| Peas, per |  |
| EVAPORATED FRUITS |  |
| Peaches, per lb. 10c., per 25-lb. box Prunes, $90-100$, per 1 lb . 7 c. , per $25-\mathrm{lb}$. box |  |
|  |  |
| Prunes, $70-80$, per lb . 8 c ., per $25-\mathrm{lb}$. box |  |
| Apples, per lb. 11c., per $50-\mathrm{lb}$. bo | 4.7 |
| Pears, per lb. 12c., per 25-lb. box |  |
| Raisins, seeded, per 16-oz. pkt., per dozen |  |
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$$
\begin{aligned}
& \text { per } 21 \text {-oz. bottle }- \text { evir } \\
& \text { per 2t-oze bottle, extra } \\
& \text { strong }
\end{aligned}
$$ BAKING POWDER, pe AKING POWDER, per $5-\mathrm{lb}$. tin, very BAKING POWDER, per 1-lb. tin cocoanve, Schipps, 2 lbs. RICE, JAPAN, per ll ${ }^{\text {len }}$ per $50-1 \mathrm{~b}$. TAPIOCA, per lbe....

POT BARLEY, 7 lbs.
LAARD, per $20-\mathrm{lb}$. pail Gold Leaf ROLLED OATS, per 20-lb. sack CORN MEAL, 10 per ROYAL OROWN SOAP, per pkt, SUNLIGHT," 6 bars ${ }^{\text {per case, }{ }^{\text {bars }} 144 \text { bars }}$ FETS MAPTHA 10 10 bars VINEGAR, per 1 gall. pail MIXED PICKLING SPICE, per lb.70
.83 831.001.00
5556
.8
 .75 .75
.18 . .35
.05
.00 .185
. .05
2.00
.07 2.00
.07
.65 .65
. .25
.85 2.85
.58 .58
2.10 . 25 $\begin{array}{r}.19 \\ 4.25 \\ \hline 25\end{array}$ .25
.60 .60
.40
1.75 1.75
.20

PEPPER, WHITE, per lb.
SUGAR, per $100-\mathrm{lb}$. sack
.25
reserving season is now in full $\mathbf{5 . 5 0}$ You cannot afford to miss this opportunity TEA, our special household worth 45 c . per lb., a genuine bargain at $\ldots$....
5 lbs . 32
1.50 TEA, a very choice India, per lb ...... $\quad .25$ COFFEE, a really choice Mocha and per 5 lbs.
${ }_{\text {C/ }}^{\text {COFPE, Santos, per }}$ lb.
COFFEE, Green Rio or Santos, per lb. HERRINGS, in tomato sauce, per 6 HERINANGS, in tomato machonicies, SALMON, Crest Brand, per doz. tins SARDINES, King Oscar, per 6 tins Deadian, per doz. the $\quad .50$ Don't forget that when you buy from us FRUIT JARS, Masȯn, pints, per doz. ." $\quad \begin{aligned} & \text { Quarts, per doz } \\ & \text {-gall., per doz }\end{aligned}$ $\frac{1}{\frac{1}{2} \text {-gall., per doz }}$
pelled, but some are retained in the
clearance. After this the fifth stroke clearance. After this the fifth strok begins, which is the same as the firs
stroke, and subsequently the whol
series repeats itself indefinitely and stroke, and subsequently the whole
series repeats itself indefinitely and
automatically. While the above operations are usua portant, an engine having no more portant, an engine having no more
mechanism than is shown would not
run. There will be required in addirun. There will be required in addi-
tion to what is shown a valve gear, tion to what is shown a valve gear,
which is a mechanism for opening and closing the valves at the proper time. There must be also some device for making a mixture having the proper
characteristics for explosion. This mixture will consist of air and the vapo of the liquid fuel, so that there must be supplied a carburetor, which vapor-
izes and mixes at the same time or izes and mixes at the same time, or a
vaporizer which vaporizes without mixing. There must also be a mechanism for automatically producing an electric spark at the proper time. This con stitutes an igniting gear. The ex
plosions will heat the cylinder so much that a lubricating oil will burn and the piston stick; therefore some cooling
device must be supplied 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, regathis requires a movernor. 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 tem is required.
Different makes of engines differ in
details. All have some


christmas king, young hereford bull sired by happy christmas
the Noted champion, owned by wa. Shields provision for performing what is pointed to C. H. Rowe, of Strassburg, Sask. isted for two centuries still continues to
out as necessary, and it is here that This horse is a noted animal, being the expand in spite of the fact that the
inventors and engineers exhibit their champin Belgian inventors and engineers exhibit their champion Belgian at Seattle last fall. competition of other companies has c sult of the combustion of the explosive tained for service in the Canadian West. its affairs was taken away forty years mixture of vapor and air, and a proper understanding of how the various PROGRESS INDICATED styles of mechanism or changes in de-
tail may affect the engine, requires a preliminary knowledge of their effect "The ensus and Statistics Monthly says POMPON GOES TO SASKATCHEWAN The Belgian Horse Ranch have re-
cently sold the noted stallion, Pompon, ently sold the nots applied within that period, and now gathering in furs from the Indian for per and hunter there are in many places, as in Winnipeg and Edmonton, modern emporiums established to conduct trade can command and control. The lands acquired by the company at the time of settlement with the Dominion Gov-
ernment, embracing every twentieth ernment, embracing every twentieth
section of the fertile belt--that is, in 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 vear make these lands more valuable, and prices are going up steadily with the progress
of settlement. In the last fiscal year 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. 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 $\$ 47,074$ in the previous year. From
1901 to 1910 the net recer sales and furs and trading profits were $\$ 14,867,400$ and the division of profits this period the value of the net yrofits was $\$ 334,541$, and in the net profits $\$ 1,976,845$. The dividend in the year year was $\$ 365,000$, and in the first
$\$ 1,946,666$.
Northwest lies at expansion of the the bottom of Northwest lies at the bottom of this
business development, and the figures
are egiven for the illustration they afford
of progress in our new country.

## METALLIC CEILINGS

are everything that plas-
ter, wood and wall paper are not.
Metallic Ceilings are fireproor, absolutely. Metallic Ceilings don't get damp or mouldy-don't need repairs.
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the facts.
TheMetallic Roofing Co. manufacturers Limited TORONTO AND WINNIPEG


TORONTO EXHIBITION


FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG
AGRICULTURE IN THE ORIENT
A bulletin recently issued by the S. department of agriculture says the
Orient still remains almost unexplore Orient still remains almost unexplored
and unknown as to its agricultural
treasures, and economic exploration treasures, and economic exploration
rather than scholarly research is needed to make that land known and its value appreciated and to secure for the introductions. There are to be found
some of some of the best cultivated varieties
developed by the combined developed by the combined efforts of
man and nature for thousands of years and there, also, are almost all of the tors upes which our prehistoric ances-
ved $\left\{\begin{array}{l}\text { vated crops of our time. } \\ \text { The report under review deals es- } \\ \text { pecially }\end{array}\right.$ should be introduced into the far West and Southwest from that portion
the Orient known as Palestine. ready the Smyrna fig and Thompson
seedless grape, among other fruit Kherson oats and hard Russia and Turkey wheats, among cereals, have
been introduced into the United States
and and made it possible to extend culti
vation 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 futu-e possibility.
This land closely resembles California, except as to the extent of area;
in fact, is practically a California reduced to about one-twentieth in size graphy, climate, vegetation and agric 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 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 land turning into arid or desert lands. a humid and more temperate one.
Palestine is even more favored than California with regard to winter tem-
perature, for although as in California
the thermometer rises high in it rarely drops in the winter to the freezing point. Snow is rare even on the
plateaus, and farmers in almost all parts of the Holy Land are safe from
any damage by frost. Curiously enough, the list of flor
of this small territory of Palestine in cludes approximately the same numbe
of species as that of California-about 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 compared to the chaparrel and chamiso of California; and the forms of vegeta-
tion of the Lebanon and the Hermon mountains are much the same as those
of the Western slope of the Sierras This analogy of the flora of Palestine with that of California justifies the
expectations of the best results from

Among, the large number of wild
species and varieties found in Palestin species and varieties found in Palestine
is the wild emmer, from which our
cultivated types of wheat and related 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 covere
with this cereal, and it was found grow
ing near an eastern branch of the ing near an eastern branch of the Jo
dan, 500 feet. below sea level, and upon
the slopes of the mountain, 6,000 fee the slopes of the mountain, 6,000 feet
above sea level, or in the zone of al
pine plants. By selection and cross pine plants. By selection and cross-
ing of this wild cereal, which prefers
poor, tocky, 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
impossible to produce it.
The study of this and other wild $\left\lvert\, \begin{aligned} & \text { types of our cereals does not con } \\ & \text { fine itself to a merely botanical and } \\ & \text { historical end, but becomes intensely }\end{aligned}\right.$ amisuab 2w mern
 are dong by hand or giving out. Of winter, as the are free from fruit pests of all kinds. DOMIMON TRUST CO , ITB RECIHA, Out-of-town customers, are allowed
sixty days in which to verify the trutt
of this If not of this If not sat isfied on inspertion
within that time, your money will be
returred

## FALL BULBS

For outdoor and indoor planting
Write for catalogue, ready August 25th.
Also have your name added to our Mailing List for Catalogue of "Selected Seeds for Western Canada, ${ }^{3}$ ready about January 1st, 1911.

## 

 WINNIPEG.CANADA Aimited.IMPORTANT NOTICE gasoline engines to do that pumping, sawing, grinding or any other wor

Let us tell you or refer you direct to some of our satisfied customers. Our Catalogue 16 G , explains $1 \frac{1}{2}, 2 \frac{1}{2}, 3 \frac{1}{2}, 5 \mathrm{H} . \mathrm{P}$.
LONDON GAS POWER Co., LImited LONDON Formerly scott machine co., Limited OANADA

KELOWNA IRRICATED FRUIT LANDS THE PRIZE WINNING DISTRICT OF THE - KANAGAN VALLEY

The new sub-division, "Glenmore" is being placed on the market.
Ideal location, one-half mile from town limits. practically level and a good portion prepared for planting in The company is installing one of the most perfect irrigation systems perature seldom the plainsman understands it, there is none. The temApples have given results of $\$ 750.00$ per acre. Crop from four-year-old fruit worth \$9,000.

OR PRICES AND MMCAN IANDS, LIMITED, KELOMMA, B

## HOMESITES at VANCOUVER <br> ERINDALE

Ecarge 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 bride to bring you a huge profit. Roads are being clearded and graded
through the property NOW.
The bridge will be completed in a year and a half.

CAR FACTORIES AND GOVERNMENT DRY DOCKS the construction of which is just starting. further out, will make values double here in a
yeare I. In five years this property will be built up solid and in the heart of a buyy 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
WE
WE GUARANTEE ALL LOTS TO BE HIGH AND DRY, FREE FROM LARGE
ROCK AND GULLIES OF ANY KIND, TO HAVE GOOD SOIL AND NOT MRRE ROCK AND GULLIES OF ANY KIND. TO HAVE GOOD SOIL AND NOT MORE
$\qquad$
D. MacLURG, 340 Pender St., Vancouver, B.C.
Please send me particulars of ERINDALE.

Advocate ads give good results

## Ideal Traction Gasoline Engine



This is the engine thar 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.

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



# Here is our New Fall \& Winter Catalogue 

## 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.
The enormous increase of our Mail Order Business now enables us to respond to your good will by being the first store in Canada to extend FREE DELIVERY TO ALL CUSTOMERS.
You need no longer figure out postage, express or freight rates, because the prices ouoted in our catalogue are what the goods will cost you at your nearest station, except heavy or bulky goods, as stated in the catalogue

## OUR PART

The Simpson Store-cne best constructed and bes equipped mercantile building in the Dominion-is now practically your nearest store.

Its immense stocks bought direct from the manufacturers for cash mean economy to you.

The worthy, honest goods, made for service, and the prompt response to your request for return or exchange, mean comfort and satisfaction to you.

The latest, most stylish and up-to-date merchandise in every department means pleasure to you.

## YOUR PART

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

Our new free delivery system makes it profitable for you to order your entire needs from this store
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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Editor Farmer's Advocate
Editor FARMDING EGGS
What is meant by " candling eggs " Is it a preservative method or merely it is quite evident that the poultry Describe construction of and state
province: Over one hundred and seven- dimensions of an exhibition coop for
POULTTRYY province. Over one hiundred and seven- a single bird, the material to be lath,
ty-five members joined the association. a
Officers elected were : President, F. B canvas or screening.
Cole. Burnabv Cole. Burnaby were : President, F. F. B
Cice-president, W. A. ports that quotations for eggs generally Ans. E. P. state they are subject to candling. Ans.-The regulation size of ccops Alta. Candling is examining eggs as to B. C. $\_$POULTRY ASSOCIATION urer, M. A. Iull, Victoria; board of, is as follows: Bantams, 18 inches their condition. The process is very An event of great importance, bear J. Isherwood, Nanaimo, H. Koelken- square; Leghorns and breeds of that simply performed in a dark room. The



our city" tractor pulunga ten phows
You Want a Safe Engine for Threshing Purpeses
That Won't Set Fire to your Property The Stickney Giasoline Portable and "Flour City" Tractors are such

They Furnish the Maximum of Puwer at the Minimum of Cost.
YOU WANT WATER?
One of our WELL DRILLS or AUGERS will find it for you and Our Aylmer and Toronto PUMPS and Canadian AIRMOTORS
Our AYLMER STANDARD SCALES will weigh your Grain and Stock, and thus save their cost in a seavon.
Our TORONTO GRINDERS and SAWS will chop your fee 1 and

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

Ontario Wind Engine and Pump Co., Ltd., winNIPEG

TORONTO
CALGARY

## 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.


## STANDARD Hand Separator 0il

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 separaeffort and leang from milk. It lessens the driving

One gallon cana, All dealens. Or write to
The Imperial Oil Company, Limited

## WALL PLASTER

When figuring on that new house do not overlook the
Ask for Sackett Plaster Board
and the Empire Brands of Wall Plaster
rite Company, Ltd.
Manitoba $\underset{\text { WINNIPEG, MANITOBA }}{\text { Gypsum }}$
$\qquad$
ture, and is turned over in different
positions to see if there is any opaque 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 egg, ist
almost brilliant as a the candling does not discriminate be-
tween a fresh egg and a stored egg. tween a fresh egg and a stored egg.
It discriminates between an egg which we consider edible and one which has progressed so far
as to be inedible.

Probably the very best mediumpfor the transfer of disease germs from
fowl to fowl is the water dish or fountow. This is especially true of those
tain.
disease afecting te head throat and diseases affecting the head, throat and
lungs. The ailing bird, in getting its drink of water leaves germs which the
niext 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 throw oft the germs and experience
no illness ; if not, it may quickly sicken.
Another source of trouble is the feedAnother 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 disease ink dishes should be thoroughly
and drink disinfected every few days by scalding
with boiling water, and if any colds or with boiling water, and if any colds or
other ailments are discovered in the other ailments are discovered in the
flock, once a day is not too often to fock, once
scald them.
WHAT TO FEED AND HOW:TO FEED
Some writers tell us that the various to the age of the chick; that a month old bird must be fed slightly different reasonable until one commences to work it out; it is then found to be unworkable for the average poultry-
raiser. In my experience $I$ have found Traser. in my experience
that the simpler one can make the feading the better. It doesnt' neeco-
sarily take a chemist to mix feeds for secrily take a chemist to mix feeds for
poultry, and growing chicks will thrive Oon any good food they may get. True
the small chick just out of the shel 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 incuator 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 eeg in meat scraps, cracked grains usually ted whole. We feed the growing chic
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 feedin
growing pullets it is well to bear growing puliets it fod well to bear in 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 flate years the hen
here will hardly ent peas. They were not used to then
while growing, and would only eat them when nothing else was available. Cor is one 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 fe As a rule, the cockerels will be fe
off before winter, but as most raiset to separate them from the pullets, the
get the same feed while same feed is good for them, as it wil
most likely be used in fleshing them fo

## without too much tlabor is by means hoppers. We have two or three tho

hoppers we have two or three thous
and chicks running at large that ar
fed about once a month They
housed in colony houses in a clove
field, in which is a patch each of cor
and buck wheat. The houses are placed
upon blocks to give shade; hoppers are
placed in the field, one for every thre
or four houses. Feed is put into thes
$\qquad$ Chicks have free ran
Tequire much feed ,u
some available when


DAIRY, FRUIT TRUCK FARMS

acres up, close to Abbots- ford, on electric road. Best The tion in the Fraser Valley. The garden of British Col- umbia. Crop failures un-<br>JOS McCallum. abbotsford, B. 6.




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Canadian Branch, Sun Buildind, Toronto, H. M. Blackburn, Manadea LGEMTS WAMTED III UMREPRESEMTED DISTRICR


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GLENALMOND SCOTCH SHORTHORNS so-herd humber Eligty head-so
 C. F. L.YALL $-\quad$ STROME, ALTA.


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Have two or three highly bred bull calves
for sale at bargain prices Cor sale at bargain prices for the next thirty
days.
Have one sire ready for service from
 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. W. M. GIBSOM, 159 Alexander Ave., Winnipeg

## 10

## BramptonJerseys

Canada's Greatest Jersey Herd
We have oovered the big fairs in the West and animals from our We heve full line of cows Hefreps an an regina. We have a full line of cows, HEIFERS and bulls. Reliable BUTTER-BRED STOCK for sale.
B. H. BULL \& SON, BRAMPTON, ONT.


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We are offering $\$ 25,000$ in premiums
The show will be held in the unre The show will we. held in the large
horse show buiding and spacious,
hom
 ings adiacent thereto, but all conneeted
up so that visitors may view the entire

 | show witht the eeart |
| :--- |
| income electric car lines |
| from the entes of the exhibition extend | trom all parts of the city. In the centre of the great arena there will be a special-

iv constructed plattorm where the 48 th ly constructed platorm where the 48th
Highlanders'
band of
Toronto. wil

 rounding this arena is a a galery yist
seating capacity of 3,000 , where

CAULIFLOWERS SELL better
The The common pratie among those
whe cater tom hithas trat is thote
the tips of the leaves loosely over the

the top of the head. The illustration shows how N. M. Ross soos it on
Forestry Farm at Indian Head.
STRA Wberries in british COLUMBIA
At Mission Junction on the Fraser
River small fruits are grown in large River small strawberries being pre-
quantities, straw
dominant, 8000 crates of these being the output this year. At this poin I learn the most profitable strawberry
is the Dunlop, which is grown in the is the Dunlop, which is grown in the
matted row system, producing a heavy
crop of medium-sized berries. I like mop or medrum-sized berries. I like
merries of best, however, as it produces
beromenal size, the best berries of phenomenal size, the best
varieties being, to my mind, Gladstone
and Magoon, both large, firm berrie 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 well, and then plowing up a red clover
sod, upon which I grew potatoes, the
| soil being a sandy loam. This crop soil being a sandy loam. This crop
of potatoes worked up the soil, got rid
of white grubs, and checked all weeds, of white grubs, and checked all weeds,
thereby saving much labor. In spring
I set out my runners: a single plant in each hill, the hills four feet apart
each way.
All flower buds are All flower buds are removed the first
season, and six runners allowed to form
to each root, the original roots being season, and, the original roots being
to each root, the
strong, and throwing several crowns. strong, and throwing several crowns.
Only the first plant on each of these
six runners is allowed to grow bein $\left.\begin{aligned} & \text { held down in place by a stone six inches } \\ & \text { from the parent plant and six inches }\end{aligned} \right\rvert\,$ from each other around the plant
From this on, all runners are stopped forming; the plants root well, and the Horse cultivation beth ways berries.
Heeps down weeds, so that only the hills hav
to be hand weeded.
Chopped straw or grass clippings ar
used as a mulch between used as a mulch between the rows, ap
plied just before the flowers open This mulch, retains moisture, keeps
down weed, keeps the berries clear
and, finally, gives a good mass of humus
when por

$\qquad$
$\qquad$
$\qquad$

SHARP KIIFE-LLIEE PAIIIS Would Go Through Heart

Thousands of people go about thels
gaily work on the verge of death and yet daily work on the verge of death and yet Every once in a while a pain will seem 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
MLLBURI'S HEART AND MERVE PILIS. Mrs. J. E. Nixon, Riverview, Ont.,
writa:-"Two years ago I suffered with a bad pain around my heart. At timen
it would almost stop beating and then, it would almost stop beating and then,
a sharp knife-like pain would seem to
oo through it. As had heard go through it. As I had heard Milburn's remedy for the heart, I sent and got two boxes of them, and when I had only
used sox sond a half I was entirely free
from pain."
Milburn's Heart and Nerve Pills are Milburn's Feart and Nerve Pills ara
50 e per box, or 3 boxes for $\$ 1.25$, at all
dealers dealers or will be mailed direct on receint
of price by The $T$. Milburn Co., Limited, of price by The
Coronto. Ont.


plowed up, another being made elsestill under control, another ring of plants, six inches from the parents
and six inches apart, can be set out as crop of big berries gathers and anothe an important matter where land is of higher-priced berries can be reaised
in this way per acre than by any B. C. W.J.L. Hamilton.


## NOT "Gas" BUT Facts

Study the Figures and Learn why

## Case Steam Engines

 at 1910 Winnipeg Motor Contest WON HIGHEST POINTS IN ALL CLASSESThe following are actual results that should interest YOU

|  | Coal Used Per Horse Power Hr. In 2-Hr. B. Test | Number of Acres Plowed | 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 <br> 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 ECONOMY
In the use of FUEL and WATER
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