The ONLY Weekly acricultural paper in westernccanada

AUGUST 21, 1907
WINNIPEG MANITOBA
VOL. XLII, NO. 778


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Ottawa of intention to apply for patent
W. W. CORY. N. $\begin{gathered}\text { Deputy of the Minister of the Interior. } \\ \text { B. }- \text { Unauthorized publication of this }\end{gathered}$

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 E. B. CURLETTE

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FARMER'S ADVOCATE OF WINNIPEG,

Contents of this Issue.
illustrations. Baron Keir.-.
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Southwestern Manitoba Farm Southwestern Manitob
Lord and Lad A Aberdee
ATrusty Friend
 EDITORIAL Comparative Crop Estimates Tow the Laborer s. Positio
The Natural Way .o.i.
She Neoded Reorms...
The Good Work of Clove HORSE. Hoks.
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and the cut shows an up-to-date Barn Construction, 40 feet \(\times 70\) feet and the method of covering with Corrugated Sheets. The frame-
work is lignt, as the corrugated sheets, when nailed in place, make the building very rigid. This drawing is made from actual plans compared with the ordinary b construction, will cover the difference in cost between wooden shingles and our "Acorn Quality" Corrugated Galvanized Sheets. This galvanized covering protects your building from lightning,
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Farmer's Advocate
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\author{
August 21, 1907
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WINNIPEG, MANITOBA.
Vol. XLII. No. 778

\section*{EDITORIAL 2}

Comparative Crop Estimates.
A request comes to us to give some data for comparisons between the cost of raising farm
crops in the States and in Western Canada. To do this accurately would be too big a task for
the publishers of this paper, for the reason that the publishers or this paper, for the reason that
the statistics for very much of the tables would have to be collected at first hand. In a broad
general way, however, the advantage is with Western Canada on account of land beeng lower
priced, newer and more fertile here than in the priced, newer and more fertile here than in the
States, so much so in fact as to leave an advan tage after the handicap of higher priced labo
has been overcome. This is of course assumption that the general average of the values in Canada is lower than in the States, a perfectly sound assumption. But there may be
individual farms and localities in the States where land is lower priced and more fertile than certain farms and certain districts in Canada, and as a consequence farm crops could be pro duced cheaper than in Canada. must be arrived at by making comparisons or those items in the cost that can be directly charged to it, leaving out of consideration the
returns from the crop which in actual estimates would have to be considered in arriving at the
profit. These direct charges are labor, including proe operations of all machinery with its depreciation, and handling the crop, seed, twine, and the
rental charge of the land. Upon such a basis it will be seen at once that the lower rental charge against the land is the only advantage that it is the case that our land requires less cultivating than that in older districts, and this as
matter of fact is quite often true. The man who has purchased land for \(\$ 10\) an acre is slow to realize that when land values have
appreciated to \(\$ 50\) an acre the value of the appreciated to \(\$ 50\) an acre the value of the profive times as great to yield the same rate of profit. bushel on \$1o land will return a profit of 60 per cent. on the investment, but the profit is diminStatistics have been gathered of the cost of pro-
Aucing a crop of wheat in the state of Minnesota the items of which are in the state of Minnesota,

\section*{}
 Harrowing.. \(\ldots \ldots \ldots \ldots \ldots \ldots \ldots,{ }^{27}\), \(\begin{aligned} & \text { cow-hine } \\ & \text { the other boys were doing the same, but it would }\end{aligned}\)
 Threshing (labor) \(\ldots . .44 \begin{aligned} & \text { straits. } \\ & \text { would have found it necessary to spend more for }\end{aligned}\) Threshing (cash)
Machinerv rental Machinery rental
young couple who have come West to rough it on days of their parents; the forces of humanity
a homestead, think lightly of the deprivations, increase and humanity is ever by instinct the
estimate for the tariff. Benson's memorable car fare, and an occasional railroad trip, to say
when porsion, which nothing of the hundreds of other items that bull lenged published in these columns, though chal- so large in the course of a year. He probably lifelong had many an endorsation from practical feels, also, that his home is incomplete without growing of whest 1 ren . This estimate placed the a musical instrument of some kind. And why growing of wheat upon such a low basis that shouldn't he be entitled to these things, when his there was scarcely a profit to be found in it. employer is riding around in a five-thousandwheat as grown in Western Canada about equal trip to Europe? Fashion dictates the luxuries theal as grown in Western Canada about equal trip to Europe? Fashion dictates the luxuries with the exception of the rental charge, which is no matter how dishonorably the money that buys probably on an average nearer one dollar than the luxuries has been obtained. Yet there are plenty of people who dwell with horror on the These estimates are for a crop averaging about increasing extravagance of the poor, and if fitteen bushels to the acre. A heavier crop they find a laborer who is profligate or drunk ing and theshing conclusion that prosperity beyond a frugal living siderably greater as the first charges must be set is no benefit to the working man. By these same own against an acre whether it vields fifteen critics, the indulgences and misdeeds of the wellor fifty bushels. In this principle lies the secret to-do are tolerantly condoned, especially if they of success in crop growing; namely, to increase happen to be liberal supporters of public benefac he returns of a crop very considerably over the tions. We talk considerably about equality and an ion to the act accordingly when it comes right down to the

How the Laborer's Position Compares. In discussing this problem recently, we state that church, school, platform and press had outlook and stirring humanitarian impulses 's ward an ultimate betterment of the laboser, position, while hand in hand with these agencies had gone invention, which intellectualized labo and stimulated it to organize and obtain increas ing remuneration for its toil. Well that such influences have been at work, for, on the other ing and monopolizing manyfacture and flecoing the gullible public by floating weated stock and by various other forms of organized taxation, bave ung protective tariffs and unjust especinlytion of much wealth into a few hands, especially on the American continent. It is standards of living, dictate the expensivencouf our fashion, and are responsible for the heavy conomic loss which results from the frequent millinery of styles in every thing, from boots to It must be admitted, to a large extent, that the standard of living varies with the age and the
neighborhood in which one lives. The father who resists his son's appeal for 30 cents to join a base ball team, by telling him how little money he had to spend when a boy, is using an unfair argument. It is easy to do without things one never has had,
particularly if his neighbors haven't them either sting the spirit of the least sensitive lad to be the sting the spirit of the least sensitive lad to be the there are wives to be had men and women usually
only one wearing such foot-gear in public. The marry and troupes of boys and girls gladden the secause their neighbors are in much the same increase and humlanity is ever the instinct the
strait. Had the remained in the East, they enemy of thorns and briars. These reflections
would have found it necesory furniture and clothes So it will pend more for lend color to Mr. McKellar's plea in last week's pare the working man's wages to-day with those - issue for the offering of more inducements to pare the working man's wages to-day with those female immigrants. The only real cure for weeds the canclucion that he years ago, and jump
\(\qquad\) cause for complaint. Rents have increased at a
ieverish rate, the cost of most tsaple lines of goods
has risen considerably since then, besides which there are many new demands upon his purse.
act accordingly when it comes right dow
point in the form of a concrete instance.
The general conclusion to be drawn from the foregoing paragraphs is that, while the unmistakable tendency of modern times, especially in the New World, has been towards an improvement of de lo while the areat for, ture in the laborer's family is undoubtedly vancing, the relative positions of the average working man and the average capitalist employer laborer who far apart as ever they were, and the the demano seeks to conform reasonably well to needs calculate the present-day civilization must type of earlier times

The Natural Way,
The globe-trotter is impressed with certain unvarying circumstances when he begins com paring conditions in different agricultural countries. These are, that where there is a natural popor te steadings and where the relative proportion of steads are less inviting, the borders of the fields are dotted with the flowers of weeds, and about the house and barns will be found hedges of weeds breast-high, rank and defiant. These circumstances are intimations of the direction in which to work to find a solution of the vexed labor problem and a remely for linty fams. Where problem and a rentedy for dirty farms. Whet days of their parents; the forces of humanit enemy of thorns and briars. These reflections
lend color to Mr. Mc Kellar's plea in last week's tunities for weeds to flourish have become out o 11 propertion to the labor to combat the These are about the average figures for the has isen
 To far no official statistics have been collected The working man of to-day aspires - and quite surfoundings just as we all at about fourteen
Western Canada, and in view of the significance properly and worthily aspires above the position sind
\(\qquad\)

Some Needed Reforms
Editor Farmer's Advooate:
Farming in the West is undergoing a change,
is in a sort of transition period, and as a conse
quence many problems are cropping up for
solution. Some of these concern the production
end of the business, some the selling end, and
some the social. Considering the first mentioned,
the one which receives the larger share of the
farmer's attention and at which he is now busily
engaged, many interesting points present them-
selves. One of the primary requisites of the
production end is labor, which at present is
beginning to give the farmer some anxiety.
Requisitions sent in from the various centers for
men, indicate that a considerable amount of
extra help will be required this year, while a con-
sideration of the labor market indicates that the
available supply is none too large. While rail-
road construction is not extensive as was last
year expected, it engages the employment of a
larger number of men and cuts down considerably larger number of men and cuts down considerably Little as yet is definitely known regarding th sions which start from eastern parts in a shor time, but already officials from the two propreparations for their reception and distribution. Take the province of Saskatchewan alone. At
date of writing. August 5,500 men have already been received by the Department of Agriculture and Mr. Hedley Auld,
chief of the Bureau of Statistics, states that chief of the Bureau of Statistics, states that
8,000 is a conservative estimate of the number that will yet be required and that in all probability another thousand will be necessary to harvest
this year's crop. Last year 8,066 men were actually distributed, but this year, although there
is an increase of \(15 \%\) in the average, all of which will likely be harvested, the yield over the province does not promise to be so high so last year
which was phenomenal. Much will depend the weather from now on, as regards yield, and in the matter of the number of men that will be required to harvest the crop. To the thoughtful the question of just how
long we can depend for our harvest help on these excursions, must have presented itself. The supply in the East is not by any means inex-
haustible. In fact, the farmers there have been haustible. In fact, the farmers there have been
for a number of years complaining that the West Ior a number of years complaining that the West
was taking the best of their young men, lessening the available supply of farm help, necessitating a change in their methods of farming on that account and in some districts causing a depreciation in the value of farm land. This is in the
main true. There are on record statistics that main true. There are on record statistics that
go to show that a considerable proportion those that come out on the harvest excursions to return later, while some go back and stay there. As long as our supply of homesteads and to the interests of the railways to run them, we can count on excursions, but the number in the
East taking advantage of them cannot continue as it has been doing. There are not enough young men. The demand here is constantly Recently an ingenious citizen of the Republic to national harvesting gang be organized and foler the harvesting of the crops from South Americ up through the States and into Canada. It operation, but it is doubtful if the Western farmer
can count on that for the solution of his labo difficulties. He can, however, depend on a suppl sions runther source, Great Britain. The excur- P . . last year when some
I, 8oo laborers were brought from England direct to the West, demonstrated what could be done in farther East will not fail for some time. Each year sees shipload after shipload from Great
Britain and other European countries, land in Canado, induced to come by the available home
steads in the West. But so urgent is the Ont farmer's demand for help that a large number of these are intercepted. Many of them, how
-ver, only remain for a year or two then ath receiving a training in farm work they take the the then and

warrant the title "the flour barrel of the world"; to confine our attention and place our dependence
in one crop alone; to strain every muscle of our in one crop alone; to strain every muscle of our
bodies during seeding; to take just enough gentle exercise for a pleasant healthy appetite while the crop is ripening and then to rustle up harvest help, anything that looks like a man, and to go at it again in harvest-time like a whirl-wind is at hand for a change. Wheat growing on In looking over vour report of Saskatchewan's account of the relatively small initial outlay provincial exhibition at Regina I notice some returns that can readily be converted into cash, would like to correct.
is the ideal crop for the homesteader or the The judges were asked by the directors to beginner. But it cannot be wheat, wheat, all select a male champion and reserve, also a female the time. The land will not stand it and the champion and reserve. We placed the Van Horne them a farm in good condition and not one from mentioned) and Baron of Arcola for reserve (not which almost everything but weeds has been mentioned). In the female class Mr. P. M. taken. Bredt's four-year-old, Irene, was placed champion The experience of the past is the teacher of the and W. H. Bryce's yearling, Lady Montrave present, and it is no less the prophet of the future. Ronald, reserve champion; in the later class the We can learn much from other countries or differ- assistance or Dr. Foinie of B. C. was called and he ent districts of the same country. Agriculture reversed my judgment, placing the four-year-old
in older parts was years ago much the same as ahead of the yearling filly. it is here now, that is to say, they grew wheat, ahead of the yearing filly
wheat wheat, and kept at it until the land got Gibson and Rutherforde judgment of M sick of the job and finally so weak that it refused as stated, as Rosadora took the place of Lady o produce a paying crop. Then they quit wheat Rotha and made a different turnout. and tried to coax the land to grow something else, but while it did better at that it was too weak and worn out to return a good profit. Then it out for the towns and cities. Are we drifting in the same direction? To the writer if he reads ine sign aright, there are three facts indicating necessity for a change. The scarcity, frequent nefficiency and high price of farm labor that is and spread of noxious weeds and the depletion of fertility, the decline in the soil's crop producins capabilities,comprise the three. More mixed farming must be done if these difficulties are to beovercome, "Gis is not equivalent to saying to every farmer the newer ones the beginners will find whearms return a quicker profit on a smaller investment heir land being new will stand and in some cases As I am interested in horse judging and horse crop for a few years. But this cannot be con- the same horse, I mean Lady Rotha. was shown tinued. While wheat may still be a staple crop, in the brood mare class at Regina Spring Show a system of farming which will keep down weeds, and as a yeld mare at the Winnipeg Exhibition. enable the farmer to keep his labor the year a veld mare a prize in the brood mare class, nor round and at the same time return a profit, must a mare in foal a prize in the yeld class.
The unsatisfactory nature of our labor supply [These matters are very largely regulated by or prompt, vigorous, intelligent action in regard the rules in the prize list. Lady Rotha, whatever to the weeds cannot fail to have escaped his proved to have been in foal. At Winnipeg the tion in his vields the prize list insists that a brood mare must have a itself rudely upon him before now. These are foal by her side and as Lady Rotha did not foal the facts that have presented themselves to us be shown in the brood mare section eligible to repeatedly. How much longer are we to ignore eligible in the yeld mare class. Personally we
them, to procrastinate and to delay the working think the rules out of a remedy? Many have sought a remedy, should be somewhat flexible, so that a mare that but the great majority still refuse to act. A gives evidence of having raised a foal or of being
rotation is necessary. A judicious mixture of in foal would be eligible At spring shows it is grain and grass growing and stock raising, with difficult to decide very often when a mare is not the manure back in the land, brings about the due to foal until late, whether she is more properly ways in which this may be accomplished, but willing to a yide by the rules of the exhibition enough has been said to convince the most obdu- board.-Ed.]
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think that conclusively proves that there wa other than Clyde blood there. Mr. Nichol
Fleming, the breeder, published his letter in the Fleming, the breeder, published his letter in the
Vorth British Agriculturist and his statements were never contradicted and I think he would be Prince of Wales, and from his personal experience of the old Scotch horse dealers who used to come and buy draft fillies in England and carry them
through into Scotland before any Studbooks were formed, personally knowing the farm bailiff who was present when Prince of Wales was recently he said the granddams were undoubtedly English cart mares. Of course I see the difficulty the sure Clydesdale men have in taking
the old Prince's breeding, and I have watched their various efforts to get his two Shire crosses ledge it and be as ther have had to acknowedge it and be as they have had to be with afraid this Canadian rule will cause trouble in the camp across the water and destroy their only

\section*{Draft Horsé.}

\section*{A Question of Sex in Foals}

Editor Farmer's Advocate:
In a previous issue of your very valuable foaled at 'Doune Lodge' and that nine foals are males." I also see in other columns the theory advanced that breeding in the morning produces
males, whilst an evening embrace results in mates, whist an evening embrace results in able that there are ten males and one fill resulting, and that his mares are invariably bred in the evening. Such a preponderance of males is singular and affords room for research. Might
I ask that you institute enquiries along this line I ask that you institute enquiries along this line for the benefit of those of us who have not such deducting and summarizing. [We should like to accommodate our correspondent, but we have studied the question so that we are not disposed to pursue it. In fact, place, age, temperature, health, or any external place, age, temperature, health, or any external, do with the determining of sex in unborn animals Veare, however, willing to assist any person who
vishes to conduct further investigations into this matter.-ED.]

\section*{Color in Horses}

Breeding to color in horses has long been a subject of more than ordinary interest, and Sir
Walter Gilbey, Bart., is the latest author to give the world his opinion upon the matter as it
applies to Thoroughbreds. Hackneys and Shires. in whe cepparms the ditrence then horse and the reason for the increasing frequency of
some and the decrease of others. Suggestions are also offered as to how horses may be bred to col Sis Wialer's ideas upon chestrnut Hackneys are
entecinly worth repeating. The reason why the
. olor is beceming more common is easily expla ined vhen we. .lance at the "color pedigree" of the
best
moderm
Hackney
stallions.
Daneegelt

 vere both chestnuts. Pertormer (foaled 1840 )
the sire of Sir charles, was a brown. The chest uts mav be said to have lain dormant for a feve
 The success of chestnut Hackneys at the most mpprtant shows held during recent Years, is \({ }^{2}\)
natter of common knowledye: it has been note
 consequicence, the services of these chestnuts
e been in great demand by breeders. ant the has been inherited with other characteristic, the progeny, There can be no doubt but tha
chestrut is an impressive collor: in othe rhestnut is an mprestive cenctor to reproduce
ros. that it has a stron, tender to
\(\qquad\) hentioned that during the fifteen years. 189

\author{
THE FARMER'S ADVOCATE
}

Royes of this color with Danegelt and his son, Pain may be generally said to be the comSir Walter traces of which were chestnuts. findings makewn, and roan Hackneys, and his he treats the original color (and those developed Shires. Illustrating his work the many-colored illustrations, from Sir Walter Gilbey's private colCraven and his Norfolk Hey include Mr. Fulwa and property of the Duke of Bedford ; Danegelt, interesting and instructive information is full of be read with profit by breeders and athers.-

\section*{Lameness in Horses}

The examiner, having satisfied himself whic find out the seat of its cause mow endeavor to doubt exists as to the seat of lameness, it is good practice to remove the shoe and examine the foot carefully; and if he fails to find anything wrong there, he must endeavor to find out where the lameness is by a careful manual examination, which will be discussed later on, as the varion, amenesses are observed.
Lameness is not of itself a disease, but a sign the result of disease, accident or malformation in the limb or limbs in which it is manifested. It limbs, as from injury to or disease of the spinal arteries or nerves, and occasionally from disease of disease a mere expression of pain without actual disease, as from, a stone in the whoe thout adly-fitting shoe, but if these causes of pain and ion is sure to follow. Disease much oftener exists in a limb without lameness than lamenes without disease. Thus, a horse may have wound, ulcer, bony deposit, a tumor, or othe dames condition in a limb, without showing mpediment ine authorities claim that any laim that lameness cannot exist without pin, and that where disease which interferes with action but does not cause pain exists, it causes stiffness, bone or inflammatory action in a joint may result in anchylosis (the union of the bones into one by bony deposit) of two or more bones of the joint,
which, when inflammatory action has ceased, causes no pain, but interferes more or less with plete dislocation of the patella (stifle bone) causes the animal no pain, but produces com plete inability to move the limb.


\footnotetext{

}
lameness, where it is necessary to urge the patient breeders and others alike Moreover the nublito a sharp trot before any deviation from the

\section*{STOCK}

\section*{Breed Registration.}

The following article, taken from a recent issue
of the London Licie Stock Journal, will be of of the London Live Stock Journal, will be of
interest to breeders in Canada at the present juncture:
Nowadays, when every recognized breed horses, cattle, sheep, pigs in the United King dom possesses its stud, herd or flock book, and
when the offshoots of these, in many cases, in when the offshoots of these, in many cases, umesh records existed. One might almost speak the romance of breed registration, for the difficulties that were encountered and surmounted by the early promoters were numerous and formidable. It was many years after the General Studboo was originally issued, in 1793, before it had any
companions or imitators, and the recent multipl cation of breed registers, which have increase within the last few years with astonishing rapid ity, makes it almost impossible to appreciate the
trouble that beset the pioneers of the work.
There was, at the outset, no general recogni tion of the need of pedigree records, or any idea except on the part of a few, that they would serve a useful purpose. Some of the great breeders of
early times were resolutely opposed to the publication of the pedigrees of their stock, because the considered that the particulars required were of the nature of trade secrets that ought not to b divulged. Most people will remember the indignant reply of a very eminent breeder when he was asked for the pedigree of an animal he had sold is pedigree enough for anybody." In the absent is pedigree enough for anybody. In the absence
of hearty co-operation, it is wonderful that the work proceeded at all. In a number of cases th withholding of infcrmation by some prominen breeders undoubtedly caused the initial volume to be less complete and accurate than they migh
In several instances the idea of having a breed
record occurred to one individual, who set about collecting materials, and then, when the stage of arose, and time after time the work was rescued from its difficulties by the munificence and public spirit of some enthusiasts gifted with the means the individuals whe How much is due both to ject, and to those who did not hesitd the proloss by financing the undertaking, it would be difficult to calculate. They certainly deserve far more credit for what they did than they have ev
It is interesting to speculate as to the inspiring motives of those who first originated the idea of
breed revisters breed reessters. Probably the enterprise was not
begun with a single object, but with several. entertained by the first editor and compiler of the oidest Studbook in existence-that for Thorruysh bed horses, and still entitled "The General Stu
book." The author expressly stated in the pre face (which, however, did not appear in the fir edition, published in 1793. or in the second, pub
lished in I803, but only in that of 1808) that of false and inaccurate pedigrees, he was. in the ycar \({ }^{1791}\), prevailed upeon to prublish 'An Intr
duction to the General Studbook."'" That wa clearly his object in the collection of the ped and all subsequent rigisters. But the author volume "contained, in the most concise and mos approved form, a greater mass of authentic infor mation respecting the pedigrees of horses tha t is believed, more accurately expresses the ai of most of the compilers; the longer to be one of masteri but ut in the full light of day, with all

THE FARMER'S ADVOCATE
1299
In the Trade.
The prospects are for higher prices for both
beef catte and hoss. Chicago reports say
exporters are tumbling over themselves to set
catte and that the buyers consider Alberta

Special Work with Oats and Wheat.
Editor Farmer S Anvocate:
With this a.e a few figures, showing the results of our work during the last four years, in the Canadian Seed Growers' Association, of which we are members. These regulations call for the growing of a plot of at least one-quarter acre each vear, on specially prepared land, of seed selected The hand from a similar plot the year betore. The produce of this plot, after enough large are selected to sow the plot in the following vear. is sown on what is called the "Improved Seed Plot," producing general crop seed. When this f system has been carried on for three successive - seasons the seed from these plots is entitled to be registered in the records of the Association as ing figures show an increased yield per acre which, while it may-not be entirely the result of this system, goes to prove the benefits to be derived from some such system as this.
There has been an increase in the yield
There has been an increase in the yield of oats
from 27.5 bushels per acre in in 1906. This it for the improved seed. In th general crop seed there is a gain of the difference between 49.67 bushels in 1005 and the difference in 1906, although there was very little difference in the ordinary crops in these two seasons, and conditions were much the same. There has also been a great increase in the strength and vigor
of the growing crop, the blades being of great breadth, very dark in color, and the straw being tall and standing up w \(\ell 11\).
Our land, being a sandy loam, is well adapted for the growing of seed, and we are abie to sow less seed per acre, without danger of damage by plenty of room for derelorment indidual plants of the main things to be consident. This is one of the main things to be considered in this sy-tem
of seed selection. We sow about one bushel of wheat and two of oats per acre, and on the hand selected seed plots, we stop up every third spout of the drill, so as to have plenty of room for the work of selection, as better devel me have done much of our work so far with
We hants. oats, but are taking up the selection of wheat as well, and expect to have as good results as from the oats. The great difficulty will be to keep this seed absolutely free from the seeds of noxious weeds, which up till now we have not teen While we are with.
vields and vigorous seed good results in increased yields and vigorous seed, there is of course 11 ore with ordinary crops, but so far we have been able to dispose of all the seed we have had to spare, at prices which more than make up the difference. As the regulations demand that it shall be grown on specially prepared land the quantity which
can be raised will alwavs be limited, to a certain
\(\qquad\) these results for this year, our crop being in fine condition, although later than usual, in common



Steam v. Animal Power Plowing. Editor Farmer's Advocate:
Recently I had occasion to run down the in at Dakotah, 25 miles southwest of Winnipeg, where I spent a day on the farm of Mr. C. Winslow, who has lately become possessed of one of the most modern steam plowing outfits in the West. The machinery consists of a 32 -horse, simple, Case engine, a 10 -furrow Cockshutt plow,
steel tanks and a couple of wagons, the engine and plow being identically the same as shown in the illustran I found the outfit at work on a piece of very
rough and soddy ground, covered with a variety of weeds, the land having recently been flooded from the Assiniboine. The engine was traveling io stubble bottom with the greatest of ease The crew consisted of an engineer, fireman, plow man and two teansters.
The outfit had just come up off another section, where it had plowed some \(244^{\circ}\) acres orssitated stubble ground, which would eight mules to the gang. Winslow took partic
of this piece of ground Mr. Win ular notice as to the amount of coal burnt and the acreage per day, and found with 2,100 pound of coal about twenty-five acres could be turned over in ten hours, which is equivalent to eighteen miles of land plowed at a speed or 1.80 llands and hour. Allowing occasional stoppage for cleaning the fire and coaling, the speed of the engine must have been about two miles per hour. The water
Owing to rain we were compelled to retire t the house, where we spent some time roughing out an approximate cost for plowing an acre of the stubble land mentione machinery in use wa The total value of the up as follows: engine \(\$ 3,500\), plow \(\$ 700\), \({ }^{1} 30\). Now to apportion the interest and depreciation per working day, it was necessary to decide on
the number of days per annum that the outfit would be at work. This, to be on the safe side, we took at seventy days, although doubtless the machinery will be working for a more extended
period of the year. The rate of interest was taken at \(8 \%\) and depreciation at only be arrived at after the concourse could one working season, but for the pur-
clusion of the
pose of our calculation we decided to allot for this \(\$ 5.00\) per day. include management, boiler inspection, insu ance, etc, etc.
From the foregoing we compiled the co



Depreciationar...
Wear and tear
General Expenses

THE FARMER'S ADVOCATE

\section*{omules at \(\$ 250 \ldots . . . \$_{10.000 .00}\) near injuring the plants. A good many people} osets of harness at \(^{2} \$_{17} .00\)....... 680.00 though do not care about applying an activ 5 gang plows at \(\$ 75.00 \ldots \ldots \ldots\). 375.00 poison to a cabbage head, since it is that portion - of the plant to which the poison is applied whi used for food. There is little danger, howe of being poisoned from eating cabbage treated
with Paris Green. In fact, where the crop is Now to apportion the interest and depreciatio hargeable per day would be somewhat d man more days in the year and for many other pur poses than that of plowing. Let us, however acres by taking the rate for a team and teamster acres by taking the rate for a teameloyed in conjunction with the steam plow, viz., \(\$ 3.00\) pe day, plus 50 cents for board of man and fift cents for feed of team. For the extra teams to each gang let us allow \$I. 50 and fifty cents for reed per team. To this something must be ad be assumed that \(\$ 2.00\) per day would co
We should then get the following cost:
5 teamsters at \$r.
Board of five teamsters at
Feed of 20 teams at
\(\$ 22.00\)
complete
This is the total for 22.5 acres, so to complete
\(\$ 57.20\), or \(\$ 2.28\) per acre-say \(\$ 2.30\) thus
shewing a margin of 45 cents per acre in favor of steam.
Mr. Winslow has now 32 mules, 4 horses and
small traction engine which he uses for grinda smail traction engine which he uses for grind-
ing feed, threshing, etc., and I supposed having purchased the new steam plowing outfit that he "No" said he, "You see with my present force and by using steam for the heavy work of plowing I can crop another 600 acres of land; further, with the short working seasons we are having, is important to get the plowing all done in the all, and this I can do by commencing to break Now there is nothing to prevent the steam 20 hours per day; it simply means having a the case of animal plowing not only would extra teamsters be required, but a duplicate complement the same amount of work in a like number of hours; also greater stabling accomodation would keep such a large number of animals during the winter eating their heads off. The steam outfit Then again, not only will the land be in bette condition from being exposed to the atmosphere tor a longer period and much more easily worked
in the spring, but by the use of steam a deeper plowing in the case of the mules would either
mean a reduction in the acreage per day or an increase of animal force.
Like many other farmers, Mr. Winslow would Like many other farmers, Mr. Winslow would
welcome the advent of the light agricultural motor on the farm so as to reduce the number
of his working staff of animals. Treatment for the Cabbage Worm. The cabbage worm seems this season to be
with Paris Green. In fact, where the crop is
y , own commercially this remedy is always used. awd we have yet to hear of anyone being injured
eating the cabbage. eating the cabbage.
The cabbage heads form from within-that is say, the leaves unfold from the center of the head and do not fold together to the plant therefore. only upon the outer leaves, and not a particle sets into the head itself. The amount used to a really to poison a man it would be necessary for him to eat about a dozen heads at once, outer be more properly attributed to the cabbage itself than to the Paris Green. In cooking cabbage the outer leaves are generally torn off, the head tself cut up, washed and boiled. Chemical analysis has shown that on a head so prepared
vithin a week after a heavy application of Pari Green, not a trace of poison remains. Paris Green for this purpose should be mixed in prowater; add a little hard or soft soap to prevent the liquid rolling off the leaves. Another remed cabbage leaves early in the morning. Hellebor is poisonous to insects, although harmless to Steam Plows and Moisture Conserving. Editor Farmer's
Your correspondent in Aug. \(7^{\text {th }}\) issue, unde only hope for agriculture on these plains for the future, is the wholesale adoption by farmers everywhere of motor-driven cultivating, seeding,
moisture-saving machinery. He very properl in the first paragraph of his remarks divides science into two parts, theoretic and practical but unfortunately this gentleman does not pro subject. He drifts over at once to the easier the purely theoretical side of the case. In this sense from theses the whole thing fairly well, certainl are logically drawn. He evidently baclusions whole theory upon some little experimental his had Prof. Campbell has been doing down in the made by of the south, and upon a remark once Editore of the Earl of Leicester. If these, Mr a foun, are sufficient to afford your correspondent which he is ar those theoretical absurdities gate among the agriculturists of this country promul for us devoting a paragraph or is sufficient reason We believe, as Mr. Greig does, that science of agriculture advances a good many of
the practices now in vogue will be dropped. Whe that within the next twenty years advanange past two decades will be made; that the horse motive power on the farm just as surely as labor saving machinery has reduced the work of men asriculture itself cannot and will not change agriculture itself cannot and will not change. conserving scheme. It's simply the practical
application of what to physical scientistshaslony



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depth of a foot or fourteen inches, under the managing a soil to increase its water retaining capacity to hold water "like a sponge." Agri- some means; get it so that water may freely altural science had begun to work out this mois- percolate down into it, not for eight or ten inch hefore this gentleman and others who are now natural forces can be employed. In truth the advocating these same theories with him, were thing could be accomplished by no other mean brue solution of the whole other lines that the No motor or horse driven subsoiler yet invented been, or in future is going to be found. What that thing is the clover plant:the thing only and required in the average soil that suffers from are voracious subsoilers; they penetrate moisture scarcity is greater water holding mater- varieties at least, to depths of from one to twent
ial. Given that and the problem ceases to exist. feet. Their roots when they decay form chan For example, you could cultivate a pure sand nels down which water is readily conveyed to the that was ever devised, you might open it as deeply pervious, they increase its capillary power more as you liked, but you couldn't increase that soil's they are as well a fertilizer of no small import. capacity to retain moisture by the smallest frac- There is no soil that I know of in these Western sand some organic material, plow down a crop roots. I have seen it growing a few inches above
or apply some barn-yard manure, and the pre- and sending its long roots down into the genuine to retain the moisture which it receives. It is have in most places here. If a subsoil is too spondent has reference. Understand, I don't he cultivated by to send its roots into, it cannot mean to say that cultivation has nothing to do ery yet seen in America. It may be urged that with moisture conservation; we know that it clover cannot be grown very successfully in this plays an important part. That I do mean to say province, that it is still an experiment. We have is, that however important cultivation may be in grown clover on our own farm here in Southern conjunction with the proper cripping of the to those your correspondent talks about similar conjunction with the proper cr(pping of the to those your correspondent talks about, and we ture problem the sund, and with all deference Then in respect to climate, I confess I do not as were outlined in your journal on Aug. 7th, quite understand Mr. Greig's statement in this are neither rational nor correct. The advocates to qualify it a little, for any man who has ever of such absurdities as these are in a class with the thought about the matter at all, knows that the hair-brained American scientist who rushed into cultivation of the soil, no matter how it is done, print a few years ago with the results of an how deeply or how shallow, can have no appreseemed to show that the mechanical condition ciable effect on climate. The climate of this of a soil at seeding and during the growing season, for its existence. The soils of this country have had all and the plant food in that soil nothing to now been cultivated for years, and the records do with the production of the crop. Ordinarily, of the Dominion meteorological service, for the
nonsense such as this is simply ignored, but when same field, extending as they do in one instance a writer who displa \(s\) as much intelligence and at least, over a quarter of a century, show that as good a grounding in his subject as Mr. Greig in so far as climate is concerned the breaking displays, comes with such clearcut statements up of these virgin prairies and their subsequent glance in reply. It is well to remember in approaching this this new scheme affect any modification?
subject, that there are three distinct ways in which water is held in the soil, There is the free And lastly I would like to touch upon Mr . water of fercolation, the kind your correspondent worst weeds that we have in this country to-day is evidently thinking about all through his such an eradicating scheme as this would only that is lifted up from the lower depths by the be a means of aiding the pests to flourish with surface tension of the soil grains, and there is the greater luxuriance, would only be a method of third form which may be disregarded in this getting them more firmly and a good many of instance, the form known as hygroscopic mois- have found in our own practice that shallow ture. It is with the capillary water in the soil cultivation is the most effective way of getting that we are most concerned. Any ordinary rid of weeds, that tearing the soil up good and plant can flourish with the free water table several deep only gave the pests a chance to get a firmer cultural plants could grow if their roots were of practical farmers everywhere. I would just bathed in this upper twelve inches of soil full of like to take this one point up with your correspon-
positions, with sound practical contentions, but I feel that to do so at this time would be mposing too much upon your space. I have set orth our views of the question as clearly as I can and trust to see the ideas of other practical men
H. Oscar Sheldon

\section*{Horticulture and Forestry}

Strawherry Growing in Northern Manitoha Editor Farmer's Advocate:
Before coming to Northern Manitoba I was ngaged in the fruit growing business in Missour ap my residence in the Swan River Valley began the growing of strawberries. The succes we have had here in this time convinces me that the climate here is just as good as it is in any fllowing conditions are complied with:
The land should not be too light and sandy hat it will dry out too much in winter and through winter killing. Plants coldest winter provided the land is sufficiently heavy to hold moisture. A friable clay loam that will produce about 35 bushels of The plants should be set for strawberry growing where they will be protected a sheltered place and where the snow will lie on them over winter n the fall cover them with a mulch of straw or hay before the snow falls and leave it on until the beginning of May or until the growth has well vearted, the idea being to retard growth so as to , Jhesoms. lime varieties 1 have found most adapted to the nd "'Senarthern Manitoba are Warfiela large numbers only to discard them. With these varieties you need to plant alternate rows and there will be no danger but what they will fruit well. Prepare the land in the fall by plowing and harrowing four or five times and set out grown plan in the spring and if possible set home and the plats. Set the rows about 4 feet apart Keep the weeds down and allow the runners take root, which they will do if there is plenty of rain, but if the rainfall is light some of the funners will have to be set down by hand.
remove from the Swan River Valley to a different climate readers that I am unable to answer the corres pondence upon strawberry subjects which has


\section*{DAIRY}

\section*{Records a Business Necessity}

Editor Farmer's Advocate
We started testing our cows on the first July, 1902, and have continued ever since, and intend to do so as long as we need to make money from our dairy. Prof. Grisdale of Ottawa
induced us to begin, and still furnishes us with induced us to begin, and still furnishes us with
blank record sheets, etc. The time it takes per day is hardly worth mentioning. We hav the scales and the record sheet close by the mill shelf, and I don't think it takes three minutes day extra time. Of course, the records have to
be added up afterwards, but that is done at night. We test every two months, finding that cow kindly treated don't vary much in butter-fat Some of the advantages of keeping a record are First, the feeding of cows. When a cow calves, o course, she must be fed light for a few days; then by watching the record sheet, the feeder can tell when he has reached the point of profitable "stuffing." He can tell if the cow is beginning to shrink, and investigate the reason. He can by looking at the field He soon finds than we did last winter, how much better ensilage is than roots. Second, bettering the herd by selec tion. We have only six of our original cows left now. The rest have been weeded out and
replaced by heifers raised from the best cows, bred of course, to a good Jersey bull. Third, we find that people will buy cows much more readily when they can be shown their past record.
Nów for figures. You will find below how our herd has increased from month to month an year to year, and remember that the figures for re06 are from seven tw
olds, and six old cows


Improving the Quality of Milk and Cream at Creameries
The author of Bulletin No. 132, New Hamp
shire Station, makes the following statemen regarding American creame follow, which statemen is probably true, also, of creameries in Canada: "During the rast few years but little improve ment has been made in the quality of creamery
butter; this, tro, in spite of the fact that cream butter; this, tro, in spite of the fact that cream
ery buttermakers. as a class, have never befor been so well infrimed reqarding their werk
Never beffere have they been able to make use of as good machinery and special apparatus, and largely sought after by the consuming public."'
In many instances the quality of creamery In many instances the quality of creamery
butter has become poorer, in spite of the abovementioned improved conditions. In looking for a says: "The reason is seemingly found in the gradual change which has taken place in the methods employed by dairy farmers in delivering
their product to the creameries. This change has resulted in the acceptance and use by creamery men of a poorer grade of milk, and, more particu,
larly, a poorer grade of cream for buttermaking., It sometimes happens that separators are used in some instances they are placed and used in

many undesirable bacteria, and bad flavors are the natural result. It frequently happens that
cream is not cooled to a low temperature and properly cared for after it is separated on the farm, and often is it of uncertain age when delivered at the creamery.
In order to improve the quality of the cream the milk and cream is graded and paid for accord the milk and cream is graded and paid for accord-
ing to grade and quality. The system has been in operation since July Ist, Igo6. The scale of points used for grading is as follows: Flavor ing the time this method has been on trial the quality of milk and cream received has been slowly but constantly improving
In order to induce patrons to improve the quality of the raw material furnished, a scale of pound has been paid patrons for butter-fat in milk or cream scoring 05 points or over. The usual price has been paid patrons for butter-fat in milk cent less than the usual price per pound has been paid patrons for butter-fat in milk or cream scor the usual pricer 90 points. Wo cents less than for butter-fat in milk or cream scoring 8 and under 85. Three cents less than the usual price has been paid for milk and cream scoring 75 and
under 80 points. Patrons furnishing milk or cream scoring under 75 points have at once been notified that they must improve the product or The furegoing will serve as a guide to those who are struggling with the problem of trying to improve the quality of the raw material delivered at our creameries and cheeseries. We have been
working at this question for years, but up to the present have found no satisfactory solution. In is taught that men and women shall be rewarded or punished finally according to the deeds done in the body," but in this life there are many ways ments. It is practically impossible and punishments. It is practically impossible to frame any
set of rules which will suit all cases. Someone has said that men and women are but grown-up children. We all know that children dread pun-
ishment and love rewards. We have, therefore, to work on the reward plan more, and less on pun-
ishments, when dealing with a free and independent people, such as are Canadians. We are folpound fat premium for sweet cream testing 25 per cent. fat or over, and delivered not less than
three times a week in hot weather. The results
\(\qquad\) Prize Butter-making.
Be low is a brief article by Mrs. Tomes of Plumas Below is a brief article by Mrs. Tomes of Plumas,
Man., one of the prize-winners in the buttermaking erntest at Winnipeg, outlining her system "'In 1ceard to my method of making butter
I might say that I used the same method in the butter-making competition as I do in my own " After separating the milk I allow the cream to cool (never mixing it until cool). To ripen it at that for about two hours, then cooling down summer and 60 in winter. I use a Daisy 54 in summer and 60 in winter. I use a Daisy churn
and stop churning as soon as the butter granules are alk ut the size of wheat grains. The butter-
milk is drawn off and the butter covered with cold Water in which it stands half an hour. When water in which half a cup of salt has been dis and then drain off as dry as possible. Then I add the chrce of salt to every pound of butter aive the (hum a few turns and let it stand ayain for in mall lumps. I use a Waters butter times. but mot enough to destroy the grain. wice a weok. I may say that I find it imporsi twice a weck. 1 may say that I find it imporsimy prourt and all who take the thello

August 21, 1907
and cheesy appearance. All stages between may
be found, the yellow, cheesy color originating in the
be found, the yellow, cheesy color originating in th
middle of the pale spots. These yellow areas repre
sent dead hepatic tissue, which keeps spreading out
wards. These areas not only occur on the surface
of the liver, but I have also found them deep in the
tissue, and later they become readily separated, as
hard cores, from the degenerating hepatic tissue
surrounding them. If the liver only in examined
and that casually, one may easily be lead to assume
that it is invaded by tuberculosis. Nothing bu
two diseases, so far as I have observed. But besides
in the liver there are marked lesions in the cæca, \(b\),
nally, the two sacs present a swollen and inflamed
appearance; the walls become thickened, and dul
grey and yellowish masses of exudate arise
serous covering. The cæca frequently become
it is said, to the abdominal walls, but this I have
not yet noticed. Internally, the secs become filled
with a yellowish-
with a yellowish-white mass of cells, with blood
corpuscles intermixed, and the inner walls also become
spotted with pale areas similar to those seen in the
liver, but smaller. This swollen appearance of the
cæca is very important to look out for where we find
yellow spots on the liver, as it at once gives us a
clue to the true cause of the disease.
"The life-cycle of the parasite.-The life cycle of
factorily worked out. It certainly multiplies in the
cæca, not only in the mocuos membrane, but also
right in the muscular tissue, Reproduction here
pass into the lumen of the cæca, and so into the
intestine. We find
place in the liver tissue, where the parasites reproduce
rapidly and set up the round areas of the disease
referred to, the parasites killing the tissue and spread-
ing outwards into the sound hepatic substance as
These nidi burst, and thus the amoebr pass into the the there was Malice, the first prize two-year-old,
bile tubes, and so regain the intestines.
"How they reach the liver we have no direct evi- foal that weighed 7oo pounds. Bradshaw also dence, but it is thought by the blood and derived sirse in a reach coach of special merit, Ataman,
from the cra. This is probably partly the case, first in his clas a yearling at Illinois State Fair,
for I have found them in one case studding the spleen. well-bred and splendidly actioned. But I am inclined to think that the liver may become develops in a very variable manner. It is said from
may die. At weeks after infection (Salmon) the bird is an exceptionally well-bred stallion. He is five
any illness, and in some cases birds are said to recover. Baron's Pride, imported to this country by Sorby
These may fall in or come in contact with other
amoeb then enter the liver and cæca, and soon com-
mence to multiply after penetrating the tissue.
Similar organisms have been found in the serous
fluid in the swollen heads of affected birds.
"Treatment and Prevention. -The treatment
\(\qquad\)
in a run, if we find by post-mortem appearances were the equal of the heavies in quality and numbers,
that it is present in one or more fowls. If this is the
\(\qquad\) with carbolic, at the rate of ten quarts of carbolic to were the only purebred cattle represented. S. H.
100 parts of water, and then the land should be well
Fairfield, W. D. Whitney and J. B. Ririe were the dug over. To some extent it may be checled where exh
suspected by giving the birds very littee clean water stoc
with salicylic acid dissolved in it. As infection may bull


1303
breed, the Berkshires, and T. B. Snell was the only Poultry on the other hand, were strongly shown.
Anyone who has ever visited Lethbridge tair knows that poultry is one of its largest teatures. The
society have spendid housing accomodation for this
exhibit; they are encouraging the industry in way possible. It is really marvellous the advancepoultry. The Government fattening stations at
various places have demonstrated clearly the money-
making possibilities of this enterprize. The farmers of the province are taking the business up more and
more. It makes a good side line in dairy farming and a profitable one too, so long as prices run as they
have for the past year. At the fair Barred Rocks
made the best showing, though the entries in this breed were scarcely so large as they have been on
former occasions. They were breeding pens of this
kind that won out in competition with all others. grains, grasses, vegetables, fruit. This exhibit made one of the most attractive
features of the fair. Grain in the sheaf, especially, came in for a deal of attention. In winter wheat the
entries were large. T. Woolford, who got first in
Winnipeg, was first again here. Grasses made a con-
spicuous display. The timothy, Western rye red spicuous display. The timothy, Western rye, red
clover and alfalfa samples exhibited prove the cer-
tainty of this districts' hay growing possibilities. Some of the grasses shown were over seven feet in
length. Vegetables, that is garden truck of all kinds,
made a fine display. The Chinamen had this department pretty much to themselves and put up a
good exhibit in roots, garden vegetables, cauliflower,
cabbage, etc. This exhibit was one of the best seen
this year in Alberta. The fruit show was good. Strawberries, raspberries, gooseberries, red, white and
black currants, and a few apples, green of course at
this season, formed the exhibit. The strawberry merit.

The Irish Agricultural Enquiry.
\(\qquad\) pleted its investigations into, the Irish Department that the report has actually seen the light of pubment for recommendation of any sweeping changes
either in the constitution or policy of the Depart-
ment. The Committee consisted of five members, whose names I have previously given, including
the Hon. John Dryden, of Canada, and they were
instructed to inquire whether experience had shown that the Department's methods were suited to the
needs of Ireland, and to report on the relations
between the Department and local statutory bodies, the funds at its disposal, etc. At seventeen sittings,
all over Ireland, voluminous evidence was taken, and it must be conceded as creditable to the Depart-
ment that its operations have stood so well the test
of this scrutiny, and that its work, beset, as it was, by such difficulties during the first seven years of its
existence, has been so generally approved of by the
Commissioners. An interesting feature, however, majority signed by four, and a minority of one, bear-
ing the signature of Mr . W. L. Micks, of the Local
Government Board, and formerly a prominent worker The majority report, in its general tone, reviews
favorably the various operations of the and, among the few recommendations which it con-
and opinion of those who signed it, the Vice-President
should not be a member of Parliament. Again,
they are not in favor of substituting for the Depart. ment a board, either wholly or partly elective, as they
think that continuity of policy and efficiency of
administration are best secured by the responsibility administration are best secured by the responsibility
being vested solely in the head of the Department.
The Vice-President should not be a permanent and of the administration in Ireland, of the Act of 1800 ,
establishing the Department. With regard to the helieve that the Department has been successful in that in various directions improved conditiors of that improvement may, in some measure, be obtained.
The difficulties are admitted, by the report, to have
been great; but, it is added, "the Department has had
\(\qquad\)
\(\qquad\)
\(\square\)
and one-third nominated, should not have its powers extended beyond its present functions; viz., a deliber inating two-thirds of the Agricultural Board, which in turn, controls the finances of the Department. It will not, however, interest Canadians to be brought tution, and I refrain from doing so.
If the majority report lacks anything to cause undue excitement, the minority document, which Mr. Micks has courageously published, more than Department, root and branch reformation of the out of his scheme would entail a yearly grant of a make those who thing for twenty years, this mus hearing much of it again in the region of practic politics. Briefly put, Mr. Micks advocates the cre ation of a Development Department for all Ireland which, to use his words, "should be altogether detached and free from the control of the Imperia all the development functions of the Department an the Congested Districts Board, and the presen Department should have its functions restricted t education pure and simple, including experimenta
work, of course
\(\qquad\)
To the majority mryden thinks of ireland. individual memoranda, one of the most interesting of which is that which comes from the pen of the
Hon. John Dryden, who states at the outset that he was agreeably surprised with the general con
dition of the Irish farming industry the congested districts and bog areas, he regards with most countries prominent in agricultural pro duction, as to qualities of soils and possibility of in which agriculture and the training of those engas in it were allowed to drift, and refers hopefully toged awakening within the past decade. He is confident that a good beginning has been made by the Depart ment, but urges that people must not be too impatient
for results, as, in his opinion, the full for results, as, in his opinion, the full benefit will not
be realized for some years. In the main, he regards he specially a pproves the preparation among whic men and women both to teach and practice the principles of higher agriculture, at colleges and by the there were 2 I giving instruction in Agriculture and Horticulture, 28 in Poultry-raising, and 25 in Butter-
making. In many counties Mr . Dryden instructor exceedingly popular, and in great demand
with astonishing with astonishing statements current as to benefits
received. He also deals in detail with the various cattle, pigs, poultry, ere, and, in connection with
poultry, states new to him. His statement to this effect leads in Canada; therefore, I mav not lo to tn known
 Council selects the farmers in the various disistricts
suitable to be their argon
 of cross-bred fowls and accept and care torthengemb Thes suppled dy the IIstructor of the Departun nt.
Thandins are furni shed him, and. on the understand ing that he sumplies, at one shilling per dozeren,
at least 7 on


 is ealleme has very much to conmend it. and it duct will soon be revolutionized. The inerresed
putput, as well as the imwroved materialls to the rececints of thec peopile ennaseat in it it
Besidias the
 In In concludinga most interest ing nemo Mr. Dryden
ermarks: "I have no hesititiom in in Irclumd is worthy rol work an prownt gurries

\section*{Trading off Virtue and Honor} Mar Farmer's with our fairs. At the start I wish to in connectio claim to expecting nothing very elevating that it is the duty side shows at a fair, but I hold there is nothing inside the fair grounds to see that by the management which is calculated to bring the bush of shame to the cheek of any man who prizes exhibition. I was told by a prominent success of an he Brandon Fair that the a promine had official of o close down anything at all loud or in any way last tive. The so-called dance to be seen at the exhibition for at least the last two years was entire suggestively described outside as being for 'thos mined men and consisting of a dance from the neck print it, Mr. Editor. The the company of gentlemen frient young women disten to this same phrase during the last two depths of uncleanness to be to give a full line of dirt, and they are artists in their particular line. The latest in obscene story isgusting thing ever invented to makes rakes men and prostitutes of women, the so-called "hoochy
koochy dance" - something the devil through his fallen angels has used for many years and has hot pet improved upon. And this is what a longsuffering public is asked year after year to stand for, to pat-
ronize and pay for, and why? reason than that the financial side of fairs should be gratifying. Selling the honor and virtue of the youth
Pipestone Mun., Man.
A. E. Smith. Must have Co-operation

Gitor Farmer's Advocate:
Your excellent paper, as well as other papers, certainly giving us farmers plenty of food for thought
these days. In your July 2 nd issue and out that ten per cent. of our wheat value is diss pated in the present elevator system, the Grain Co say "a better day may be looked for. Civilization shop methods,

days of substitution and Globe also says, "In these protect yourself and the reliable institution so he says No Government or police regulation can do the parunless labels and seeing that you get what you called for
You can be your agent, your own best protector, and you cannot
delegate these things to persons." Now look, extortion, monoplv, sweatshops, meth-
ods, substitution, adulteration abroad in the land
\(\qquad\) "e expect a better set of men in the present elevator
system than in other walks of life. Are they more
honest than others? Are we to look for in the combinations working our grain trade as else-
where? Will they, of all men on earth fail to them for the practice of any of the may be offered
Derformances who help themselves. Who has better chances those of grain delivered into their hat millions of bushels the owners'c control? Weighed until passed bevond
\(\qquad\) work of conditions woven like a web around the far hands thus? Have the grain growers not organiza

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moters of it, Manitoba can hardly hope to legislate for and operate the whole grain trade of the West.
The problem is still unsolved, but that does not prove there is no solution. The questions involved are large and intricate farmers, for on them falls the cost of the present expensive, unreliable method. Yes, before the farmers, Dominion Government, Clifford Sifton said to young Liberals in Winnipeg in 1903: "The transportation
problem was exasperating, inexcusable. Railway problem was exasperating, inexcusable. Railways
should be compelled to fulfil the obligations imposed in their charters, which would be done by appointing
a Railway Commission." Have conditions in Mr. Sifton said, also speaking to the grain dealers that time, "When the grain grower comes to Parliament and says he objects to having his wheat go nen sing thereb Parliament would not be justified in putting the
farmer in a position where he loses his legal profit and no men such as elevator men could expe legislation that would compel the farmer to ship mrough the elevators when by so doing he loses
money. Now these men have used existing legiscan well do without.," \({ }^{\text {carmers to use a service they }}\) Conference failed, Railway Commission failed, mination of present unsatisfactory conditions yet Farmers! Kick partyism out of sight and unite. Moose Jaw, Sask. Fred W. Green.

\section*{Crops in Southern Manitoba}

Editor Farmer's Advocate:
Up to Saturday Up to Saturday the 10th inst. We had it hot
and dry act Crops were whitening every hour and fair good rain fell on Son ture knollans, sand or grand gravel will not last long it may tide us uver a critical period. n abour a newe weather some hary vesting, may be done crops have thinned out some during drouth and late sown is stunted on a good many: fields. I hear our
yield has been rated at 18 bushels. I wouldn't like to rate much of the wheat I have seen over 12 and
there will be some all the way to nothing upon individual acres. Oats and barlev are moderately good where cown in good time. Weather has been good
for having and mostly all of it is up in good shape so ar. Summer-fallows have plowed badly; a good
many only shaved, but it seemed almost impossible to get a 14 or 16 -inch share down into the soil. This
year's outlook seems to point to less a verage in crop and more work on tess area. As is generally the
and case, too much to do plays havoc in some places.
People rushed to sow, some before it was fit and did not work the land enough before sowing: some kept
sowing till near July and considerable at both ends is
very poor.
\(\qquad\)

\section*{Fvents of the Week.} M. S. McCarthy, M. P. for Calgary, will not be
andidate in the next federal elections. Ninga and Killarney districts received a severe 2500 cotton operators are out onstrike_ in Montreal A serious fire devasted the \({ }^{*}\) \(\qquad\) A serious fire arne on the morning of Aug. 14th The next annual meeting of the Canadian Union
of Municipalities will be held at Medicine Hat. A thunder storm, unusually fierce in its intensity, day.
Three men were killed and a score of others seriously injured by the explosion of a shipment of nitro-
glycerine, at the M. C. R. depot, Essex, Unt. The C. P. R. have arranged for six har vesters
excursions this year trom the East, leaving Ontario excursions this year trom the
from Aug. 27th to Sept. 10th The Japanese population of British Columbia was
increased the other day by the arrival of 1200 immigrants from Japan.

Two Japanese immigrants have taken up homesteads in Alberta. They are the first of their race Bill Miner, the notorious train robber and road
agent, who escaped from the B. C. Penitentiary agent, who escaped from the B. C. Penitentiary the
other day, seems to have got clear away. The police have lost all trace of him. \({ }_{*} *_{*}\)
Baron's Gem, one of the most famous Clydesdale
stallions in Western Canada, owned by R H The stallions in Western Canada, owned by R. H. Taber,
Condie, Sask., died suddenly last Thursday. He The telegrapher's strike seems in a fair way to up the business of the whole continent. Every city - have gone out in Rloydminste and Iro Watson.. Winnipeg, denied absolutely the other day before the Beef Commission that there was any combine whatreceived one dollar in rebate from the C. P. R. He
denied that there was any understanding between his irm and Pat Burns of Calgary, that they would no and declared that on a business turnover last year of
nine million dollars worth of business they made a profit of 2.85 per cent.

Los Angeles, Cal., celebrated the 126 th anniversary
of its founding on Aug. 15th. Three men were killed and 100 wounded in a riot
at Belfast, Ireland, last week. Hail storms have destroyed over 50,000 acres of Erasmus Hering * * * Bavaria, who cown Erasmus Hering of Munich, Bavaria, who coul
read, write and speak in thirty-seven languages, is
lead. Spokane, Washington, is suffiering from an epi
demic of disease, new to physicans there More than
 Gilbert Plains
Plumas .
Meadow Lea Macgregor Beauséjour.
Selkirk.

Vermilion
Vegreville
Didsbury
Didsbury
Olds.
Magrath
Raymond
Cardston
Lacombe ...
Ponoka
Wetaskiwin
Wetaskiwin
Nanton …...............
Pincher CreekLloydminsterRadisson
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\begin{aligned}
& \text { N. Battleeford } \\
& \text { Duck Lake. }
\end{aligned}
\]
\[
\begin{aligned}
& \text { N. Battletor } \\
& \text { Duck Lake. } \\
& \text { Kinistino }
\end{aligned}
\]
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\begin{aligned}
& \text { Kinisting } \\
& \text { Tisdale }
\end{aligned}
\]

Tisdale
Melfort

THE FARMER'S ADVOCATE
"Lord" Barrington, the bogus English peer
convicted of murder in St. Louis, has had his sentence
is late and is being held back by the low temperature commuted to life in in St. Louis Scientists the world over are deeply interested in the controversy now being waged in overested bring it to maturity, and upon this condition of the scientific circles over the decomposition of the ele weather in September depends whether we reap a ments and their transmutation into other forms by will crop or not. The probabilities are that there against reported that further indictment will be made have the consoling fact that for the past ten months against the Standard Oil Company, for maintaining the weather has been anything but usual with extortionate prices, for acivancing prices unwar- in Europe wet weather has prevailed, so that there rantedly and for maintaining bogus companies to the bright hope of the English millers. Argentina is
\[
\begin{aligned}
& \text { the bright hope of the English millers and that coun- } \\
& \text { try appears to have harvested a large crop of good }
\end{aligned}
\]

Things to Remember
\[
\begin{aligned}
& \text { ryy appears to have harvested a large crop of good } \\
& \text { quality coming to move local conditions. The coun- }
\end{aligned}
\]
\[
\begin{aligned}
& \text { try appears to be preparing for the handing of an } \\
& \text { ordinary crop and is marketing freely of old wheat. }
\end{aligned}
\]

\[
\begin{aligned}
& \text { ordinary crop and is marketing freely of old wheat. } \\
& \text { Few people conceived of the amount of whet that }
\end{aligned}
\] minster, B.C..................
\[
\begin{aligned}
& \text { Few peope conceived of the amount of whe that } \\
& \text { was carried over trom last year and many of those }
\end{aligned}
\]
..............................................eptember 27

\[
\begin{aligned}
& \text { money are carrying parcels into December or october } \\
& \text { on the option market. The whole tone is bullish. }
\end{aligned}
\]
\[
\begin{aligned}
& \text { on the option market. The whole tone is bullish. } \\
& \text { And although Mr. Castle, the chief warehouse com- } \\
& \text { missioner, sent a very ontimistic renort. }
\end{aligned}
\]
\[
\begin{aligned}
& \text { missioner, sent a very optimistic report to his depart- } \\
& \text { ment at Ottawa, it was no doubt prepared when }
\end{aligned}
\]
\[
\begin{aligned}
& \text { ment at Ottawa, it was no doubt prepared when } \\
& \text { conditions were more favorable and would be con- }
\end{aligned}
\]
\[
\begin{aligned}
& \text { conditions were more favorable and would be con- } \\
& \text { siderably modified now. }
\end{aligned}
\]
\[
\begin{aligned}
& \text { Oats continue to be good value and are advancing. } \\
& \text { The dry hot weather early in the season has short. }
\end{aligned}
\]


October 4 and 4

\section*{}

...Sept. 10 and 11
\[
\begin{aligned}
& \text { The dry hot weather early in the season has short } \\
& \text { ned the crop especially in the States, which ind }
\end{aligned}
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d the crop especially in the States, which ind
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\begin{aligned}
& \text { Prices are, for grain in store at the lakes: No. } 1 \\
& \text { Hard } 90 \text { c, No. } 1 \text { Nor. } 89 \text { c, No. } 2 \text { Nor. } 86 \mathrm{c} \text {, No. } 3 \text { Nor }
\end{aligned}
\]

Sept. .1.ept. 1 and 17
Sept. 19 and 20
Sept 24
and
Sept. 24 and 25
Sept. 26 and 27
\[
\begin{aligned}
& \text { Oct. } 1 \text { and } 2 \\
& \text { Oct. } 3 \text { and } 4 \\
& \text { Oct. } 7 \text { and } 8
\end{aligned}
\]
\[
\text { ats 40c; barley, No. } 349 \mathrm{c} \text {, flax, } \$ 1.20 \text {. }
\]
PRODUCE AND MILLFEEDS (WHOLESALE)
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\begin{aligned}
& \text { Bran, per ton... } \\
& \text { Shorts, per ton. }
\end{aligned}
\]

\title{
Hay, per ton (cars on track, Winn
}
\(\square\)\(\begin{array}{rrr}9.00 & \text { @ } \\ 13.11 .00 \\ 1.10 & \text { @ } & 14.00 \\ 1.10 & 1.15\end{array}\)

Potatoes, new
\(\qquad\)
\begin{tabular}{lll}
24 & \(@\) & 25 \\
22 & & \\
23 & & \\
19 & \(@\) & 20 \\
17 & \(@\) & 18 \\
10 & \(@\) & 101
\end{tabular}
\(\begin{array}{lll}\text { October } 15 \text { and I7 } & \text { ber } & \text { b. Winnipeg, subject to cand- }\end{array}\)
MARKETS



Read this summary of conditions The weather conditions during the past week of more checked the setting tendency of the wheat- of late and several shippers are doing regular busi were about the end of July; and this in spite of the \(\$ 5.25\), with top prices range between \(\$ 5.00\) and act that the disorganization of the telegraphic butchers \(\$ 3.50\) to \(\$ 5.00\), stockers \(\$ 2.75\) to \(\$ 4.90\), service owing to the strike of the operators, tended depending upon the size and finish. Hogs, bacon pected and unusually cool wet weather which has prevailed just when ordinarily we have warm ripening days and the fact that the weather has come just \(\$ 1.50\) tos, \(\$ 4.35\) to \(\$ 7.50\); cows and heifers the bull's side of the market that is likely now to Texans, \(\$ 3.85\) to \(\$ 5.40\); westerns, \(\$ 4.40\) to \(\$ 4.75\) reep prices up in spite of the most favorable weather Hogs.-Mixed and butchers, \(\$ 6.10\) to \(\$ 6.57 \mathrm{~g}\),
reports enand a considerableffalling off in export good to heavy, \(\$ 6.00\) to \(\$ 6.85\); rough, heavy, \(\$ 5.60\)


\section*{HOME JOURNAL}

\section*{Life, Literature and Education}

IN THE WORLD OF LITERATURE AND ART Professor Grainger of Wawanesa has passed with first class honors.

Fred Nye, a brother of the late "Bill" Nye,
died in New York. He also had written much died in New York. He also had written much
humorous stuff and was formerly on the staff of humorous stuff and
the Chicago Herald

It will interest Roycrofters and Philistines to know that after a stubbornly fought legal battle Elbert Hubbard, founder of the Roycroft Shop a East Aurora, was condemned to pay to Frederic W. Gardner of Chicago, \(\$ 20,000\) damages fo breach of contract. Three years ago Hubbard and Gardner entered into an agreement, effective by Gardner was to have absolute charge of the cash advertising inserted in the Philistine and Little Journeys, the Roycroft publications. Gardner succeeded in advancing the rate from \(\$ 25\) to \(\$\) roo a page. Hubbard then began to solicit him self. An injunction was issued restraining the tising his products in either magazines, and from accepting merchandise in exchange for advertisements. The injunction is made permanent.

Nearly a thousand Esperantists from Furop and America were congregated at historic Cam bridge when the third congress of the devotees ural business session. The Dean of Ely received the visitors, and this evening "Bardell vs. Pickwick, " in an Esperanto translation, will be presen ted by an international company. To-morrow "God Save the King," will be sung by an Esper-
anto chorus. Friday evening a ball will be held anto chorus. Friday evening a ball will be held,
which the delegates will attend in the native costumes of their country, typifying the international character of the new language. Next Saturday the delegates will come to London arrangements having been made to entertai was held to-day in the Guildhall, and dession much enthusiasm, as the representatives of differ ent nations reported the scene, and brought them to Norway House of Esperanto. To-night's dramatic production Saunders from thil be held before Colonel is intended to prove that while Esper- noticeable feature of the arrest was that, remote anto has always been considered a severely utili- as this tribe. is from any settlement, they had purposes, it is also capable of serving the ends purposes, it is also capable of serving the ends not probable that punishment will be dealt it
and purposes of art.
to the full extent of the law, as the crime seems The convention at Cambridge is "la tria kon- to have arisen solely from ignorant and super-
greso," or the third congress of the International to Esperanto Society. The first was held in Boulogne representing eighteen different countries, includ, Chili, in addition to European nations. Persia and ated in Central Africa with a short coast line on ear's meeting was held at Geneva, where the Congo River; which is over 3,000 miles long and municipal buildings and government university gates attended from England and Ireland, and five from the United States. Council and Scotland Yard are officially reprecent ed, the latter to determine whether Esperanto woul be use
work.

CONDITIONS IN THE CONGO

SAVAGE SUPERSTITION NOT DEAD YET In spite of twentieth century western civili sensors of this land superstition as degrading a filled Europe during the Dark Ages. Fortunately this unenlightened darkness is confined to a few beyond the pale of civilized influences them therefore rendered conspicuous by its, and is One example has recently been brought to light In Keewatin, just beyond the eastern boundary of Manitoba, is a tribe of Cree Indians, part of an almost unsettled district because the disfavor aroused by their savage modes of
life. These Crees have a belief that a delirious from any cause is possessed by an evil spirit, We-te-go, and if he dies during the delirium his soul is lost, while if he recovers physically he is still a maniac with murderous and cannibal tend theres. 10 release the sufferer and to prowatched and during tribe, the sick one is carefully death with some religious ceremony the to of the tribe in the presence of the nearest chief Rumors of this unnatural practice have from time to time sifted down into the settled districts wanting and not much years, but evidence was of late years the much attention was paid. But has been against this cruelty perpetran Indians name of religion, and the increasing settlement has led to the acquiring of more definite informaoung a consequence when word came that chief, John Pac-ja-quan, had been put to death of the R. N.W. M. P. were sent fwo constables the Nelson River to enquire into the matter. by diligent questioning they gathered that the young woman had contracted a fever and become with his nephew", prepared her father-in-law, custom, and in the presence of the usual they strangled her.
\(\qquad\) Saunders from the headquarters at Regina. developed a healthy respect for the mounted be dealt out to these men if their guilt is proven. plac the Atlantic. It is a fertile valley drained by the empties a greater volume of water into the This state was originally connected with Europe of Henry M. Stanley, the noted African traveller, eized upon the knowledye Stanley was able © In 1876 the Kinng of Belgium summoned a

Africa and the opening of it to the commerce
industry and scientific enterprise of the European World. Delegates from the most important countries came in answer to the call and an Interthe movement. Interest in the scheme did long survive the close of the convention did not in the cases of France and Belguim, who each scrambled for rights in the new territory, and of Portugal, aroused from lethargy to defend what she regarded as her undisputed possession. The Belgian king, however, established the first post in 1880 lement in r880, and treaties were made between him and
the native chiefs. This was followed by the establishment of more stations along the river through the efforts of Stanley.
In 1885 , the Belgian legislature conferred upon Leopold the exclusive sovereignty of the new State, and he announced the appointment to the Berlin in the same year, stating that met in sions of the Congo Association were henceforth to be known as the Congo Free State and were to be under his rule. The conference then passed an act recognizing the state as a power, on condition that it remained neutral and opened its erritory to the trade of ail countries. The conference, but as years went by the and almost the last act before the power becam practically that of Leopold and Belgium, was to authorize the levying of some import duties I 889 the King bequeathed his sovereigation. In the Congo Free State to Belgium, and the latter had the power to annex the African territory

The greatest enemy to the early growth and itants of the the Congo were the Arab inhabence of the Beantry who resented the interfer slave trade by which they lived Society in th in spite of continued warfare, were these 1894 in any way subdued, and even now they carry the traftic in slaves by stealth.
\(\qquad\) from the country does not pay the expenses the extravagant administration. The chief rubber tree and the harvesting of its of the In the effort to make this industry yield pacts returns a system of oppression and extortion ha Congo instituted by the Belgian officials in the ticed upon the natives is a horrifying one, and in enough details have denials by the authorities aries, travellers and other creditable by missionto make the civilized world certain that all is In theuld be in the Congo Free State. Association has been formed to make invest intention of allowing his Parliat Leopold has no the government of the Congo in any way dis arrange and re-arrange his cabinet prepared to et a ministry to do his cabinet until he can
\(\qquad\)
\(\qquad\) ruelty is felt by all the natives under Belgian icate one to handle Gridered nut accused of reaching out orreat . Britain
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\section*{CHILDREN'S DISEASES}
> population, and this being a new country the sien fore ining wore than another is in he propor of districts; hence we anticipate our readers will follow Dr. Davidson is already favorably known to the Farmer's Advocate and Home. Allen-Davidson's discussions of children's diseases.

DIARRHEA IN CHILDREN
\(\qquad\)
\(\qquad\) symptom, and is found in every degree from a simple looseness of the bowels to profuse watery ew hours. It is a far more serious condition in children than in adults, for several reascns: (a) Children need more nourishment than dults, proportionately, because they are growing growing bodies, as well as for nutrition \(u p\) the growing bodies, as well as for nutrition. Diarrhoea and renders the body incapable of taking more nourishment.
f adults, hence mor children is poorer than that supply of nutriment.
(c) Children have a feebler hold on life because of only partial development. When dealing into consideration the condition, we the the state of his surroundings
As these articles are written for mothers who conditions found in the country. While a doctor if available, should always be summoned when diarrhoea develops, because bad diarrhoea is not a case for home treatment unless unavoidable, the prevention of diarrhea is most empathically a least in the case of young children. For this reason every mother should be trained to recog-
nize and avoid what is not wholesome for the

\section*{ill of the body surface. This may be} legs, nect in the bath, or from exposure of the methods of dress or clcthing.
2. Cutting teeth. Sometimes a mild diarrhoea \({ }^{2}\). Cutting teeth. Sometimes a mild diarriœea tooth cutting
3. Lack of cleanliness. This will be dealt
4. Insanitary dwellings.

\section*{Impure drinking}
. Sudden changes of temperature and extreme
Sudden drop in temperature may be respon sible for surface chilling owing to insufficient
clothing-and consequent diarrhoea. Sudden clothing-and consequent diarrhœe. Sudden rises cause general relaxation and in some childProlonged high temperature is specially pernicious because (a) flies are so numerous, so persistent and hard to eliminate; (b) food
decomposes so rapidly in hot weather; (c) proIonged high temperature is debilitatingeven when It is quite probable that air, too warm, not only
fails of the tonic effect of air colder than the body temperature, leaving the tissues toneless and relaxed, but that these failing to do their accustomed work especially in throwing off the waste
products of the body, a form of self-poisoning products of the body, a form of self-poisoning
results of which diarrhoea is a symptom, the body results of which diarrhoea is a symptom, the body pads of white butter cloth next to the breasts. thus trying to "clean house." These should be changed frequently. The hands PREVENTION OF DIARRH©A. Should always be washed before nursing the baby, Now how are mothers to guard against this putting into the baby's mouth. If there is the
state? Manifestly by putting away or estroying slightest trouble with the baby's mouth, wash
the wher the causes of the trouble. Now, mothers, don't out before and after nursing. Indeed, it is best troubles in your busy life, that you can't of routine, and always during the hot months carry these causes in your mind. Weil, for that very reason I have tabulated the causes that are he greatest sinners. I am a busy mother myself years-better not till after five years of age. Bread and milk, part or all of a soft boiled egg.
milk puddings, soup, etc., supple a simple milk puddings, soup, etc., supple a simple diet,
and sufficient variety can be obtained. Give starchy foods sparingly until after two years. allay thirst in teething give sips of cold wate often rather than large drinks at longer intervals. To drink too great a quantity of water tends to looseness of the bowels.
If the bowels get too loose, of course, give a dose 3. Lack of cleanliness.-Especially do though. babies suffer. They take in a lot of nursing Matter with their daily supply of nourishment. hought are often extremely careless in many ways. They handle the breast with unclean hands, and then nurse the child without cleaning so mipple. The mother s under at becomes render the breast a source of danger Mothers who are nursing should wear clean, absorbent
pads of white butter cloth next to the breasts.
These should be changed frequently. The hands ut before and after nursing. Indeed, it is best
or the health of the child to do this as a matter
of routine, and always during the hot months
cause is most in evidence in your home. Get Be sure it is clean-the absorbent is better. Take think and plan systematically to fight unwhole- the finger is clean) wrar little finger (see that some conditions, your work in the home will be into the salt solution and sweep over the roof and helped, not hindered. It is better to take even back of the mouth. Now another piece and a lot of extra care to prevent the trouble than to wash between the gums and cheeks, upper and for childentra work and care and anxiety, caring lower; lastly, another fresh wrapping and wash when sufferlng from this is always better and cheaper than cure how expeditious the latter may be. I shall take feeling in his mold to it and has a refreshed get causes in order and try to tell you how to Another way in which baby is victimized is by diarrhœea.
Children under five yainst chill by sensible clothing. woollens under five years of age should wear woollens next to the skin. These should, of load the trunk by a in summer, and dress, just to make the child look nice and eave the legs bare, especially not during the chill of evening. If the child is used to going barefooted as well as bare-legged and is sturdy, he will me so likely to take cold. The custom of havCit without prod warmly and the poor bare legs Canada where the cion, especially here in Western sudden, is responsible for many "colds." Deli ate children, those subject to colds or bronhitis, should wear woollen or cashmere stockings e child "cold""-avoid these 2. In teething, if the gums are swoollen and they bleed freely; this relieves the swelling and pain. If the child is feverish give a warm mustard foot-bath at night and sponge off the body with tepid water in which a little soda has been of mustard in two gallons of water. Put in a pail so that the water will come up round the legs and Give only the simplest food and Watch the food. no meat, and, right here, I want to say that no child should get any meat before the age of two fus wite thees chases out ant haty them op pin 2
you will make the air of the sleeping room pure rest of the family in the same room. And every there is more of it." Most mothers know these by keeping the doors and windows open. Never article of food paid toll to the flies. In a short dangers and forbid such indulgences. Manure haps fore all the in regard to store fruit, bananas are pretty Mand, rank growths of weeds or scrub, anything trouble, but I firmly believe the flies were respon- edible part is protected from infection, the that harbors dampness or filth or creates foul sible for part of it. Here is an item that I quote some children get diarrhoea from eating then dors and swarms of flies, are all most prejudicial from the Neepawa Press of Aug. 2nd. but cherries, plums, pears, peaches, grapes, harmless at once. If these are allowed to remain during the hot season is both timely and helpful fouling the air during the debilitating heats of Under the caption of Flies as Disease Bearers, summer, the vitality of the children will be low- it says: "The United States Department of ered by breathing this unwholesome air and Agriculture has started a crusade against the which is constantly present where uncleanness experiments as to the best methods of banishing lurks.
. Infected or Unsuitable Food. Food infec- found to be not only a nuisance, but a menace ciently alive to the danger of infection from disease and death. flies. In many homes almost no care is taken "Many epidemics which sweep over comto exclude these close to the back kitchen, the the fly. Having its origin in filth, it brings slop barrel, or worse-all the kitchen the in as it moves about, now crawling over refuse now hot weather, or the manure heap close to the over the food on the table, flying from the lips house, may supply the breeding and banqueting of the sick to the lips of the healthy, it is said to be ground for thousands of flies, every one of which more dangerous to modern society than were the give your child a fatal dose of diarrhœea. Parents, "The high mortality among the children in the aren't there some of you who are reading my congested districts of a city, where families are that you can't get peace to read? Do you chase ulates fast, where food is often kept in living them off what you eat, fish them out of your milk rooms, is due to a large degree, so scientists now and tea? I know it is so. I have seen it often. Say, to the fly. Infant diseases chiefly prevail would impress on your mind that fies are more C Nash, ine the fournal of Royal Sanitar deadly than arsenic or stre drugs, because health officer, says that the fly is responsible for every one is alive to their deadly effect, and, the deaths of many children, because of polluting moreover, comparatively few people ever come the milk which they drink, "It is a matter that has them and has considerable trouble to get them. recently, 'but we now know that the common But every one is subject to the poisonous infection house fly is an agent of importance in carrying carried by flies. These pests are innumerable, he germs of the orms were only carried in eyes, sores, in short everything they touch. water, milk, or other liquid food. Flies both Parents, do wake up and think! Don t you know breed and feed in places where the germs are to
these flies must be unspeakably abominable be found, and then, flying into our houses, no from your own observation? Have you ever doubt often carry the germs and deposit them seen any filth in summer that was not covered by flies. Human and animal excreta, carrion, \({ }^{2}\). Food may be rendered unfit for use through of flies that soon become the color of the rotten- that have become tainted, or that have been ness they are crawling over. I am speaking as even slightly infected by flies. Watch your
plainly as I know how, hoping to rouse you to canned stuff. Canned vegetables are often the danger of flies in the home, and that you will spoiled. Canned meats too should be rigidly closely screen the doors and windows, putting scrutinized. Indeed, I would say canned meats
good springs on your screen doors to keep them should be entirely avoided in summer by adults good springs on your screen doors to keep them should be entirely avoided in summer by adults
shut. Enlist the help of the children to keep and always by children. out flies. Once during an epidemic of cholera 3. Fruits. Mothers will have to be guided by infantum 1 was called to a home where one child their own judgment child's clothing was soiled and care had not been where children have the run of the garden and taken to remove all soiled clothes. The flies are apt to eat unripe currants, gooseberries, etc.,
simply could not be kept off him. Soiled places and add a few raw turnips and carrots, would be covered with them the moment after peas in all stages of greenness, trouble is pretty they were driven off. Supper was taken by the

\section*{THE DUTY OF LEISURE} And He said unto them, Come ye
yourselves a part into a desert place, and
rest awhile: for there were many coming rest awhile: for there were many comin
and going, and they had no leisure s
much as to eat -St Mark yi. as
Goods chought are not as our
\(\square\)
THE QUIET HOUR々
 loving command would be foolish as
well as wrong. They wanted to live
lives of devoted server herefore it was necessary as you doDreadinghts: we look on Solomon says: "The contentions of a first causes. Indeed, sensible people will mind and spirit refreshed and invigor Counting thay sharp stones on its tediHe curs say. \(\begin{gathered}\text { or. our small troubles, day } \\ \text { by day }\end{gathered}\)
\(\qquad\) And cares murnur, unrepent ing, o'er the Thinksing to thow our strength in our His patiences Still gently bears." bright ness of home life; binu tishing some the

 are indulging in the sin of fretuluness, it has not the true ring, so, it your snmile
causes so much unhappiness and des- are forcue end
and troys beauty of character so effectively
that we must touse oursel ves sigorously

Holidays are being considered scien
tifically in these days. For instanc tifcally in these days. For instance,
there were more than 1,000 teachers emthere were more than
ployed in the vacaion schoolschans al em
ground of No New York City last year grounds of New York city last year-
teaching the children the best way of
having a good time having a good time.
shall have teachers sent around to our
farms to instruct the busy workers ther farms to instruct the busy workers there Which will not
But a holiday can accomplish far
more than the giving of an increase of energy and freshness. We are too apt getting the far greater importance of th invisible building going on all the time. Many a mother is conscientiously working for her hus-
band and children, wearing herself out band and children, wearing herself out
over meals, housecleaning and sewing over meals, housecleaning and sewing,
and all the time drifting farther and farther away from them. She has n
time to keep in touch with their in terests, no time for a drive or a walk or
a picnic, no time to read books which will keep her intellectually abreast of
them, no time for the quiet talks in the their hearts and opportunity to sow by earnest prayer, will certainly grow
up and blossom in new beauties of life up and character. Perhaps she has no time for prayer-but we can generally find
time for those things which seem to us of vital importance-and so she drifts touch with her own family, and so loses the power that is lying close against her hand. She lets old friendships fade out
of her life because she never takes time to write friendly, chatty letters, never visits old friends, who at last grow tired of inviting her, and perhaps even forget ness and glory fade out of the life of such a self-made drudge -I am not
speaking of those who are really forced
to live a life of ceaseless toil cause bustling Martha does not just beate the solemn warning which draws Mary in quiet restfulness to the Mascer's
feet: "Martha, Martha, thou art careful and troubled about many things: chosen that good part, which shall not be taken away from her."
greater than visible is insible things are of everlastingness - ' 'they shall quat be taken away," because they become part thought and holy desire is woven at once into the character, and each bitter and temple where God should be worshipped in gladness.
We are wronging our Master when we force the outside world to suppose that
He is a hard taskmaster, treating willing servants like ill-used sla ves instead of like loved children. Surely it is not only
rest of soul he is speaking of when He says-offering a benediction which is
also a command: "Come unto Me, all ye that labor and
> means of saving power is to rest jus before getting tired. When exhaustion comes, it cannot be recovered from the plan adopted by the boy who sat
down because he saw a fall coming, and so a voided a se vere shock. If the advice were generally followed, our numerous
sanitariums for nervous prostration
would have to close their doors. The would have to close their doors. The
people who act as though life were made cises only one arm, and leaves the rest of his body to grow weak and torpid
through inaction. God has given us intellectual power, and the love of
beauty in art and nature: surely it is a
sin sin of omission to leave these talents to
rust in inaction, or die out altogether, When they might be cultivated and
used for His honor and the good of our
fellows. God has made us social beings lenows. God has made us social beings
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)

\section*{THE FARMER'S ADVOCATE}


CHE FARMER'S ADVOCATE
Foundid 1866

"Thou hast been called, sleep, the friend of woe, called you so. \(\begin{array}{r}\text {-Robert Southey } \\ \end{array}\) Sleep on a Guaranteed
hercules BED
for thirty nights. Money back if you want it If you don't sleep sounder and awake more rested-if you
don't think guaranteed Hercules Spring Beds are the best
you ever heard of-just say so you ever heard of-just say so
to your dealer and he will promptly refund your money.

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HARVEST IN SOMERSETSHIRE
SELECTED RECIPES
Then the golden harvest came, waving Pickled Nasturtium Pods.-Gather on the broad hillside, and nestling in the the pods on a dry day and wipe clean
quiet nooks scooped from out the fringe with a cloth. It enough cannot be of wood. A wealth of harvest such as found to till a bottle at one time the
never gladdened all our countryside pods may be added as they ripen since my father ceased to reap, and his Place the pods in a dry glass bottle and sickle hung to rust. All the pour over them until the bottle is sul
parish was assembled in our upper court- a mixture of one ounce salt and six pard; for we were to open the harvest a peppercorns to each pint of vinegar.
yar
that ear as had been settled with far- When the bottle is as iull of pods as is that year, as had been settled with far- when the bottle is and who held the third or little farm.
started in prope order, therefore, as our practice is: first, the parson, Joshiah Bow-
den, wearing his gown nd den, wearing his gown and cassock, with
the parish Bible in his hand, and a sickle strapped behind him. As he strode No.1.-Eighteen sour apples chopped substance, all our family came next, I moist sugar; 4 ounces each ol ginger,
leading mother with one hand, in the onions (cnopped) and salt; one-nalt rb, other bearing my father's hook, and roasted muspara seed, 1 teaspoon red with a loaf ot our own bread and a keg
of cider upon my back. Beside us (sisof cider upon my back. Beside us (sis- No. 2.-Halt a pound each of sour
ters) Annie and Lizzie walked, wearing apples (chopped); tomatoes; salt; brown wreaths of corn-flowers, set out very sugar; stoned raisins; 2 oz. cayenne
prettily, such as mother would have 4 oz, ginger; 3 quarts vinegar prettily, such as mother would have 4 oz. ginger; 3 quarts, vinegar; 1 quart
worn if she had been a farmer's wife, lemon juice, Mix well; put in a well instead of a farmer's widow. Being as covered jar; keep in a warm place, and she was, she had no adornment, except stir every day tor a monih. 1hen
that her widow's hood was off, and her strain through a cloth, but do not press that her widow 's hood was off, and her strain through a cloth, but do not press;
hair allowed to flow as if she had been a put the solid part into clean dry bottles hair allowed to flow as if she had been a put the solid part into clean ar sauce for
maiden; and very rich bright hair it was, and seal. Use the liquid as a saus and and or fish.
in spite of all her troubles. After us the maidens came, milk
maids and the rest of them. Raisin Bread.- 3 lbs. flour, \(\frac{1}{2}\) th There must have been three score of us, to caste, good handulul ot sugar. Stone
take one with another; and the lane was the raisins. Yut the flour, salt aud
full of people. When we were come to full of people. When we were come to sugar in a bowl, rub in the lara
the big field-gate, where the first sickle was to be, Parson Bowden heaved up yeast cake to soak in lukewarm green with it; and he said, that every- milk or water, make a hollow in the
body might hear him, though his breath center of the flour and pour it in, was short, "In the name of the Lord, Amen!" "Amen so be it ", cried the clerk who will require about tive hours to rise
" was far behind, being only a shoemaker. atter it is kneaded. This will make
Then Parson Bowden read some verses three small-tin loaves. They require from the parsish Bible, telling usto lift up about one hour to bake. I pull them our eyes and look upon the fields already about half an hour, and turn them the
white to harvest; and then he laid the Bible down on the square head of the other side up; was bothered with them gate-post, and, despite his gown and burning but put an old tin full of cold
cassock, three cassock, three good swipes he cut of water in the oven till I had learned the
corn, and laid them right end onwards. why and wherefore of the stove. (Sent corn, this time the rest were huddling out- by Blossom).
side
side the gate and along the lane, not dar- Old Yorkshire Standard Pie.-
ing to interfere with parson, but whisper-
ing to interfere with parson, but whisper-
ing how well he did it.
of pie. Custry for both top and bottom When he had stowed the corn like lean, put in side the pie. Beat two eggs
that, mother entered, leaning on me, and well and pour all we both said, "Thank the Lord for all his wall and pour all over the meat. Add
mercies. and these the fist fruits and put on the top
hand!" And thist. By the time the crust is done hand!'" And then the clerk gave out a the meat will be ready also, usually in and also a little hot water. Cook psalm verse by verse, done very well; about half an hour. (Sent by Leeds until the rhubarb is tender. For thre,
although he sneezed in the irom a beard of wheat thrust up his nose Vinegar for Salads-For
bv the rival cobbler of Brendo by the rival cobbler of Brendon. And Vinegar for Salads-For vinegar
when the psalm was sung, so strongly that is to be used at once with salads,
that the foxgloves on the bank shaking, like a chime of bells, at it, of acetic acidj to a cup of water.
parson took a stoop of cider, and we all This will not keep well enough to use parson took a stoop of cider, and we all This will not keep well enough to use
fell to at reaping.-R.D. Blackmore in for pickles but is good for immediate
"Lorna Doone."


Lord and Lady Aberdeen Sour-cream Salad Dressing.-One cu sour cream, 1 teaspoon sugar, 1 table dash of cayenne, 3 tablespoons vinequat Mix the dry ingredients in a bow Add the lemon juice, and then the the cream, and set on ice till needed for any vegetable salad.

To make raspberry vinegar pick out stems and leaves from the berries, then
press out the juice through cloth or flannel bag. To every pint a juice add one pound of sugar and a quarter of a cup of vinegar (or the and let stand half an hour before press ing). Boil for fifteen minutes, then put up in bottles or sealers. Fill a glass the drink is the liquid, add water and thor

Rhubarb and Orange Peel Jelly.
Cut a pound and a half of rhubarb int pieces an inch in length; sprinkle ove them a cupful and a half of sugar and and also a little hot water. Cook
directly over the fire or cover and bake cupfuls of this soften one-third a package of gelatine in one-third a cupful of
cold water; when well softened turn into the hot rhubarb. Harden in a
mould. Serve with thin cream, flavored and whipped with an egg-bore Garnish with figures of candied orange
peel. Cook the peel in sugar and water if it is necessary to soften it.

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towation
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and churches convenient.
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\section*{British Columbia} Irrigated Fruit Lands with Water Free


THE FARMER'S ADVOCATE

\section*{CHILDREN'S CORNER}


And I suppose I'll never know now house. There are quite a tew fish
what those kittens looked like, how big in it in the spring, but the river was so they were, whether anybody gave muddy this spring that we did not get
them something teat out of the dinner any. May just brough Vera on the pail and who took them home at four table a nd shook it so my writing is not
oclock. It better to tell one thing very good. well than to mention half a dozen dory Lily May Metcalpe. (13) you see what I mean, kiddies?
What are you going to do about itt
Here are some of the plans I have made A NEW MEMBER FROM B. C.
 children who are not very old or who tea-party at my friends who keep the
have not been to school very long post office here, Laura Hagan showed
 little children's , etters
have to go over in that column too. acres bordering on the Saanich Arm, Then, occasionally I shall shut my which is a delightful body of water for eyes and draw out a letter to be printed booting. About three miles from our
exactly as it was written, without cor- place is a Cement Works which runs exactly as and was ind ins iling or punc- day and night. I have many friends
recting any errors in spell
tuation. It may hapen to be good there as I meet them at our country or fair or even poor -that will make school which is about a mile and a hat
no difference. Some other times I from house. will draw out one and have it repro- The have a dear dog. His nane it
duced exactly, handwriting and ant.
Chum, and a ditte pop which has n
\(\qquad\) \(\begin{array}{lll}\text { e., but because they are done on the } & \text { B. C. (a) KITTY Hace }\end{array}\)

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WHY HOT TELL US ABOUT THAT A SPLENDID PART OF MANITOBA.

A RACE ON THE WATER.
\(\begin{aligned} & \text { Dear Cousin DDorothy }- \text { My father } \\ & \text { has taken the FARMER's ADoctate for } \\ & \text { three years. I Io to school and am in }\end{aligned}\) three years. I got oschool and am in
grade four. My studies are arithmetic
 spelling, reading, writing, drawing and hali mles irom the town of Boisse vain.
composition. My teacher's name is We have quite a pretty place and there Miss \(\mathrm{M}-\). We have sixteen horses,
and two colts named Belle and Jim. must tell you of a trip we had to Ninnete.
We took our Iunch and went down on
the train in the morning. returning in
the evening It was a very pretty
俍 the evening. It was a very pretty
place for a picnic. We had a ride in in gasoline boat and ran a race with
another boat of the same kind, and best
of all we won. Man. (b) Edna M. Cook. (II)
BATHING AND BOAT RIDING.
Dear Cousin Dorothy:- I am now
way for my holidays and am in the away for misy holidays and am in the
country visiting. I am very much interested in the letters the children
write, so I thought I would like to write

There is a lake just three miles away
and I go in bathing and boat riding. ather the eggs every day and go out
berry-picking. My sister, fifteen years old, passed her first part of her third
othis pear. I will take my entrance next Chis year. I will take Int
year. The sujects 1 I
srammar and arithmetic
Man. (a)
take a saw mill fifty miles. Dear Cousin Dorothy:-This is the Children's Corner. I am going to
school. We have a fine teacher. Her
name is Miss D. I Aad some of my
It
name is Miss De 1 and some of my And peeping betwcent the crowding head ago I am in the third reader. This
a The
a rery pretty country. You can se

 north of here to saw lumber. Hoping
his letter will satisfy you, I remain
Saskatchowan. (a) Avstin Smyme. (9) A PONY TO DRIVE
has taken the Frrmhe s Movecthe
always read the chill ren's 'orner


Report of

\section*{Kootenay Fruit Farm} which represents the cream the land of this district This farm contains \(t\) two hundred and thirty.
four and one-hal acres and is situated on the



 most open, and fertilie valleys to be found in the
district of Kootenay. The valley in place over three miles wide, and the land therein is
the therage fairly easy to clear and general
speaking is free from stone. Caribo greet the average fairly easy to clear, and genera,
speaking is free from stone.
throughibo Creek ray rue the valley. This stream through the valley. This stream contains
inexhaustible suppy of water for all time to con
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)
to
\[
\begin{aligned}
& \text { סought at a low price, } \\
& \text { Write at once for price and terms. } \\
& \text { TOYE } \mathbf{~ C O O . , ~}
\end{aligned}
\]


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\section*{Cream Bars}

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THE FARME,

Questions and answers.












\(\qquad\)

CALF \(\begin{gathered}\text { BlOATING: CATTLE } \\ \text { SCOURING. }\end{gathered}\) I. I am feeding a calf in the stable
ni good strong meal, and he bloats; nol


 cause, and is salt effective as a preven-
tive? 2. Last spring I a pplied some sheep
dip on a steer's back to kill lice, and the
"WHAT IS DSPPEPSIA?"

There is no form of disease more pre valent thàn dyspepsia, and none peculiar to the high living and rapid eating of the present day mode of life Among the many symptoms are Variable appetite, faint, gnawing feeling
at the pit of the stomach, with unsatig fied craving for food; heartburn, feelin of weight and wind in the stomach, bad breath, bad taste in the mouth, 10
spirits, headache and constipation. BURDOCK BLOOD BITTERS
mill curo the worst case of dyppoping by regulating the trows.
up the digestive organs.
 N.S., writes until I started to use Burdocr Bro Bitters. After I had taken three bottles I was completely cured and can oat anything now.

ORCHARD HOMES IN
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Good soil. Absolute title. Daily trains. Serviceable roads. Something practical. Something that thing that will yield a good income thing that will yield a good income
and all these in a community, not in a wilderness.

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條 thes couldn't duplicat
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THE FARMER'SADVOCATE


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lever close to the driver's hand. The
apron drive feed is always under eash
controter controt of the driver, who can at? will
regulate the quantity required. A bright boy who can drive the team can operate the spreader as well as a man. There is a 6,000 acre farm in North Dakota where ten of these spreaders are kept busy in seeding time. This is a
striking recognition of the machines

\section*{WOULDN'T BE TAKEN IN}
"There are still a few honest men left
n the world," said J. J. Hill, the finan cier, at a banquet. "It is well to be everybody. If we should not suspect and they still tell Paul in my youth,
farmer about an old farmer and his wife who started for St.
Paul on a visit. "Before the couple set off they were
cautioned repeatedly by their friends to cautioned repeatedly by their friends to
beware of the St. Paul sharpers. They
Teplied that they would keen their berlied that they would keep their eyes
repley
open. And they started on their journey with a nervous determination to
look out for sharpers and confidence "Well, on the way the old farmer got
off at a junction to buy some lunch off at a junction to buy some lunch, and
the train went off without him. It was
a terrible mishap a terrible mishap. The last he saw of
his wife she was craning out of the car window shouting something reproach-
account of the noise of the train. "It happened that an express. ceme along a few minutes later. The old
farmer boarded the express and beat
his wife to \(S t\). Paul by nearly an hour. his wife to St. Paul by nearly an hour.
"He was waiting for her at the station
when she arrived. He ran up to her when she arrived. He ran up to her
and seized her valise.
" 'Well. "Well, Jane," he said, "I am glad
to see ve again. I thought we was
separated for good,
\(\qquad\)
\(\qquad\) cried: 'I left my husband at the junc-
tion. Don't be comin' any of yer con-
fidence tricks on me, or I'll call a police-
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)
Vierv much, indced, quietlv replicd

Questions and Answers

NAVICULAR DISEASE. \(\begin{aligned} & \text { that an increase in wages was a goo } \\ & \text { Niare is lame in fore leg; sometimes } \\ & \text { reason for leaving. Iou cannot con } \\ & \text { worse than others. She is worse when pel him to supply another man. You } \\ & \text { she is worked. She is getting worse. I only recours is in the wording of the } \\ & \text { ogreement and if our explanation is no } \\ & \text { can find nothing wrong with her foot. } \\ & \text { The top of the shoulder of lame limb is clear you should get a solictor to advis } \\ & \text { lower than its fellow. }\end{aligned}\) you.

Homesteads: LINE FENCE. and take one up in Saskatchewan or can I buy land at \(\$ 3\) an acre in SaskatcheA \& B have adjoining farms.
lives on his, B does not. Can A comp
B B to put up his share, of the line fence
or if A puts it up can he make B for it, or if A has a deal on with B, can he hold back part of the money due B
Alta.
K. J. H. Ans.-No, once you have obtained
your patent you are not entitled to another homestead of Dominion Govern-
ment lands. There is some land in 2. A can build the fence and then if B ever makes use of it to enclose
stock A can collect cost. Otherwise
REMOVING ODOR OF SKIN Will vout tell me through your paper
there ss any wav for removing the smell from a woif skin which has been
tanned and is being used for a mat
haps some of our readers could tell.
haps some of our readers could tell. permanent cure cannot be made. She What SILVR FOX SKINS,
must have rest. Remove shoes. Give , What is ment lands. There is some land in rom home whole oats at night; next Saskatchewan that can be had for \(\$ 3\) morning was found lying down in stall Oliver's Bill to make vacant lands on up soon after she would lie down again. odd sections a vailable at \(\$ 3\) or other with help of neighbors. In your ans-
normal sums per acre has not yet wer please deal with the

\section*{HIRED MAN AND AGREEMENT}
\[
\begin{aligned}
& \text { I hired a man from April to Septem } \\
& \text { eer for } \$ 30.00 \text { a month and we have }
\end{aligned}
\]
\[
\begin{aligned}
& \text { ber for } \$ 30.00 \text { a month and we have } \\
& \text { writing between us that either part } y \text { can }
\end{aligned}
\] cancel this by giving eight days' notice
and for good reasons. Now, my hired and for good reasons. Now, my hired man told me this morning that he
would quit me next week and when me, he said he had none, but I see he
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\square\) anv, then you would be justified reasun. is not in the contract then
nan is within his rights and if yu pr
tester wo would be able to show a

\section*{DE LAVAL SEPARATORS}

The superiority of DE LAVAL Separaters over others is easily apparent to any man who is practical enough to protect himself by investigation against a poor in= vestment. To buy a cream separator without first trying a De Laval is to do an injustice to himself and his dairy interests.
The De Laval Separator Co.
Montreal
WINNIPEG
Vancouver

\begin{tabular}{l|l}
\hline give a tonic, sulphate of iron, 4 ounces; & her because she staggered and could
\end{tabular} gentian, 4 ounces; ginger, 2 ounces nux vomica, 1 ounce. Give a table WEAK MARE.
I have a mare that has been sick all spring and summer. She eats well spring I fed three gallons of oats a day and good hay, but she would not eat I used her about a week's time off
on. The last day I had to unhitch
hardly walk. I took the harness of and let her go. She began eating a A few days after she got quite sick A few days after she got quite sick
have given her raw linseed oil and turpentine for worms, but she did not pass ahy. Now she is thin, she steps
heavy. When I turn her around she grunts. She shivers in the front legs Alta. Ans.-From the symptoms as you
describe them, your mare must be


THE FARMER＇S ADVOCATE

DR．FOWLER＇S Extract of
Wlı Stawebery ○丁凡卫s
Bummer Complaint， Dlarrhoea，

\section*{Dysentery，}

Collc and Cramps，
Oholera Morbus，
Cholera Infantum
AND
All Fluxes of the Bowels．
It is without doubt the safest and most reliable remedy in existence．
It has been a household remedy for dxty－two years．
Its effects are instantaneous and it does not leave the bowels in a constipated condition．
Do not be humbugged into taking momething the unscrupulous druggist says in just as good．

Mrn．Ed．Stringer，Hemmingford，Que．， caja：＂I have used Dr．Fowler＇s Extract of Wild Strawberry with acoellent results．I always keep it in the house as it is the best cure for Diars－ hoea that can be had．


We Own 80，000 Acres of the
Best Wheat Land
Prices from \(\$ 7.00\) per Acre

 FARMER＇s otowization and supply company
\(\left\lvert\, \begin{aligned} & \text { suffering with some germ disease，most } \\ & \text { likely swamp }\end{aligned}\right.\) likely swamp fever，for which there
has not been any sure remedy discovered．
You might try the following：sulphate You might try the following：sulphate
of iron， 4 ounces；powdered gentian， of iron， 4 ounces；powdered gentian，
ozs．hypo－sulphate of soda， 8 ozs；
nux vomica， nux vomica， 2 ounces；powdered
digitalis， 4 drams．Give a tablespoon
ful twice ful twice per day in mash．
SUNBURN OR INDICESTION
A litter of spring pigs have a scab
or scale along the back；the ears are
also affected－and the tips folded down or scale along the back；the ears are
also affected－and the tips folded down．
Kindly give cause and remedy．
Sask Kindly
Sask．
Ans．－This condition may be due to
sumburn，as we have seen pigs so affected from this cause．For this apply
grease or oil．It may be from indiges－
tion，for which reduce the feed Give grease or which It may be from indiges－
tion，for whee the feed．Give
prenty of exercise and let the pigs have
free access to plenty of exercise and let he pigs have
free acess to charcoal．See that the
bowels are not constipated． COCHIN COLOR：KILLING TREES． \(\begin{aligned} & \text { udder was very hard and two teats sore } \\ & \text { and turned black one－quarter of troken．We udde }\end{aligned}\)
Windye washe has black feathers on her tail and wing．
Are these objectionable？Could I send Gile \(^{2}\) ．At what season should Balm of wise－I do not consider it would be Gilead trees be cut down so as to kill from the cow．The any more calve
them？ Ans．－The American Standard of your cow was not properly attended to
Perfection gives，causing inflammation age qualifications for Buff Cochin hens：lose the use of two or more of the of rich golden buff，free from shafting
or mealy a ppearance；under－color a treatment shor gough dry，bethen
or wiould or mealy appearance；under－color a thorough bathing with hot water and
lighter shade，free from foreign color．Tubbing，or the air treatment Black or white appearing in wings or
tail is a serious defect and one shall be considered as objectionable as the
other．Different shades of buff in neck， back，wings or breast，or in two or more，be ruptured at the thich appears to
sections，constitute a serious defect．A should he be treated？ harmonious blending of buff in all sec－
tions is most desirable tions is most desirable．＂
These being the standard qualifi－ cations for color in buff cochins，you is called the covered operation．Hav
have evidently been imposed upon in a thoroughly qualified veterinarian to
respect tothe birds youbought．Whether operate．© ic respect to the birds you bought．Whether
or not you will be able to get redress
depends upon the nature of the bar－
gain made．If you bought them for depends upon the nature of the bar－
gain made．If you bought them for
high scoring birds the seller deceived high scoring birds the seller deceived 2．Along in mid－summer．
SWOLLEN GLANDS． Have four－year－old mare，was raised
in Ontario last winter．One horse in Ontario last winter．Was raised
where she was had distemper；this mare seemed all right；brought her west
in spring．Shortly after arriving she
began to cough slightly at times when began to cough slightly at times when
feeding．Cough lasied about two weeks，
Now she breal hes loudly；can be heard


PAYING FOR LAND OR WATER． 7
Can you inform me about the surve of a one－quarter section of Hudson＇s Bay
land，whether you have to．pay for a lake
on it about sixty acres in extent？The
neighbors on it about sixty acres in extent？The
neighbors claim that you only pay for
the land that is the land that is surveyed on the one－ ment surveyed the lakes too．Would
the Hudson＇s Bay Company give me the Hudson＇s Bay Company give me
the information how much land and
how much water therevis？ Ans．－If you have purchased a
Ans．
quarter section from the Hudson＇s Bay
Company on which there is a lake or quarter section from the Hudson＇s Bay
Company，on which there is a lake or
large slough，you will only be required
to pay，for the actual land not covered
by water．If，however，the lake or slough is within or any part of it within
the quarter section of land which you Ans．－It is probable the glands at This of course dous not apply to nouv．
each side of the throat are still swollen able lakes or rivers，If you would
and enlarged，which restricts the pass－write to The Hudson＇s
and of air in the


SIZE OF CHICKEN HOUSE．
What size would a chicken house


E．P．H．
Ans．－A house 10 by 15 feet would
An about the right size to house 50 pul－

the best kind to use in particular

Have BONE SPAVIN． Have horse three years old that
started working this spring and just started working this spring and just
started throwing out a bone spa vin．He He
is not lame and the swelling is very
slight．I put on a blister and turned slight．I put on a blister and turned
him on the prairie，but he is just the same yet．
Can anything be done to reduce the swelling and is it liable to cause lame
ness？

The Best in the KOOTENAY 52 acres of splendid fruit land only
20 minutes from the center of the COty
of Nelson．First－class wagon of Nelson．
through proper 5 acres under the very best of culth vation and 13 acres almost ready for planting．
tof an acre bearing strawberries． 500 raspberry bushes． 150 apple treen．
50 cherry trees．All the very best varieties．
Last year 4\(\}\) TONS of finest tomawos Were raised from half an acre of new
ground on this sunny property and marketed at good prices． Small trame house and good frame 8100 per acre on ensy terms．
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Pufs，and and lamenees from Mavin，
Ringond and other bon tumora．
tures ail olin diseases or Yarasites


 －The Lawrence－WIIllams Co．هTeronto，Ont．
－

 Fleming＇s Spavinc．Cure（Liquid）

 Fleming＇s Vest－Pocket Veterinary Adviser
 FLEMING BROS，Thombtate Wrial
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An\mp@code{Mal}

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Inetet adivie
inatiter ivillis

\section*{in the}
augast 21,1907
THE FARMER

With all his wonted dash and decision, Robert Wood, Costerton, and Mr. George
and the moment he focussed his charge Dickson, Alderston, they being equal
(a lot of five) he dropped as if mechan- Here in both cases the workin a lot of five) he dropped as if mechan- Here in both cases the working, though
ically worked by his master. Then he indicative of great possililities, was to icaved on to the first pole; showed a severe, and altogether lacking, was too
moved
perfect mastery here; and when the shed and method. Mr. George Linton, Millwas approached everybody felt that a knowe, pressed hard on the third, for every gesture of his master, he cleverly approached his closing display he should cut off the marked two, then drew up to certainly have commanded the second the penning in magnificent style. This, away tests, was accomplished almost perfectly, the result being that he was
placed first. Mr. Andrew Brown, Soonhope, came in second with Maid, a seveninto action. She entered upon her task with practiced ease, took possession of her lot without any firmly stived ispay cossed the first pole perfectly a and face up to the shed like one who had long dis covered that much running was bad art evident in her every move, she attach-
ing more importance to inches of space ing more importance to inches of space
than did some of her more showy rival
to yards. As she came up to the pen, to yards. As she came up to the pen
there was a tantalizing simplicity in her manner, since it seemed to satirize the at the pen she showed herself no mean
mistress; and on the single sheep, as at mistress; and on the single sheep, as at
the final test, she more than fulfilled the expectations created by her opening
points. Mr. A. Millar, Ballageich, with Risp, and Mr. Simon Rutherford, Over
hall, with Jim, divided the third. Risp hall, with Jim, divided the third. Risp
is a son of the famous Frisk, and shows himself in every respect worthy of his
sire. His run out and crossing the first pole was faultless; nor did he disappoin at the shedding and penning, his action
being truly fascinating. On the single
sheep he made a wrong calculation, in no way glaring, but just such as might ha been averted. His taking-away was brilliant form. Jim's first point lacked the decision of his first pole and shed
ding operations. At the pen he was seen ding operations. At the pen he was see
in his old commanding mood, ever move marking progress. Like Risp, o che single sheep he threw himself to
close on his charge, and thus sl ghtl marred the opportunity of his showing and grandly sure. In placing the fourth the decision of the judge was subjected to considerable criticism, many thinking
that Mr. Wallace's dog deserved more that Mr. Wallace's dog deserved more permitted, we understand the judge would have demanded a re-trial of the
last four dogs, their points having made last four dogs, their points having mad His (Wallace's) dog took his course ski ully, dropped beyond his sheep in rar fashion, but, according to the judge although this was disputed) he evinced a slight waver in his succeeding move
ment. Perhaps the master made a mis take in departing too far from the start ng post as the dog was approaching th frst pole, thus rendering a flanking turn,
vhich is always important, unnecesfar
he dog was weak. At the shed and
penning great work was performed
penning great work was performed
Then on the single sheep the best prad
ice of the day, with one exception, wa
itnessed. At the taking-away, how
ver, he was not quite so happy, although
In the confincd class, Mr. Thomas Gil
olm, East Fortune, was first with Bill
with two pronounced faults. His run
put and first pole were dazzling
put and first pole were dazzling. At At the
excelled, but as time advanced he
seemed to become stubborn, and refused
o respond promptly to his master. For
the forward move, particularly at shed
ding and penning, he invariably substi
tuted a half-crescent, which gave ground

\(\qquad\)
\(\qquad\)
\(\qquad\)

\section*{Your.Stomach Makes Signs}

Do you know them? Hunger and thirst, for
xample, are the sensations that communicate its need of food and drink. You heed these signs, but here are others, just as imp

When your stomach refuses to digest its food, it

\section*{For}

Beecham's Pills and gives you decidedly uncomfort ble sensations to make known its need of this old and proven medi.i. Dull pain in the pit of the bowels are all signs of stomach headache, sluggish wo of Beecham's Pills will quickly set things to rights. They relieve the head pains, sweeten and tone the stomach, promote digestion and establish regular and healthy bowel action
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perations are carried on. are potent DAUPHIN FAIR. actors in promoting the growth and A wet and stormy forenoon undoubr
spread of noxious weedss insect pests and tungous diseases. This fact, and what bition opt bth inst. and caused numerous
t means, are alreadv well known to the t. means, are alread Well known to the entries not to appear in the rings
Western grower, and the seriousness
Allowing, however,, oro this one is with which it it being looked upon is impresesed than ever with the needd fort evidenced by the increasing number an importation of better stock if farrners
who are welcoming who are welcoming asystem which will in this good land are to cut any figure
enable them to keep these things under in the beef or dairy industrie enable them to keep these things under in the beef or dairy industries. Holyres
control.
were the best represented of till 1 tive Many varieties and strains of oats and stock and seme tepresented on on all int bartey are also being worked upon, and the agricultural classes. Reverting th
excellent results are being achieved, the breeding of an improved cattl the while such crops as beans, peas, clover evidence given on Farr day betore the
and millet are also receiving the advan- Beef Commision seems to point to the tage from the lessons taught by the fact that farmers are of the opinion
 toveted plants for seed purposes. The to warrant extensive outlays in hiph
 ing a hash standard in crop raising can hardly blame them, as business
should appeal to every prower.
men, for refusing to embank


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\section*{LAMENESS}

Whether it is a fresh Bruise, Cut or Strain-or an old Sperim, Apites
Ringbone or Swelling- joun can cure your horse with

\section*{Kendall's Spavin Cure} Thos. Castles, of Newark, N.J., bought a horse-lemed with a Jack
Spavin-for \(\$ 100\). He carred every sign of lameness with Kendanl's Spavin Ccre-won five races with the horse-then sold the animal to his
former owner for \(\$ 1,000.00\).
 N book-"Treatise On The Horse" book- Trill save you manthe Horse, ", carctully read and acted upon.
Write today for a free con White today for a free copy.
DN. B. I KENDAL Cnossuna Falle, - VEnmokt. U.8.A.
doing no more work without extra care industrial population. Moreover, she or housing will last but froin five to eight stands, at the beginning of the twen
years. Records show that many tieth century, where England stood years. Records show that many tieth century, where England stood a use by good care for more than twice her resources in coal and iron, and
the average life of the machine.
fronting on the Atlantic, was in an We admirable position to reap the in an We will assume that a farmer starts tages due to the opening of the New machinery, and that if sheltered and World. British Columbia discovers well cared for, it will last ten years, herself fronting on the Pacific at the and if not sheltered, only five years, ing from the sleep of centuries to afford
says Professor H. M. Bainer of the says Professor H. M. Bainer of the the greatest market and the most
Colorado Agricultural College. If the colorado Agricultural College. If the wonderful of commercial opportunities
implements stand out in the weathier it ever seen. will cost another \(\$ 1000\) to replace them
ever seen.
at the end of is something in it. The de it.
ars. interest on this amount for five vears opment of british columbia will make
at five per cent. amounts to \(\$ 276.28\), or on told of the nexteresting of the stories at five per cent. amounts to \(\$ 276.28\), or told of the n
the total amount of money paid out for Weekly Sun.
machinery with its interest

\section*{machinery
\(\$ 1,276.28\).}

A good tool shed large enough for DEHORNING CALVES, The compound interest on this amoun for ten years at five per cent equals method ho been as faila as yet. My for ten years at five per cent equals method has been as follows: Clip the
\(\$ 125.00\), or the shed may be considered to hair from the top of the hol have cost \(\$ 325.61\) at the end of the ten calf is from two to five days old ; slightly years. After paying for the shed. it moisten the end of the stick of caustic别 the machinery, and the shed is perhaps about a quarter of a minute or until a
good for ten years more use.
slight impression has been made on the \(\begin{array}{ll}\text { good for ten years more use. } & \text { slight impression has been made on the } \\ \text { center of the horn. }\end{array}\)

FEEDING DAIRY COWS.
Experiments have shown that 60 during the intervals of five minutes per cent. of all the feed a dairy cow can blood appears in the center of the horn,


If a cow is fed to 70 per cent. of her another very slight rubbing with the capacity, only 10 per cent. of the ration potash.
can be used for milk production. Lib- The operation is best performed when
eral feeding is necessary, but its profit- the calf is under five days old, and able extent depends on the individual should not be attemped after the ninth
animal. Successful dairying depends day. Caustic potash can be obtained
fullv as much on the feeder fully as much on the feeder as on the from any druggist in the form of a
cow A proportion of two-fifths con- white stick; when not in use it should
centrates to three-fifths roughage is be kept in a stoppered glass bottle in a widely and successfully used. Of dry place, as it it rapidly deteriorates
course feed stuffs must be chosen the course feed stuffs must be chosen to when exposed to the air. One man
balance well and with an eye to their should hold the calf while an assistant
market value.
uses the caustic. Roll a piece of tinfoil
BRITISH COLUMBIA'S FUTURE. stick of patash, which is held by the
Canadian the operator. not to injure the hand of moister the stick
outclass the thet, or the caustic mave We Canadian the much, or the caustic mave she stread to
will outclass the chan around the horn at
the flesh. For the same reason keep
the calf from getting wet for some days
\(\qquad\) is poisonous, and must therefore be treated are now from two to thiry
nomths old and no signs of a horn have \(5-5\)


You could make good money as a "CAPITAL" agent
Some CAPITAL agents are busy far- buy a CAPITAL; introduce him to those mers. Some are creamery helpers. One people; work with him all the time, and make good money, and they don't have We will teach that man how to to work too hard to make it. They make people why one separator is profitable and clean money because the another less so, and why the
CAPITAL will make more
cream separator it isn't
necessary to lie about. The plain truth sells it.

This spring we are exing a few good men to our agency staff. Possibly we the right kind of a man. You needn't be a dairying up a cent of money. You can do your other work and if that's the way you'd rather have it. It will add
much to your year's earnings, even that way.

Or you can make a busigood business, -substantial, on the square all through.


We want ten good men Suppose YOU write
There are ten districts or so, right now,
The right man can learn all this quick; and he
can learn, too, how we make the CAPITAL buy where a good man can start in and sell can learn, too, how we make the CAPITAL buy ready to buy them just as soon as the tee back of every CAPITAL machine absolutely machine is demonstrated to them. Each protects the customer and gives the agent a feeling
of those districts is for the right man, of solid security that's worth having. It's a fair, and he can have the field to himself. But kind of a man to make money and make friends he must be the RIGHT man, - truthful, for himself. The CAPITAL does that for every
man who sells it, because it makes money for every man who buys it. on to invest a cent, - we will show are not called
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vative. .ompared with the actual facts. Don't stick in that old rut. Help, Nature adong by the intelli.
gent use of this wonderful force, Filectricity, and you can overeom. your bodily weakness, your pains and aches, double your strength
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    Ginger up! Uwe this Belt and
my 34-pare Fhruct Book. It polmo
                            Dr. M. D. McLaughlin

Dr. M. D. McLaughlin
\(\qquad\)
hat he has gor ready tor sale hon ng importation of Clydesdale fillic, ving
of which are ready to go un The sale of purebred
ackne is at Rawlinston' gary, last month, was a most graniving
success. Horses sold from \(\$+0\) ui, success. Horses sold from \(\$ 40\) up to
over \(\$ 1,000\) and the total reccipt of
 distances, but the heaviest buev ".re
from the province Reid and isaxter
of Olds, Alta., took the largest ingle, out having some 40 head at the end of
bueir buving, Jas. Mitchell, formerly of Winnipeg, but now at Vancouver,
took a few to the coast. Wirl Mowdie, other horse frinciers, picked some
good ones from the stud before it was good ones fr
disbanded.

MACLEOD FAIR
\(\qquad\) respects it was not up to its usual stan-
dard of excellence, for like all other the backward season and of the late
severe winter. Live stock made a
rat her small showing. In horses the competition in some classes was keen;
in others the entry was small In Mashurg, Leaving, and Jere Homer, Herefords, and H. Wat son in grade
Swine were shown by Vosburg an
Homer. Sheep were
Agricult ural products, not exhibin, vegetables,
etc, made a creditable display. There
was also a good exhibit of poultry.
Horse racing formed the major attrac-

\author{
a fable.
}


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eeds and Feeding．－H brrry， 600 pagee
Live－Ttock Judging．－Crato
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Flowers and How to Grow Them．－Rsxpord． ..... 55
fruit，flowers and vegetables
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\section*{miscellanimous}


FARMER＇S ADVOCATE OF WINNIPEG Limited，Winnipeg，Man．

FARM CHEESE MAKING． A good method of home cheese－mak－
ing is as follows：Take a quantity of
fresh morne fresh morning＇s milk，say 100 pounds twenty－five minutes；when curd is wel set，cut into pieces with a cheese knife
or similar instrument，the size of peas； or similar instrument，the size of peas；
raise the temperature slowly to 100 raise the temperature slowly to 100
degrees Fahrenheit，requiring about twenty minutes to raise this tempera－
ture．The whey will separate quickly from the curd and will be noticed by the is sufficiently cooked，which may be tested by the following process：roll－ ing between the finger and thumb o biting between the teeth，if it causes a
squeak it will indicate its condition for separating from the whey．This may be done by straining through a cloth of fine wire mesh．After the whey has moulds and put moulds under a con－ tinual pressure for about one hour．By
this time the curd will have taken on a this time the curd will have taken on
cheese shape，when it may be remove
from the moulds，covered with cheese cloth and put back into the moulds and repressed for about ten hours．The pressure required is about 100 pounds for a cheese about eighteen inches in ant．Art．His，however，is not impore en hours and well formed it may be taken out and put into a strong brine． The brine should be a complete satura troni It shoula be kept in the brine it may be taken out and put in a curing om．
To cure cheese properly but two things are necessary，and these are：A low temperature and a moist air．This may be found in a cold，damp cellar or an underground root house．It should nut freeze nor be exposed to a tempera－
ture above 70 degrees．It is a very good plan to coat the cheese with paraffin atter they have been taken out of the brine and dried．This may be done by submerging in paraffin heated to a ssmok－
ing heat．The paraffin will fill all the meshes and close the cheese，protecting it from loss of butter－fat or water，also from mould or insect injury．It will
require from two to four months to cure the cheese，but some prefer to eat it before it becomes cured，and with the gouda it will be found of a palatable
nature a few weeks after making，if not kept in too cold a place． For a checese vata a wash hoiler mav b a curd kniter a peck measure wihn nail holes in the sites and a womed follon
will ansurer（oom muld，

PREPARING FOR VICTORIA EXHIBITION．
The British Columbia Agricultura Association under whose auspices the is exerting every effort to make the annual exhibition this year the grandest
and best that has ever been held in British Columbia．The exhibition opens on September 24th and remains pen until the 28th，giving four clear
days．Applications for space are Applications for space are
lready being received and it is con fidently expected that the buildings will be taxed to their utmost．Seeing the ecessity of securing more a vailable pace the association during the past nd it now has the finest fair年基 In every department there will be a arge increase over last season and when \(t\) is considered that the exhibition last very reason to suppose that this year＇s The will eclipse all past attempts． The committee of management has Canadian Pacific Railway，which has indly granted half fare rates from all points on their lines West of Calgary．

On freight full rates will be collected but on the presentaion of a voucher trom the secretary the goods will be
returned free of charge，making it virtu－ ally halt rates．A feature of the exhibi－ tion will be the district exhibits． Already a pplica tions have been received
trom three districts a nd it is understood that tat least four others will enter．The prize for this display this year has been ra ised \(\$ 300\) ，In a ddition to this the
display of stock is expected to be larger Already information has been received trom points in the Northwest that a large number of cattle and horses will East as Toronto will be on hand addition to this the breeders of the state of Washington a re keenly interested pete，while British Columbia to com－ will not be behind．For attractions the committee has arranged many special features．Four days＇horse racing will be held for which prizes a mounting to \(\$ 5,000\) will be devoted．
＂Do you feel that you have done all you could for your country？＂inquired ＂No，＂answered the no less sincere statesman，＂but it wasn＇t my fault if

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very durable power, suitable for all sorts of work.```

