# FARMERSAdovoate AND HOME JOURNAL 

the only weekly agricultural paper in western ganada

| JUNE 26, 1907 |  |  |
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The Fa
idvocate

## WHEAT

> ONE OF THE MANY UNSOLLCITED TESTIMONals received last year.
> The Manitoba Farmers' $\begin{gathered}\text { North Brand }\end{gathered}$ Mutual Hail Insurance $C$ Dear Sir:-
> $\begin{aligned} & \text { I am in receipt of your favor of the } 30 \text { th } \\ & \text { ult.. inclosing cheque for } \$ 100\end{aligned}$ $\begin{aligned} & \text { ut.. inctosing cheque for } \$ 100.00 \text { in part } \\ & \text { payment of damage to my crop from hail. }\end{aligned}$ $\begin{aligned} & \text { I have to thank your gompany for the } \\ & \text { satisfactory adjustment of the loss and for }\end{aligned}$ the prompt businesslike manner of the settlement. I am more particularly pleas$\begin{aligned} & \text { ed as the matter was adjusted during my } \\ & \text { absence from home. }\end{aligned}$ $\begin{aligned} & \text { absence from home. will have much } \\ & \text { pleasure in recommending my friends to }\end{aligned}$ insure in The Farmers' Mutual Hail Insurance Company. Yours very truly,
(Sgd.) DUNCAN McEWEN

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according to their deas, the elenth of time it ales the sun to traverse the space from general description of the profuce and the obscurity behind the next, is all the sunshine
we are entitled to. I was agreeably surprised stald in advertic
(Signed) H. Hedley.
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## Kootenay Fruit Lands

$\mathbf{W}^{\mathrm{E}}$ are offering for Sale a number of choice ten-acre lots of Fruit Lands at Howser Lare, West Kootenay, B.C. In these lots one acre will be cleared and planted with fruit trees and bushes to order, the selling price including this. Water rights are included and ample timber for building and fuel is readily accessible. First-class cash markets for all produce raised. Railway station two miles, post office and general store one mile. The climate and scenery are magnificent, and there is good boating, hunting and fishing
The following was recently received from the first party of settlers who purchased land for fruit growing from this company at Howser Lake. Eand who took up their residence at the lake the first of May the allotment picked out for him, with the option of changing the lot selected or withdrawing. All retained their lots and in addition

## Howser, B. C., May 15, 1907.

We, the undersigned, residents at Howser Lake, British Columbia, who purchased ten-acre blocks of frult land from Messrs, Oldfield, Kirby and Gardner while at Winnipeg, desire to express our great satisfaction with the soil, climate and scenery

The soil is fully up to the description given us, the quality being further proven by the results already attained by the earlier settlers on the lake, while the scenery is grand and beautiful beyond description.
(Signed) C. P. R. Hutton R. Tangye

Chas. P. S. Henderson
S. Clarke
L. R. Hutton
W. S. Davis

OLDFIELD, KIRBY \& GARDNER
Main Stpoet, Kinnipeg, Man.

# EDITORIAL 

Two Sound Principles in Crop Improvement. When on his recent visit to Canad Mr, Gant. the family of seed breeders of that name elaboration of many of the principles underlying the improvement of plants. Two of these to
which the Gartons adhere and which they have satisfied themselves are sound, are that the desirable characteristics of any variety or wild type can be bred into any other variety or type of the same species; and the other is that without the introduction of fresh blood plants tend to lecting to a type plants can be very much improv ed. The first of these principles they have demon-
strated beyond every shadow of a doubt and strated beyond every shadow of a doubt and
have as witness the fact that they have completely altered the characteristics of certain plants and given them new and improved feaapplication to the improvement of field crops is a valuable contribution to agricultural science, but simple enuncian more far-reaching than lead simple enunciation of the principle would lead oncharts imp acteristics, good and bad, of cach parent butar- reigns. At such times he worries little about his of the very first effects of the cross is to exaggerate the characteristic of the parents. As for instance when the wild type of Chinese oats containing fultivated variety speresulting crossed upon a with grains varying in number from spikelct with grains varying in number from three to
nineteeni. After such a cross as (ten to fifteen) of patient work is then devoted to the fixing of the more desirable characterisis accomplished by blending with the type desired characteristics of other varieties to give
strong straw, greater size of grain or whatever it may be desired to impart. In the cross breeding of plants, the Messrs. Garton believe there are
practically infinite possibilities for the increase in the yields of crops, and cite as an example the trials of the Highland and Agricultura! Society by come of their improved seeds over all others tried. This illustrates the value of deliherate The second principle advanced by the Gartons namely, that grain crops tend to deteriorate
toward the average of wild tvpes, approves of toward the average of wild types, approves of plan that some plant breeders in America do no by selecting the best seed from the regular crop grown upon the farm, the most steady improvement can be made. The latter idea is without
doubt a good one, but it also looks reasonable that by changing seed, and especially when the change is made for seed with inbred improved
characteristics, a greater improvement may be expected than where no new blood is introduced
Experience in stock breeding vindicates this heory, especially in the first cross of similar and oblects the checking of weeds is the most rationa ur best hard wheat and suggests that it fallow substituted by shallow fall and spring or and hardness might be reazined by a judis cruss with some other variety. The prob

WINNIPEG, MANITOBA.
Vol. XLII. No. 770
physician with the "weed acts" and weed inspectors to assist him in guarding against really lies in growing a greater variety of crops which necessitates more diverse methols of cultivation and with the extending markets for barley, oats, hay, flax, seeds, etc., as well as the should be equally as profitable markets, these crops is peculiarly adapted for the srowth of weeds owing to the fact that it is so little cultivated during the growing period and is so long in ripening that the seeds of weeds have an oppor tunity to ripen and fall to the ground. Such conditions must be studied in the war with weeds, as also must be the nature of weeds. In these how some famers are fighting weeds and of how weeds are spreading. One result of them should be to enforce the seriousness of the situation and set each man mere deliberately at work to keep his own farm clean.

Is it Wise to Double the Free Land Offer? There is considerable difference of opinion over Oliver bill, to provide pre-emptions as well as homesteads, which the Minister of the Interior has publicly announced will put through the body. One section of the public asks the question, "Is it ar'ise or necessary to offer greater inducements to come to the |I est, when the rate of immigration is tar more than the transportation or fuel supply companies can momister the would were fowing away romicanada therer inducements, but the facts show the reverse to be the case. Further it is stated that the offer will result in the migration of those on the older farms to the newer lands. This would not he an unmixed benefit, although by some it is pointed out as an advantage. The old proverb, A rolling stone gathers no moss," has its truest application to the farmer. Agriculture makes nom The for the the the the the highest type of mien in that profession and the best work are to be found where farmers and descendants have worked the same land for generations. The wander-lust amongst farmers means the seeding of all parts of the cultivated area weeds. Another effect the bil will nature or preparation, to try farming and waste their lives and sroil much good land thereby The grood feature of the bill is that odd as well as even numbered sections will be offered for homesteading, a change that should have been made years ago. The sparseness of the settlement has accounted for the comparatively slow develop ment, education, cutture, and the West. It also accounts for the overwhelming preponderance of bachelors, a feature bad for any country to show. Taken by and large the bill needs thought by eanadians, and each man needs when so conidering to separate himself from the idea of public interest. Hon. A B Aylecworth has natifiod Deputy Attorney-Fieneral Wool of Allerta that it is the lumbermen's assoriations. If this interpretation of the law 15 sustamed, it should releve the Matitoba Grain Growers' Assnciation

THE FARMER'S ADVOCATE
Founded 1866

## HORSE

Developing Action in Hackneys
I would be thankful for information regarding shoeing and developing action, of a two-year-old Hackney colt intended for stud purposes
The young Hackneys on this The young Hackneys on this place are taught first to walk and kept walking to a halter; no bit put
into the mouth for first month. Then an English
bitting bit is put in use and they are checked up with bitting bit is put in use and they are checked up with
side lines buckled to roller to keep head straight. side lines buckled to roller to keep head straight.
They are now trotted alongside a fence, back and
forth for about forth for about 200 yards, going slow at first, and two or three weeks after beginning to handle the
colts and then only with light shoes. The action colts and then only with light shoes. The action weight on heel to make him fold his knees and on the toe to reach out. It is a good rule to remember to make haste slowly and not hurry too much, giving

## Day to Return Mares,

We have been breeding horses for many years every three weeks, the first one after foaling being manifest about the ninth day. This period with most mares is brief, seldom ever being manifest over
three days and usually only one, the ninth. The subsequent periods are longer, varying with different mares from three to ten days.
Our instructions weeks. I should never allow a horse to in just three at intervals of nine days. If she were in heat at that out since the previous service and had not gone evidence that she had not conceived. If a mare
should be bred toward the close of an oestral period and did not conceive, she would probably be in heat again in eighteen days, but if she had been bred we think it safer to make the return the twenty-first day. We have been reasonably successful in breed-
ing mares on the thirtieth day after foaling.

## The Barren Mare Problem

A problem which has long perplexed horse
breeders, and is apparently no nearer of solution, s the relationship which should exist between, the barren mare and the modern show-yard. It must be admitted that when our best mares the breeder. The chief principle involved in pedigree is the perpetuation of first-class strains, of their worth on paper. ness is accidental, and in what manner designed, mare, for instance, has a very late foal the expediency of permitting her to run barren for a time can be excused, and if it is accidental, and perhaps due to the sire, there can be little cause for complaint; but there can be no doubt that a strong
temptation exists to keep a mare barren for the express purpose of winning at summer shows. It is this last and premeditated form of barrenness against which breed societies should most shooting its object if it encourages barrenness purely and simply with the object of establish-
ing a reputation. The matter has not quite received that attenSociety has attempted to deal with it and ha partially dealt with it. Yet stronger measures are required, and they ought to emanate, first from breed societies, and secondly from Agricultural Societies, which should support, in the interest of those whom they are designed to serve, These emarks are partially prompted by the xtraordinary barren mare class which appeared at the Nottingham Show in the Shire section. It class has not been gathered together at any other
show in the country. How far the condition of those animals is merely the accilent of Nature cannot be determined off-hand; but it cannot
fail to be a subject of remark that such magificent talent should be left unfruitful, It is true that the means of dealing with the barren mat
driven through them. The praise-worthy idea cat hams, if in the same condition. People get into driven through them. The praise-worthy idea cat hams, if in the same condition. People get int mares and fillies, which include-or are supposed fool, years ago, saw a bunch of cayuses and thought to, which is quite another matter-mares which when we have good horses and plenty of them, the eserves to be carried out strictly. The question same old yarn of goose rumps, cows hocks, etc., is which the Society has got to solve, however, is hawn bunch. Nearly all my proud of the color or my whether the mare, by accident of service, is to for a long time "whole" colors-bays, browns, and be considered as qualified for breeding purposes. There have been cases in which the mares and won the glory, yet failed to qualify for the position. But the honor still remains, although
they are deprived of the actual emolument attaching to the position. doubt that the problem ristles with difficulties. It is very hard indeed that a mare which has bred regularly, and may happen to miss a season, in all probability due
to the sire, should be disqualified for barrenness. to the sire, should be disqualified for barrenness. extent by not recognising late services, so that that would be reasonable external evidence ule might operate somewhat drastically, but on the whole, it would operate beneficially, Meanwhile, the Society might very well exclude
from competition for medals animals which from competition for medals animals which A society's first duty is to keep the show-yard the breeder. Most societies are concerned with breeders it is doubtful whether a barren mar should be eligible for championship. The other thought suggested is that barrenness may be because of the hard feeding and proparation to-day, which admittedly has a deleterious effect over service of sires, having the multiplicity foes in view rather than their capacity to leave This question, in the interests of the breeder requires to be very deeply probed. Complaint Meanwhile it all hands when barrenness is rife Meanwhile it certainly falls upon the Shire Horse soclety and other organizations with simila more decided fashion than they have done in the

The Hackney not Suited to Every Type of Mare Mare.

I notice that my friends the Hackney ent husiasts
are in full blast again; in fact, have continued in full are in full blast again; in fact, have continued in full of their activity has been that I myself now know
what are the feelings of an Irish Roman Catholie ho witnesses an Orange parade, and vice versa Gazette of a similar nature to the ones this wineers' dent who asks advice as to how he should breed his the Gazette and the Farmer's Advocate man must be ready to cry, Save mi from my friends. They have both
been advised to use every kind of known and un known stallion. Mr. Ross (the Gazette seeker-after-
knowledge) was recently advised, in an extremely good article, to use a Hackney stallion, the writer ment had been tried, with most splendid results good cow ponies; also looked as if they mould extra hunters. Here the writer remarks, "Woe betide me,
I know, if Mr. Ross (the enquirer) happens to be an
Irishman, for I know it is impossible to talk Hacknevis Irishman, for I know it is impossible to talk Hackneys Here I too think is time to make the point that Ireland never been disputed so far as I know. Irishmen hat the Hackney as a h hunter is no good all ay. dians and Anericums dillt, persist in telling is canat
 in which
 Of course if poople only see these bar.w when th
have ben travellod daround the the , they the

chestnuts; yet one time a man who was looking over them, kept on murmuring to himself, "There isnot a To get the best results from say a bunch of twenty To get the best results from say a bunch of twent y
mares, I should say as many a s three stallions should be used; some would suit one horse, some another.
This I know is hard to do, and the man who is ab. to select the mares suitable to each stallion would be sufficiently good horseman to need no advise from When you, good Hackney madmirer.
enthusiasm, no stallion of any breed will produce a uniform bunch of colts from any bunch of Western "nares, unless they have been selected specially to much. Remember the fable of the boy and the nuts,
who filled his hand so full that he could not get his I acknowledge the Hackney to be the popular show horse, the high actor, par excellence, and like Show horse, the high actor, par excellence, and like
Captain La de Dau, "He is the pet of all the ladies. "Is not that glory enough for any one breed? Don't spoil your whole card by setting up a claim to speed endurance, jumping powers, good looks, easy gait, and prepotency, in fact a combination of good points
[We agree that no horsemen would claim that the Hackney is a getter of hunters or jumpers, but he he other light breeds.-Ed]

Some Pertinent Words on Fitting Horses for Work.

I have read with pleasure the article on fitting
horses, by Mr. Hallman, in your issue of 20th May. horses, by Mr. Hallman, in your issue of 29 th May.
In fitting horses for spring work a man must decide between two things does he intend to work If the horses are for sale, I should say Mr. Hallman's advice is good; in fact, I could add nothing useful; sut if he intends to use the horses himself, I might suggest some small changes. when a large railway outfit were winteringt heir horses. I looked through the horses and had a talk with the man in charge. The horses were looking fairly well was told they got about a gallon of oats or chop and some kind twice a day;also hay when fed in the morning. They were turned out on the prairie to "paw" all day. Just about sundown they were taken in again and fed grain and hay, for the night. It thought
the horses were hardly fat enough and said so; but the man looked quite surprised and said that if they ever noticed a horse putting on flesh they at once cut his feed down, the idea being to have the horses when spring work started, not fat, but just in
fair condition. They would then have their feed increased on getting to work, gradually, until soon they were getting all they could eat. This is just
the reverse of the course generally followed. Most working then in the last month winter, when not as possible. That this is not the good plan is selfharm. A fat hoes no good, and sometimes lots of surely fal more or less at spring work, whereas the
horse who is not fat, but in fair order, will gain on
work if the feed it The next point in importance is to get rid of his hair. About two weeks before you expect to start
work, get the clippers to work. This beats an way arork, get the clippers to work. This beats any way
Dame Nature knows of to get rid of the old winter coat. You may think the horse has his new coat
but you will find a big difference be ween a partially
new coat and a clipled one horse who did ripted gaine. I ne on wer knew a clipping
This spring them to start discing. I clipped :1.m: at once, and Abour scalded shoulders
should be lathed, for some
$\qquad$
$\qquad$
$\qquad$

tatt ortit on on the
over-feeding and keep on working hard, you will ha a nice time getting them back to their feed.
I will now just add that I consider cleaning the horses of quite as much importance as feeding them.
If you do as I have advised and clip them, never use If you do as have advised and clip them, never use
a curry comb: use a dry brush first; then wet and rinse the brush in a pail of water and with the brush just nicely damp. Brush the horse all over. This will take the horse. Of course if the weather is chilly
utes to you will blanket the horses in the stable.
Give your horses all the exercise possible for if it is true that "Satan finds some mischief still" for idle (farm?) hands to do, he is still more active
among idle farm horses.

## Lameness in Horses

Lameness may be defined as an expression
pain in one or more limbs, the act of progression pain in one or more limbs, the act of progression tation of such, as a horse may stand lame.
diagnosis of lameness.

In many cases the seat of lameness is evident marked, it is difficult, and requires care and knowledge to locate it. While we do not think it wise for an amateur to attempt to diagnose and treat a case of more or less obscure lameness,
where professional help is procurable, it may be where professional he.p is procurable, it may be
interesting, and to those who are not within a reasonable distance of a veterinarian, instructive, to deal briefly with the peculiarities of gait shown according to the part affected. The first animal is lame. This may seem an easy matter, but in reality is attended, in many cases, with no little difficulty, especially to those who have not
given lameness especial study. It may be mengiven lameness especial study. It may be men-
tioned that a horse lame in one fore leg or foot will step as lightly as possible with the lame foot, lift it from the ground quickly, and tread heavily
with the sound foot, his head nodding at the same time; that is, his head nods, more or less, according to the severity of the lameness, as the sound foot touches the ground. When lame in a
hind leg, the elevation and depression of the hip hind leg, the elevation and depression of the hip
of the lame leg will be more marked than that of of the lame leg will be more marked than that of
the sound one. In some cases a mistake may be made by expressing an opinion that the lameness is in the hind leg when in reality it is in the fore, and vice versa. This mistake has so often been made that the peculiarity of gait that has led to it has been called "cross lameness. example, a horse lame in the off fore leg is trotted from the observer; he seems to be lame in the
near hind, for the quarter seems to ascend and near hind, for the quarter seems to ascend and it is interesting to note a class specially for greys descend. But when the animal is trotted towards at the International Horse Show in London. the observer, it will be seen that the irregular There was a time when it was a proverb that, day elevation and dropping of the head and body, and without, no one could cross London Bridge that the lameness is really in the fore and not believed-on statistics- that grey horses were the hind limb. An opinion should not be given much more stout and healthy than any other until the horse has been trotted from and towards color. The greys came originally from Cappathe observer. Of course, there are many cases docia and Persia, which stock is still found in the
of lameness where the seat is so apparent that magnificient heavy cavalry of the Russians. The of lameness where the seat is so apparent that
such an examination is quite unnecessary, In
hard, smooth road and have the horse led with
loose rein. first walking and then trotting, both observer. A horse may walk sound and go head held up by the person leading him, and show lameness when allowed to jog with a fred When a horse is lame in both fore feet, some difficulty is often experienced in its detection, a He will not nod in his gait, but will be short in is action; is said to go "groggy." Each foo is carefully put to the ground and quickly lifted up again; the step is short, and there is a rolling xhibit lameness in one In other cases he may in the other as he approaches the goes from, and cases are very confusing, and require considerable power of discrimination. Care must be taken For example, a horse, especially a young one may appear lame in the near fore foot, if led with a short rein and his head pulled to one side, or
when first bitted. This is called "bridle lame ness," and disappears when the animal is lameslack rein. Again, horses which are habitually axercised in a ring or round a circle usually the circle. When an animal is lame in center of limbs, the difficulty of diagnosis is in both hind
went for funerals. Yorkshire is the strong grey section of England; the "Tykes" breed to colo extensively. Grey Orville, rest his glorious
nemory, was foaled in the famous West Riding memory, was foaled in the famous West Riding
of Yorkshire. He won the great St. Leger, sired Emilius, Ebor, Muley, and others. Browns came tail the sign-manual of Woodpecker in the the fourth and fifth generations. In South York shire reign the chestnuts, representing that magnificent horse Comus, side by side with the rich brown of Tinker, by Tramp. Breeding to "original" color was held in Persia, Russia, and later the end of the sixteenth birth of the Pyramids to the end of the sixteenth century, when breeding
to type, speed, etc., came in, and the old "color" scheme faded, changed and developed into the present bay, chestnut and brown, leaving scarcely trace of the primary black and white-if,
$\square$

## Halter-Breaking

Horses are not naturally vicious, and with roper attention in colthood bad habits, with never be formed. The habits can generally be roublesoy intelligent management. A very Once a horse finds he that break the halter, he is nearly soly at it. To cure the habit is not it How easy as to keep the horse from learning given: Horses the by are herein given their have often been cured in the following way Two straps are lightly attached to a rope which passes through a ring fastened in the end of the halter strap. The halter strap passes through a ring in the stall. If a horse endeavors to go backward suddenly, he finds that the harder he legs from under him. A few attempts will cure even the worst halter-puller. Another simple and effective method is worked out by the use of a long rope. One end of the rope is first fastened to the manger. The rope is ther threaded through the lower ring in the halter and dewn under the belly, between the front back een the front legs and then tied to the halter. The halter-breaker will soon find a surprise in store for him when he leans back against the rope, as the pull comes
on his own back instead of on the rope. For many diseases to which horseflesh is heir an acre of grass paddock is better than all the rugs in the Pharmacopoeia. Grass than all the ments without creating others cures ant very often, by stimulating or taxing other organs han those affected, thus weakening these and owering the general vitality. Grass is the great physic the great the natural medicine and free the great tonic, the natural medicine the majority of fond carpet will do more the average veterinary surgeon, and is murh cheaper. Veterinarians have a place, but so has cheaper.
the field.


## STOCK

## Why Canadians Raise Bacon Hogs.

 contribution appears in another place, asks us aquestion that others may have in their minds namely, "Where did the demand for bacon hogs stock-raising districts of Canada along in the tarly nineties have a very vivid recollection
of the advent of this demand. In those days there did not appear to be a proper distribution of food products. The country seemed to have
too much of one thing and not enough of another, and as a consequence some commodities had The Americans were raising fat hogs and corn enough to supply practically the world 's derand
for lard and heavy pork. They had very little hog cholera and corn was plentifiul. Fat hogs just seemed to grow up in a night in the corn
states and overflow to all quarters. Canadian hog raisers were hard hit. The American packers were building up a large trade and of cheap production and high protection, so looked fur markets where the American competition was not so keen. They found them in
England and found them large. But the demand in England was for lean pork, so the Canadian farmers set about producing a lean hog and the farmers could produce and the prices looked fair. Canada by immigrants, when the hume market was of no consequence. Since then there has been a change. The home market has increased
and so has the demand for lard. Practically every type of hog is wanted and the packers ot put any particular premium upon bacon types. equal weight of ham than in bacon we cannot say but one thing is certain-the bacon hog is not
without a ham, and a variety of ham and bacon is more healthful food than either one used exclusively. The question might also be asked advocate the raising of the lard type should Experiments in Canada with Canadian grains their grades make more economical gains than do Durve Jerseys, Chester Whites and Poland Chinas. Why, therefore, not raise the type that makes the best gains? Of course we do not believe in going to either extreme of bacon or lard
types and when a rational average between the two is struck there is not so very much difference between the two types. The main thing is to
get prolificacy, good constitution, easy feeding propensities and quick growth. Our Western farmers have not for the present a very discrimin-
ating market to cater to and should devote most The question Mr. Daviason raises about offering prizes at fairs we leave to fair boards to of two of the pigs. puzzled regarding the planing

Showyard Strategy and Live Stock Generalship
 a good animal. Who is there among breeders who draws out what you consider a good specimen, on that you have looked at manytimes a day and yet can
go back and smoke a good-night pipe over him with interest being taken in the animal you get practical or Jones has just purchased a reaping machine with twelve spokes in the driving wheel. On the othe
hand, who can put a value on the amount of pleasur hand, who can put a value on the amount of pleasure At the Highland Society's show ib having a judge som submit your pet subject to his insppection. It may be
and it often happens that he is mul a man of words
but are these needed to but are these needed to fill your heari with pleasure
Not at all; you watch his eye as it dwells on the good
points and his hand which seems luall to be with $\qquad$

 ever, nan at oul is in hhis
hat in the
hill be shown
 sack the fellow who is showing her. Look at the way trying to get a bite of the short grass; he must have
neglected to feed her. What a fool he is." I knew the owner and the man on the rope, two of the best men in the country, each in his own sphere, and I wh making no mistake, although by the innocent w he looked one could fancy his thoughts were in the
clouds. His heifer won and afterwards congratulat clouds. His heifer won and atterwards congratulatgrass that made the pretty lady so fond of it? understood that the nose on the ground meant a
strong broad level line along the back, whereas in other positions there was a slight tendency to loin weakness, he replied: "Oh, just a little dust of spiced cake which fell through a hole in my jacket pocket
the wife must give it a stitch or two when I get home I need not say that the owner of the heiter did sack his man. No blame can be attached to a herd man who is able to hide a weakness, and it is only evident he is doing so.
Look at the herdman who knows his animal gets his hocks together and perhaps spreads out his hind feet as he walks. See him when ask to lead the nimal straight out from the judges-how his light,
long-lashed whip is used in a matter-of fact sort way, yet in a way to induce a sort of side walk. You will observe then how soon he considers he has gone far enough, and how, walking back showing a
wide deep chest, he crawls to his place at a snail's pace! Or watch how the performance is reversed if remember being much amused at a performance Jamie, a well-known North Country cattleman, had a pretty roan heifer in the ring, strong in most points
except her top line. John Outhwaite, the wellknown Yorkshire breeder, was one of the judges and was doing the major share of the work. I was stood in front of his heifer with a hand on each side of her head, pressing it downwards and backwards, and thereby getting the back fairly straight. The pur-
pose of the pressure was a little too evident and pose of the pressure was a little too evident and old
Mr. Outhwaite stood for some time looking at the man while poor Jamie never lifted his eyes from the animal's back, which he had manipulated to the position he had considered right. The position of Jamie's burly figure was peculiar, to put it mildly,
while the expression of his face, indicating intense anxiety, was most amusing, and wasevidently so to the carcely looked at the heifer, I said: "Did it chaving Jamie ?", "I did him properly," he replied; "he never ver that Jamie was less confident about this when the ribbons were handed out. Mr. Outhwaite, who laugh over the matter afterwards when he repeated after being a year in the employment of a Yorkshire, man, complained he had not been able to make a shilling more than his wages. Wonder being
expressed at this, seeing he was a Yorkshireman, he replied "Ah, my employer is Yorkshire, too!" jence 1 had as a judge at a show in the West Riding
of that country. I acted as judge of cattle, sheep and secured the first prize I said:" The cow must have
shown herself well in the ring." He said: "I made shown herself well in the ring." He said: "I made away from me as he could; the judges said she was
an uneasy beast and I put the blame on the silly
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# Why Should Cattle Be Dipped? 

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\begin{aligned}
& \text { Our correspondent, Thos. S. Davidson, whose } \\
& \text { contribution appears in another place, asks us a }
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& \text { Every stockman is familiar with the ,skin diseas } \\
& \text { " }
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& \text { called "cattle mange" or "cattle itch" (Psoroptic } \\
& \text { mange). It is caused by a small parasite which lives }
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& \text { on the surface of the skin and which is in most respects s. } \\
& \text { identical with the parasite causing "sheep scab" }
\end{aligned}
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\begin{aligned}
& \text { identical with the parasite causing "sheep scab"" in } \\
& \text { shee. }
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& \text { sheep. Its presence irritates the skin and the animal } \\
& \text { begin to rub or scratch the affected parts; this }
\end{aligned}
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& \text { and unthriftiness sets it. The loss of flesh and } \\
& \text { subsequent loss of vitality is partly due to the }
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& \text { subsequent loss of vitality } 1 \mathrm{~s} \text { partly due to the } \\
& \text { incessant annoyance, but principally to the failure of } \\
& \text { the animal to provide it self with feed. For hours and }
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$\qquad$Another parasite of the skin which, in many places,cattle louse. Strange as it may seem, bermer, is thecatte louse. Strange as it may seem, but few
stockmen are aware to what extent their cattle are
affected with lice and what an enomonisaffected with lice and what an enormous loss the
unknowingly suffer on account of this parasite
mortality among the range cattle would be reduced tone-tenth of what it is at present and the enormous lossngly decreased. This statement is based upon actualAlong as the isis difficult foo grass tor green and tull of nutrition,
oo suppose that they are not present on the mistake
and the number of parasites present, are very much,smaller than in winter time. As a rule, however, asufficient number survive the summer to carry the
infection on to the following winter. It is a well-nnown fact that the green grass will improve nearlyIt requires mange orquently two months, after the appearance of the
months is practically lost in recuperation and notveight and condition of the previous falltherefore, be seen that when free from mange cattle will,
vill be in cond to to hoAny herd which at the pre
heir condition will allow. Steer cattle as early, anay be dipped at any time, as long as the weather is,
hen be dipped are dropped. The entire herd shouldweather sets in. If this is repeated fust before coldentirely eradicated from all ranges where it is in beintroduction of infected
then the other. From the crowd around the ring such a good price) for such a question. It isee all the
taken in the decision and as I afterwards understood will move a mountain so it is said, Wut it's perseveranceon the result. The pigs belonged to working men tog that has to be removed when you preach bacon
whispered: "This pig has always lwan in charge of it answer it Who is it that makes the demand for a

cer stouct nol have beem made and lweing comvion
Seternine, ITaid Shat beemgther case on is tim
and


June 26, 1907
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Principles of Shorthorn Breeding
In the breeding of good Shorthorns. some men have aimed at producing a good type for winning
prizes; some look to breeding from a particular line of blood; some pride themselves on having herd descended from some particular animal some think nothing of an animal which is not and some of them to the making of a deal of money, but none of them necessarily to the
ing of right down good, useful beasts.
Suppose a man wants to raise a sire which more or less directly is intended to produce beef body on short legs, a fine bone, a tendency to make the best of all the food he eats, and, beyond everything, a stout, hardy constitution. This with a hardy constitution, is the great point; no straightness of back, roundness of rib, lengt ness," or redness of color, will make up for the want of a good constitution and a capacity to make much beef or mimal combines this constitution with this endency, we may safely say that it is of a good insymmetrical. No man need look tor lasting success unless he breeds from such a sort.
The power of judging of this goodness of sor though, by experience and care, most men may earn to avoid the worst kinds, and close obseration will soon tell everyone which are the good of symmetry need not affect the goodness of the sort, but no man can afford to breed unsymmetthough this prejudice or that whim has led many nran to breca bad to keep up the desirable points in the general outline of an animal. In estimating the relative value of the various points of form, a prudent man will set a high value on such as indicate a sound and vigotous constit-
tion. Hence, the old-fashioned sneer about kitchen beef will not prevent the very highes consideraion for a well-developed fore end and a The great question with most breeders is How are we to use the mass of facts which line breeding? Must every successive sire be of standing by some particular line of blood, to these limits, or are we to give our judgment free As a matter of theory, the latter plan is, no deubt, the most detensions drawbacks. If our judgment was sufficiently well informed, it might no right, but that is not often the case. In the parents, in the third eight, in the fourth sixteen. that in then in the fifth generation the individual much to do with the qualities of its descendant; many breeders are likely to know the . - bred from a cond sire and dam. ha othe iroved a snare, not dect not protuce like, but
as its and we are usinc. Line brect , Buscot Truth taking the leading honors for Graceful, b ing of specially high merit, and
number of
vorked by an unerring genius. Let us take the classere was considerable competition in the pig Messrs. D. R. Daybell, J. Tong Conningsby andexperience of Thomas Bates; he believed in hisis practice? Up to 1823 and 1824 he used hardlyany other than Duchess bulls, and it is said that號he great bulk of his calves were from Red Roseand Princess sires; between 1836 and 1843 h
ell back on the Duke of Northumberland (1940)Duchess bull, it is true, but with a double crosof a Princess sire and a Red Rose great-grandsireFrom 1843 to the time of his death his calvewere principally sired by Oxford bulls, some ofhem to registration. He was too wise a manThe best plan seems to be to take the middlecourse- 1 a general way, stick as much ascessfully carried out the idea at which you aimand, if possible, keep to animals with some bloodonnection. Similarity in blood is of advantage,s it reduces the tendency to sport, as botanist,would say; but do not let a desire to have similacircle. When you have a good sort, do not letany prejudice or whim persuade you to part with. The breeder is the best off who has a herd of$f$ originty good character and enough varietproduce enable him to keep the best of his owessening conctitutional vigor. but before a man
$\qquad$that he has the right sort of stuff to work with.
$\qquad$the practice of most of the successful men of oldand in the few instances in which it has beencarried out in modern times its safety has beenrad not what they wanted within their
The details of cattle management must varyprinciple which ought to be kept in view everywhere: Let your plan be as nearly as possiblenature's plan. Do not give unduly stimulatingood; do not fatten at one time and starve atclimate, and do not coddle your cattle.ong as they keep utilitye proof of the pudding always be in the eating
Some English Shows.
fie nottingham county show.The Nottingham County Show was held lastsets of exhibitors, local, county, and open to all. Itwith the latter classes we deal. To summarize is diffia better lot of Shire horses are seldom met with atany county show, and in some cases the classes wereMr. Farnsworth, Mr. F. E. Muntz, Mr. W. T. EverardA. Henderson and James Forshaw \& Sons wereThe light herse section was also a very attractiveThe of the show. especially those open to theThe cattle classes, especially those open to mest
County onty, were of must satisfactory description.Quite a number of these entries competed successwere owned by Sir A. Henderson, Mr. R. R. RothW. E. Measures were the principal winners for boars,the last named winning champion honors. Thesehonors for females were won by Mr. R. MiddletonMeasures were the other principal winners.
and attractive feature at this show. First honorsfor yealing rams and ewes went to Mr. Henry Duddinghas ever exhihited at this probablyyearling ewes-- hoice and typical pens in each instanceThird and reserve honors went to Messrs. S. E. Deanof good merit. Sir Richardotwes in the Short-woolled classes.
This show was held at Devizes, and was given aexhibited was fully satisfact ory particularly those sec-The most important section was that for the countyDowns sheep These cenme nut fill for Hampshirkeen competition. In the yearling lamb class MrH. C. Stephens went to the fore followed by MrJames Flower and the Marquis of Winchester. InJames Flower won champion honors, reserve cham-pion honors, first for pen of three ram lambs, secondor single ram lambs, and first and second for yearlingdeserved by the merit and character. The Marquisof Winchester, Mr. H. C. Stephens and Sir W. GThe Shorthorn classes were very representativeMonarch was the champion bull His Le s ElvethamWolverton, with Messrs. J. Deane-Willis, W. Nichol
ands S. Dennis, were the owners of the leading
animals
Messrs. Pocock, J. Joicey, Mrs. McIntosh and Lady
Tersey classes.
the
The feature of this annual show, held at Shrewsburyhe Royal, is the competition anything like so keenThis year the Mansell Memorial Challenge Cup, theBlue Riband of the Shropshire contests, went to Mr.Sir Richard Cooper's two-shear typam, first in its classSir Richard Cooper's two-shear ram, first in its class,
was reserve number for this honor. Two yearlings

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\begin{aligned}
& \text { was reserve number for this honor. Two yearlings } \\
& \text { also owned by Sir Richard Cooper, were second and } \\
& \text { fourth in their class. The intervening third place }
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$$ fourth in their class. The intervening third place

was occupied by a fine $n$ asculine sheep owned by was occupied Muntz. Sir Richard Cooper was first and second for pens of three yearling rams, pens of five yearling ewes, an honor and success few others
breeders have ever attained. Mr. Victor Cavendish M. P. was third in each of these classes. In the lamb classes, both for rams and ewes, Sir Richard Cooper was first again. The other leading winners in these classes were Messrs. Minton, E. Nock and the classes was very keen, and quite a number of real good sheep were found therein.
The Shire horse classes were very good, the
younger classes particularly so, Mr. E. Muntz's King Forest adding still another success to his alread long list of honors. Shorthorn cattle were not largely represented but their quality, type and character left but little was first and champion. Mr. Richard Cooper took second and third in the same class for stud bults, and led in the yearling bull class with Shenley Duke The female classes were very even, the Earl of Powys The Hereford classes were very good indeed
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$\qquad$
$\qquad$ The old -hall class was a chay

A Red Poll Gets to the Front． of cows are kisconsin and their yields recorded，as is the eight Guernseys（two grades），eight Holsteins（on grade），three Shorthorns（one grade），four Red Polls one grade），and two Brown Swiss．Of this number
thirt y cows completed a year＇s record on May ibth 1906，the close of the period considered in this report； complete data for the winter period from November
I5th，I905，to May 16th，I906，are at hand for the $15 \mathrm{th}, 1905$ ，to May 16
same number of cows same number of cows． The report says：＂The Red Polled cow Lady thi year again leads in economic dairy production，
being credited with a net profit for the year of being credited with a net profit for the $y$ year of
69.81 and the total production being $11,287.5$ pounds of milk and 449．73 pounds of butter of her production， 525 pouncd at twenty cents per pound for butter，and fifteen cents per hundred pounds for
skim－milk，amounted to $\$ 118.55$ ，and the cost of the skim－milk，amounted to $\$ 118.55$ ，and the cost of the $\$ 48.74$ ．This cow has made a remarkable record
during her life in our herd，as will a ppear from earlier during her life in our herd，as will appear from earlier
accounts of these investigations．During the first accounts of these investigations．During the first
year with us she produced，as a four－year－old， 384 year with us she produced，as a four－year－old， 384
pounds of butter－fat，and her production for the
succeeding years（1902－1906）has been as follows $449,493,4 \mathrm{Ir}$ ，and 450 pounds，an average of 438
pounds of butter－fat for five years，equivalent to pounds of butter－fat for five years，equivalent to 511
pounds of commercial butter．While she has gener－
ally ranked first in production and in net ally ranked first in production and in net profit expensive feeder．During the
fourth in the cost of feed eaten

## FARM

## A＂Bear＂Report from the Argentine．

The Miller（British）announces that it has receive a large amount of authentic evidence upon crop con
ditions in the Argentine and from these deduces the fact that owing to the larger area recently unde cuit ivation，and to the heavier and better quality
the grain，the total exports will more than equal those of a year ago，and that the high quality hitherto shown will be maintained right to the end of the shipping
season．Authentic reports are being used extensively season．Authentic reports are being used extensively
by both sides of the market to affect the current

Option Dealing Under Discussion． The International Agricultural Congress，which
began its sittings a few days ago in Vienne，is the began its sittings a few days ago in Vienne，is the
eighth of a series inaugurated in Paris in 1889，at the time of the Exhibition．The delegates were then unanimous in deciding upon a continuation of these
meetings，so as to get together at regular intervals the most prominent men connected with agriculture of all nations，and the exchange of ideas has been very beneficial．Following upon some words of welcome by the Aust rian Minister for Agricult ure，who opened
the session，M．Meline opened the Congress by giving a short survey of the work done by former sessions， and explained the reasons which induced the selection
an Vienna as their present meeting place．The of Vienna as their present meeting place．The
Congress is divided into various sections each with ats allotted task．The first section will devote itsclf
to the economic questions，amongst which will be debated the solution of the transactions in futures．
This ratter is already largely discussed in the Austrian press，and has lately taken a prominent position，in view of an incident on the Vienna Corn
Exchange in connection therewith．The result of the prohibition of dealing in futures in Austria has had
the result of simply causing speculators，wishing to the result of simply causing speculators，wishing to
continue the business，to do it through the exchange or bourse of a neighboring state．The controversy
for and against this prohibition attracted the notice of the Congress，and even if the debates on the subject points were raised which may eventually lead to some

Farming from a Boy＇s Standpoint
farms in one of the oldest settled districts i Saskatchewan，suggests that the farm boys who
are just through with school use the columns of the FARMER＇s ADVOcATE to discuss what the seems to us to be a good one，for although we an apt to think lightly of t
around free from care，and to what is before him，
his serious moments and his serious moments and his amions are oft boys who grow old before their

Boys require to be in
ges of farm life and with the de
upon their executive ability．Th
ession．That though the remuneration may not able value of cultures to be found on the mark be so lange as in some stock brokerage or com－
mission business or a manufacturing industry，were examined by the Bureau of Plant Industry， still there is plenty，and the work may be made Department of Agriculture；six were found to be good，
dimitely more enjoyable．There is this further indicate that over fifty per cent．of the farmers who y vantage in farming，that although it is pursued een mady clever men and many advances have and a field for the most subtile originality urban professions are inviting for the man who is fond of work and in extreme and soon sap one＇s vitality． himself of it and should endeavor to induce others to do likewise．
His Honor Judge Phippen has granted the appeal its of the Manitoba Government to appear its case against the Grain Exchange

Artificial Cultures not a Success．
The twenty－third annual report of the Wisconsin rom the agronomist on the futility of artificial The results which have been obtained are of these artificial cultures for the productio use nodules upon soy beans and alfalfa has not been successful，as no nodules were to be found upon the soy beans and upon the alfalfa grown from seed
inoculated with artificial cultures．Unfortunately no conclusions can be drawn from the trials made on
red clover and field peas with the Canadian cultures， as the soil of the trial fields proved to be well stocked
with the organisms able to form with the organisms able to form nodules upon these
legumes．It is asserted that the trials made in The results obtained in the trials made durcessful the last three years with artificial cultures are in accord with those obtained by numerous experiment station throughout the country．Maine，Oklahoma，Pennsly－ Tesults．inoculation of alfalfa and soy beans with infected soil has been very successful，nodules bein asserted that in order to have a thorough infection of the plants，large amounts of soil must be applied thus making the process of applying it cumbersome and expensive．This objection is possibly well taken
so far as alfalfa and similar crops are concerned which are not sown in drills．In the case of soy beans and like crops，a small amount of well infected soil，when sown in direct contact with the seed，is able to thoroughly infect the plants the first year
On the experimental plot seed was sown at the rate On the experimental plot seed was sown at the rate
of one－half bushel per acre and an equal amount o
soil sown directly in the drill row．The abundance o nodules on all plants shows the efficiency of of
$\qquad$ inoculation with soil requires no more work than the use of artificial cultures，and the usual objections，viz．
introduction of plant diseases and weeds，which are urged against the use of soil，do not seem to the infecting purposes，care should be taken to use only year an abundance of noduluces on a crop of the legume in question．The organisms seem to disappear from intervals． The conclusions which were given in the Twenty－ econd Annual Report were based upon the use of
dried cultures．This year＇s trials with liquid culture however，show practically the same results，and until industry．Few mank have epoch in the Shorthon artiflcial cultures can be made more certain and and few herdsthe of Shorthorns in Western Canada俍 true when the expense connected with their use is so efforts in the past and appreciation of Mr．Greenway＇s
considerable as at the present，and when the question him extending

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three fair，two poor，and eight worthless．This would
indicate that over fifty per cent．of the farmers who indicate that over fifty per cent．Of the farmers who
have used commercial cultures have had their trouble

# Wheat Harvest Calendar 

January－Australia，New Zealand，Chile，Argen
February and March．－Upper Egypt，India
April．－Lower Egypt，India，Syria，Cyprus，Persia Asia Minor，Mexico，Cuba．
May．－Texas，Algeria，Central Asia，China，Japan

June．－California，Oregon，Mississippi，Alabama Georgia，North Carolina，South Carolina，Tennessee ado，Missouri，Turkey，Greece，Italy，Spain，Portugal
July．－New England，New York，Pennsylvania Ohio，Indiana，Michigan，Illinois，Iowa，Wisconsin， Routhern Minnesota，Nebraska，uper Canada， Russia，Germany，Switzerland，South of Engtand of August．－Central and Northern Minnesota，Dako ，Manitoba，，Lower Canada，Columbia，Belgium， Rolland，Great Britain，Denmark，Poland，Central September and Octob
way，North of Russia．
November．－Peru，South Africa．
Dr．Hopkins Goes with the Government On June ${ }^{\text {r }} 5^{\text {th }}$ Arthur G．Hopkins，B．Agr．，D．V．M．，
severed his connection with the FARMER＇s Advocate AND Home Journal．For two and a half years Dr Hopkins has been editor－in－chief of this paper， during which time it has widely extended its circula－
tion，increased its advertising patronage and become established in its present modern home．As a journalist and agriculturał authority Dr．Hopkins has alwavs been characterized by personal work has always been characterized by personal vigor adversely criticizing his best friends．His opinions， however，have been universally respected for their MER＇S ADVOCATE has benefited by them and throug Dr．Hopkins＇association with it． For the present Dr．Hopkins will be associated missioner，in certain new work the Department is undertaking in the interests of Canadian stock
raisers．His headquarters will be in Ottawa but his work will take him to all parts of Canada and occasionally to foreign countries．The best wishes of we are sure，those of its many with him as do also，

## Prairie Home Sale．

The 5th annual sale，which was also a dispersiot sale，of purebred stock at＂Prairie Home，＂was hel as per advertisement on June rith，at Crystal City Prices were good for Clydesdales and a ratcended average was made for Shorthorns．A Clydesdale Shorthorns fars old brought $\$ 555$ ．Twenty－five $\$ 105$ ．This is announced to be the last of pulls Shome auction sales，but there still remain a few Shorthorns and Ayrshires to be disposed of．The active breeders marks an epoch in the Shorthor




More on the Weed Nuisance

Editor Farmer's Advocate:
In going through different districts I have ofter asked the farmers what was their worst ofted
It was generally mustard they were afraid of, and I have seen land so yellow with this pest that I should
not care to have it to work. My own district not care to have it to work. My own distric
used to be bad with blue burr, and it certainly was
nasty thing to have around, but of late years it not seem to have thriven so well and is not much seen One thing we noticed three years ago: A hairy
caterpillar attacked the burr weed. These caterpillars caterpillar attacked the burr weed. These caterpillars
came here in swarms just when the weed was in and stripped it to a bare stock, and that was the last year we saw so much of it.
I think I am safe to say the wild oat is giving more trouble now than anything else, and as long as some o our farmers farm as they are doing, the oat will have
a good chance to live. I have seen any amount seed put in the ground full of wild oats, but I think most of the farmers are trying their best to put them
out of existence. Bad weeds seem to travel fast. The water running worst way of spreading them. I had myself both broken. The usual way here is to dist year it was got well started; then sow to barley and cut as earl as possible, and this seems to rid them out pretty
well. I have given them a bad check by an early summer-fallow and keeping the cultivator moving then deep later on, but I do not care for two plowings if it can be avoided. One hears a lot about wild oats lying for years in
the land. I do not think this is so, and I hava the land. I do not think this is so, and I have seen (timothy and Western rye). There was a lot of oats in the first crop of hay, some in second, and none in about seven inches deep and well worked. It yielded 24 bushels of
But this not the only thing. What is the use of
trying to kill them out of the land when the horses doing the work are fed on oats of which a large per-
centage are wild? The feed must be crushed and well crushed too. I like a plate crusher, as every
thing that goes in has got to be crushed. With the rollers there always seem to be some let through in the spring. I have seen foul seeds of all kinds lying
inches deep on land which the owners were doing their best to keep clean and it must make one feel as if their efforts were in vain. Threshing machines also ing them to clean out their machines, but I have have to be checked and one sees fences going up every where. This I believe to be one of the best things
farmer can do. Man. Richd. J. Hamilton
Wallace Mun., M. Editor Farmer's Advocate: There are a great many varieties of weeds in this
district, but they are well under control and have not caused much damage to the crops except the wild farm in this part and is to-day the worst weed we have to deal with once it gets into the land and not attended
to it will crowd out all other grains and will even crowd itself, so as to be dwarfed in growth. The
seed of wild oats matures before the wheat or oats seed of wild oats matures before the wheat or oats
ripen and shells out. This leaves the land seeded ground and not germinate until buried. But bad as this weed is, I believe it is the easiest to exterminate or I should say to keep under control. In the first place all seed should be perfectly clean of oats feeding horses should be clean or else chopped, as many horses do not grind their feed well enough to destroy the wild oats. Thirdly, the land intended for summerfallow should first be plowed shallow two to three inches deep or randled sufficiently to cover the wild
oats; then left until the seed germinates and shows through the ground. Next it should be plowed from six to seven inches deep; then cultivated by
randling, harrowing, or shallow plowing so as to keep the land clean. Following this system of cultivation every two or three years there will be no trouble
with wild oats. There is one other weed I would
like to mention. It is the Canadian thistle. This weed is hard to get rid off when it spreads over the land, but is not so hard if taken when in small patches.
I have destroyed several of them on my own farm I have destroyed several of them on my own tigrm
by digging the roots out with a spade and scattering
them to the sun to wither and die. Be sure to go to hem to the sun to wither and die. Be sure to go to
the bottom of the roots-they are not very deep. When the patch is small, it pays to destrov them
then and will not cost much. If not dealt with then
$\qquad$
spreader on account of its adhesivenctis. The
Canada thist where, but is not considered among the worst weed grows, but must roll over to see all its neighbors it has got a strong foothold. It is not one of the worst to injure the crop, though stinkweed is not very
plentiful in this locality and think it is the one which plentiful in this locality and think it is the one which can easily be pulled and got rid of by watching it once in a while during the growing season to see that
no plants are left to go to seed no plants are left to go to seed. There are several cockle, ball mustard and shepherd purse, but nowe of these have become general. I consider our worst weeds are stinkweed, Canada thistle, blue burr and
wild oats. They are all bad to spread by stook teams and threshers going from one farm to another without cleaning racks or separators, which they
should be made do. All weedy straw-piles should be burnt without delay. and locate the weedy farms, but we see very little of
them. I expect they always get their salary though A large average is fallowed here every year and this is the most general way of keeping down the weeds.
Burning off the stubble is a good cleanser of weeds as well as insects. Harrowing the growing crop is
not general heres. so far, but some have experimented
a little in that line. The average harrow appears to be
Seeding for our loose soil. common and gives good results these years when hay is in demand at paying prices. Timothy is taking
the lead in grasses the lead in grasses. Some patches of clover are being good farmers who whill take interest in keeping their and clean and making it produce satisfactory crops.

Portage Show Breaks into the King Row. The Central Manitoba Fair at Portage la Prairie is Isfand Park pround is July stock. The show at the
Ith, Ioth, I Ith, just the

## Mammoth Clover Seed

Mammoth clover usually fills well, the exceptions being where it is on rich bottom land or on very rich reason there is a scarcity of bumblebees or Italians

The first thing to do, therefore, if it is proposed to cut it for seed, is to ascertain whether it is well filled or not. Remember that mammoth clover is about been in bloom a week or two go into the field, take a handful of heads as the y come from diffe rent sections,
sit down in the shade, take a sharp pen-knife, cut half of each side the seeds in two. Then by pinching them with the left hand you can count the seeds on the part that has been cut. If you have from thirty to forty seeds to the
head and a good stand, you had better use it as a seed crop.
Don't undertake to cut it till the "heads are nicely raking reaper, do so. If not, take a binder, detach the binding arrangement so as to throw the clover off in gravels. Some take a mower, fasten a twelveinch board behind the cutter bar, and have a man
following who rakes it up into gave ls, letting it lie in
the gravels, until it is thoroughly dry. In exceedingly
not weather this might occur in a week, and may not will be no waste to it unless it lies on the wet ground ong enough to allow the clover to on the up under it, barley fork. direct from the field. thresh, get a huller and thresh fairly good crop. We have had as high as five but this is extraordinary. You are quite as likely to get mammoth clover crop paid us well when we got from wenty to twenty-two dollars per acre for the seed. Mammoth clover unless grown on very thin land and mixed with timothy does not make good hay.
It is too coarse. Where it is not needed for hay and the intention is to grow corn next year, plow any time you like in September or October or November, but cover it sufficiently, and allow it to rot. If you plow that great mass of stuff under in the spring, and dry There is no danger, however, if plowed in the fall, as


English Pastures : Fodder for Cows.
Editor Farmer's Advocate:
I enclose a cutting from the Chester Chronicle (Eng.) dated June Ist, o\%, giving particulars of a of Essex farmers to the county of Chester. I hought some parts of this might interest sume your readers who have a fancy for dairying,

What impressed them more than anything e!se was the examination of an eleven-acre field of pasture land. which Mr. Young explained was a a phenomenal field owing to its remarkable eows, seven two-year-old heifers four horses, and a flock of sheep, occasionally. and then the mowing machine had to be run over it to keep the grass down.'
Wture with th country are simply not in it for neighbor the English farmers. Only yesterday would have to saying to she was afraid she er cows, as the section, 640 acres, she had had he use of, would be no good, as 67 additional ead would have the run of this section this year, but altogether I do not suppose the whole 40 acres is carrying more than 150 head. rorn for just finished seening 5 acres of fodder for summer My opinion is that manure and lots of it is absolutely necessary for grass. The great trouble in dairying is the high price of umber, heavy prohibition and it is useless trying to keep dairy cattle without suitable shelter Fancy $\$ 20.50$ per M for shiplap and so thin that ou could snap it across your knee. I would me substituo make a specialty of concrete or ings in your journal. It is my ambition to put up a concrete barn so the lumber dealers can Gilbert Plains Mun. Man


THE FARMER'S ADVOCATE

## Making Dairy Farmers

The "dairy special" which is touring differen something intoba this week should accomplis the profits to be made from dairy cows and this is one of the things that the industry needs most There is good money in dairy farming in almos all parts of the West, even taking into consider plentifully and the market is broad as well a high. One of the great drawbacks to dairying is that it is not pursued in a businesslike way dairy work. Dairy farmers have not been numerous among the immigrants who not been to the West, but what expanse dairying has mad in recent years has been due almost wholly to the efforts of dairy farmers from foreign coun tries. These people understand their business and are making well out of it, so well in fact that help to the by exerting itself to secure immigrants way particularly from the dairy districts of Minnesota Wisconsin and Eastern Canada
In the work that the provincial department of agriculture are doing the public should take serious interest. They are not trying to fois showing what advantages there are in dair farming and

## POULTRY

Lice in a Hen House
Will younh kindsuly and hens are ine infested with hen lice Whil you kindy give a name or recipe of any mixture
that would rid us of the horrible pests? Thanking
voui in There are two clases of external J. W. P.
 Varie ties attacking poultry, acoording to one ane nother
ity, Dr. Woods. With two excepitions, each has a
 pre erence to other parts but alt hese
nore or less alike
to
 biting and che wing feat hers and the scalles of the sko They ane anource of much suand itrition scales of the skin running about and scratching the stin wionstart theit
sharp claws. If prosent in considerable thum hen sharp claws. If present in considerable numbers.
they may so worry and irritate the bird as to cause sickness. It it considered probable, also, that they carry infectious matter from sick fowls to well ones.
The favorite sent
隹 The tavorite seat of attack of the most common
variety of liee is the down feathers
 ness as to result in indifife er rent may or cimproperer inter so sourse the consequence being infertile efgs. In young
chicks they cause dumpishness, drooping wings, endife ence to tousd and. andifisheress, drooping wings. or kill the chicks. It is stated on pretty fair aui horit that every adult fowl is more or less lousy, and it is
 fully feathers about the head, look under the care large Wing feathers next the shaft, then turm the fowl
(uickly and examine the feathers and skin bernat the vent. If quick enough, you will probably fin

 the dus onl. Fowls will wallow and dust themsteves more often and to beter ad anatage if they are
provided with a wallow of soft, easily friable, slighty provided with a wallow of soft, easily friable slightly
damp earth. This should be provided for them out
 and in one corner of the house in winter. When
fowls are exercising freely and seem to frequent th towls are exercising freely and seem to frequent th
dust baths, or wallow and enjoy themselves therein
 trequene intervals, the
> good lice powder that contai
> dice powdor that contair
of tobacco dust is an eftec

good ounces of any good light liquid lice-killer, mix it free ly. There ane a number of insects which thoroughly, and then add tobacco dust bulk for bulk. affect poultry, not so common as the foregoing, but In using dusting powders, they must be thoroughly the remedic
worked into the feathers, down to the skin, if they are all of them.
to be efficacious, and it will be ne cessary to dust More "Don'ts" for the Poultry Raiser in orde at weekly intervals sor sive crons of lice. Don't forget to take notice which pullet is rovin Liquid lice-killer may be used on the roosts an de floor of which has been painted with the liquid, Don't forget tonotice which pullet stays out late at and a box lightly covered with burlap to confine the nights, for genord end bird and partially pre vent the escape of the fumfes on Don't forget to get your fowl house ready ahead ir for the fowl to breathe. As the nits or eggs of lice time as mature in from one to two weeks, one treatment with Don' forget when looking it over to provide lots the lice killer will not be sufficient to get rid of them, of light; it will help turn the scale on the profit side since the young lice will be newly hatched every Iew young chicks wander into the wheat field that they are eating their heads off. The chances are they will Another authority recommends the use of mer- be eating a good many dollars into your pocket. curial (blue) ointment, a portion about the size of a Don't forget that a mature pullet when snow
隹 ander the rump the wings and the fluff Yet another give her a chance. treatment is the use of insect powder. In the evening Don't forget when buying that Shorthorn heifer the fowl is quietly taken from the roost and held by or brown Clyde filly that your wife might appreciate powder are thrown under the wings and rump, on the them good. back and head, and the bird quietly replaced upon bon't think for a minute triat thered fowl. Try raising a prize winner for
he winter fair, and see.
Don't be above going to your neighbor who make MITES.
varieties of tiny blood-sucking
his hens pay a good profit and get a few pointers
Re There are several varieties of tiny blood-suck ing They are white or in crevish in in collor, except when filled (the hens)
with blood, when they yary from red to black. The
will attack sitting hens, frequently worry hens so
much as to drive them from their nests, and kill young
chicks. When mites are discovered, vigorous means
should be adopted to get rid of them.
Horticulture and Forestry
Treatment.-The fowl should be treated with a
liquid lioe killer and removed bo other quarters
The poultry-house should be subjected to a thorough The poultry-house should be subjected to a thorougg
cleaning and the free use of some good disinfectan cleaning and the free use of some good disinfectant
or lice-killing fluid. In some cases it will be found
 bursing sulphur. Liquid lice killers should be be
freely used on the dropping boards and roosting poles.
Eve is Even if you are posiive there are no mites in you
poultry house, it is a wise plan to
poulltry house, it is a wise plan to inspect the roosts
and dropping boards carefully at regular intervals to
make sure that they have not invaded the premises
as the y are frequently brought into the poultry-house
by tild -birds, like sparrows, or may be brought in in
litter material or bv rats or mice. There are seve tal

leg mite, which produces the unsightly disease known as scaly leg. To get rid of these pests keep the
poultry-houses clean and wholesome, and use lithe lice-killers frequently about the roosts and dropping

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To cure scaly leg, one of the best means is to make
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To cure scaly leg, one of the best means is to make
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a saturated solution of naphthalene meakes is to make
(coal oil), and dip tha phat hatene flakes in kerosene weather for the setting of fruit more favorable
several times, at intervals of two or three days, until no frost since the plants came into bloom and
the crusts are all easily moved. Three or four dip-bushes, canes, vines and trees have flowered in
pings will usually cure a severe case. Another good the fullest profusion. The Buchanan orchard
easpoonful of coal oil with a cupful of lard, applying near Headingly, are the "Hermitage, both out

Storing Potatoes
A correspondent in Manitoba asks for sug gestions on how to arrange to store some 10,00 bushels of potatoes over winter so as to put them
on the market in the spring This is a matter with which we have had very little experience and would like to hear from those who have stored potatoes how they manage a man who stored a large crop in the bank of a ravine and covered this pit over with a straw stack, but the place proved too warm and the potatoes did not keep well. To build a cellar large enough to hold that amount would be quite experience with storing in pits we would be glad

Fruit Prospects in the Red River Valley
It would be hard
weather for the setting of fruit bloom than we bushes, canes, vines and came into bloom and and the orchard at the "Hermitage"" orchard, easpoonful of coal oil with a cupful of lard, applying near Headingly, are the resorts we visit to observe


In spite of the $\$ 500$ head tax sixty-six Chinamen
entered Canada by way of Vancouver last
Prince Fushimi of Japan while at Gleichen, Alta. presented the chief of the Blackeet Indians who
surrounded his car wilh a gift of one hundred dow Floods on the Saskatchewan River swept away thousands of logs belonging to Edmonton lumber
companies.

The experiment of raising oysters in the
surrounding Vancouver Island is being trie
surrounding Vancouver Island is being tried. The
oyster eggs were brought from the coast of Connecti-


Arthur St. GrbsoN,
Ruddington. Notingha n, England.
Who is to Judge Clydesdales. Shires. and Shorthorns at
Two coaches and a dining-car were blown from the track near Francis, Sask,., in a terrific windstorm
on the 16 th. Eleven people were injured, but none fatally.
Bush fires in New Ontario are doing an immense amount of damage. Trains have been delayed by
the burning of bridges, and construction camps the burning, of have been wiped out
$\begin{aligned} & \text { Sir Robert Bond, Premier of Newfoundland, who } \\ & \text { has been in England at the Imperial Conference, has }\end{aligned}$
$\begin{aligned} & \text { has been in England at the Imperial Conterence, has } \\ & \text { returned to to tisland. He tas tried during and }\end{aligned}$
$\begin{aligned} & \text { since the Conference to have the } \\ & \text { fisheries dispute submitted to arbitration, and sug- }\end{aligned}$ sests the Hague Tribunal

The United States has asked the consent of Great
Britain to put another warship on the Great Lakes Britain to put another warship on the Great Lake
for training purposes. Premier Botha of the Transvaal announced in
Parliament that the Government intended to send Parliament that the Government intended to send
home all Chinese miners as soon as their contracts expired and to secure Kaffirs in their places, Mine-
Noners fear that the Kaffis' lack of energy will make nem poor substitutes.


The new geographies have altered all that on has been estimated by a reliable authority at sonally
the maps, but no alterations have been made in $\$ 150,000$; people. the minds of the majority of Canadians. New And Whereas, The Legislature of Old Ontario Ontario, as that slighted district is now called, has uniformly followed the system of collecting
has earned the right to appear life size on any revenue out of the resources of the districts, and has earned the right to appear life size on any map representing the divisions of Canada. Her settlers-sturdy, energetic, persevering pioneer forest lake and mine have won it; and now she is preparing to take her rightful place.
The present population of New Ontario is estimated to be something over 150,000 . These men and women have discovered the capabilities of the country. Parts of it are rich in minerals, cobalt, silver. copper and even gold. There
are miles of forest and every stream is full of are miles of forest and every stream is full of The soil in many sections is a particularly mills. ductive black clay loam. and other areas are adapted to pasturing and stockraising.
But people are leaving New Ontario. Family
fter family has gone west. In spite of the natural advantages there is not the prosperity there should be, because of the lack of facilities for transportation. In plain English, there are no roads, and the Ontario Government does not and settlements are almost entirely cut off from one another, mere trails leading from off from town and these in bad weather are impassable.
The failure of the provincial Government to provide sufficient facilities for commerce in New Ontario has caused much discontent and the that the only remedy for their ills is secession ir.ss have been held at a new province. Meetir.ys have been held at Emo and Rainy River in took part and agreed to continue the citizens fook part and agreed to continue the agitation at the meeting in Emo are as follows
Whereas, New Ontario, comprising the follow ing districts: Nipissing, Algoma, Manitoulin, Thunder Bay, Rainy River, and that part of Ontario lying north and west of the French River, if that part of Keewatin east of the boundary of Manitoba be included, is sufficient in area to form a new Province, as it has an area of 632,815
square miles, one-sixth the area of Canada larger than the combined area of Alberta and Saskatchewan. and twelve times the combined area of Nova Scotia, New Brunswick and Prince Edward Island;
And Whereas, The population, estimated at
I58,940, is sufficient, for when Manitoba was created its population was only 25.228 , and British Columbia was only 36,247 , and Alberta 79,199, and Saskatchewan $89,74 \mathrm{I}$;
And Whereas, New Ontario would be rich enongh to be self-supporting and leave large margin for the development of the Province, as its revenue from timber, mineral and agri-
cultural lands is at least $\$ \mathrm{r}$, 250 . cultural lands is at least $\$ \mathrm{I}, 250,000$, and the
Dominion subsidy would be $\$ \mathrm{I}, 000,000$ making Dominion subsidy would be $\$ \mathrm{I}, 000,000$, making
a total of $\$ 2,250,000$. The cost evenue out of the resources of the distric
And Whereas, The Legislature of Old Ontario And Whereas, The Legislature of Old Ontario of the districts, as the mining, timber, and all legislation relating to the districts is so uniformly bad, that confidence can never be restored until the citizens of New Ontario can legislate for hemselves;
And Whereas, The formation of the new Pro ince would be a strong bond between Eastern nod Western Canada, that there is no doubt that and Old Ontario and Manitoba will be ready and anxious to facilitate in every way the forma
Therefore, It is resolved that a committee be appointed to communicate with the various cities towns and municipalities throughout the districts of Ontario lying north and west of the French River and endeavor to ascertain their opinior Ontario and of forming a new Province, and in the event of their being in favor of the same, to endeavor to have meetings called at a convenient city in each district, with the object of appointing a board or committee to arrange to have a plebiscite taken of the above-named districts, to
ascertain the feelings of the people in the matter

## Making a Farmer of the Boy

has hat the agricultural college in our western country must not work aficad or no one will deny. It from it should emanate the spirit of enthusiasm which
will tend to inspire the rural youth with a desire fo study, investigation rural youth with a desire for cent. of our country children will ever go to the agricultural college-that is under present conditions by other methods. In this work the United States is taking a foremost part. They have what is termed Agricultural Extension work, which broadly defined means bringing the college to the farm and work of the boys and girls an the farm homes of America. In referring to this work F. H. Rankin who has charge of juvenile institute work in Illinois Agricultural "The work of this department has in view the bringing of the educational forces of the college in touch with the largest number of young persons
possible living on Illinois farms, and inducing as many possible living on Illinois farms, and inducing as many ages of higher education in agricultural and other lines. In the broad sense of the term, this work is a o-between for the department work of the colleges of agriculture and the young people of the state, in themselves of the training which the state courses afford. We feel that this is rendered necessary from the fact that the young people of the farm have no ery great encouragement toward higher education.
We have adopted the following leading features. First.-Perscnal correspondence.

Third.- Young people 's experimental clubs.
Fourth.-Excursion parties to visit the university
We have a growing list of the names of several We have a growing list of the names of severa received largely through the co-operation of friend of the college. This furnishes a good working lis upon which to base our efforts as indicated First, by personal correspondence, because it is an event in a boy's or girl s life to get a personal lette
from someone who desires to help them become better and more useful citizens. We each recall how a few words of encouragement and sympathy helped us in early days, and we endeavor to put interest and
into our letters. Second, we enlist the int co-operation of some of the leading men in a count $y$ preferably the superintendents of schools, an encourage him to organize these young people int so-called "young people's experimental clubs. number of clubs have been organized in this way
ranging in membership from thirty to three hundred We supply these experimental club workers with helpful literature. This year much interest wa taken in the cultivation of Indian corn. Many
institutes have offered prizes for the best corn raised by young people under eighteen years of age. Co perating with the work of the institutes, we sent thes young people leaflets containing information as to the which they reported to us. In addition some simple experiments were outlined, such as the effect of root pruning, counting the number of barren stalks, time


Early in the summer we sent out a suggestive forn make a simple chart and information as to how to tained a number of suggestive methods of observation work to be taken up during vacation. Its aim was to make the boys and girls observe the every-day things; to find untold pleasure in undiscovered
beauties of nature, as well as to give closer attention o farming problems. When we sent out a circula asking for data as regards farm machinery whic rad been left exposed to the rain and sun, severa foot-note: "When your blank came we had a plow o a hay-rake out in the field, but it is now sheltered." These boys had evidently been awe to new fact the ge are just now sending out a leaflet intended fo Wirls as well as the boys, making a special study
of what pure air and proper ventilation mean to the home and dwelling-rooms. Our idea is to make it a personal matter in this work with the boys and girls and to get into closer touch with as many as we can we are trying to use rifle instead of shot-gun methods and get dircetly after the boys and girls, and follow hem up both with literature and personal letters. ach young persom ; his post office and county' what ever he is specially interested in; number of brother and sisters he has; their age; occupation of parents ize of farm they live upon; record of literat ure sent We and
going to meting institutes in the state and ve will, a couple of weeksbefore the in Adams county o all the young people in that county ing, send mes w have on our list, telling them that a representative of the college will be present at the meeting; then draw their attention in a personal manner to that specia

cards they are especially interested. Then upon going
to the meeting with these cards in our pocket we study out and know the names and something i
detail of the particular young people we are detail of the particular young people we are going to
meet. Such is in brief, an outline of the nature o meet. Such is in brief, an outline of the nature o college extension. First.-An interest in agricult ure is awakened
early in life, as most of these people are but twelve fourteen vears of age Second.-An increased number of students in the
college of agriculture, seventy-five more college of agriculture, seventy-five more havin
registered this year than did a year ago. registered this year than did a year ago.
Third.-Better preparation for these students.
Fourth.-A more general appreciation amon young peopl: on the farm of the advantages of higher
education i. all li,les, resulting in an increased attendeducation i. all hide
ance in all courses.
Fifth.-A wider and more intelligent conception Fifth-A wider and more intelligent conception
of what the college of agriculture is doing and of its needs.
Much of this work is of such a nature that its results cannot Ias already given fruit along the lines
figures. It hatione and the belief is cherished that
above mentioned, what has been accomplished is but a fraction of what is bound to We believe there is certainly a field for this kind of work, and the good results of this direct personal effort are bound to be felt in quickening the
aspirations of boys and girls. We are endeavoring aspirations of boys and girls. We are endeavoring to
carry the thought of culture and higher education into the farm homes and to give these young people anto the farm homes
a glinapse of all the great things that agricultural
prosperity means, and cause them to seek out and prosperity means, and cause them to seek out and
inquire more earnestly for those things which wil agricultural prosperity. We endeavor to bring no agricultural prosperity. We endeavor to bring no
spirit of bigotry or partizanship into this work. We
believe that every young person should follow the believe that every young person should follow the
lead of his inclinations and adaptability. Every farm boy is no more fitted to become a farm boy
than every boy who is born near a corner drug store is fitted to become a druggist; but we believe in encouraging young men who expect to farm to be good farmers and to fit themselves for their business,
just as you would encourage their brothers who take up professional life. Thus shall be developed a class potential in public affairs.
This may seem, and is doubtless, a tremendous
effort to reach the people of the state of Illinois. But effort to reach the people of the state of lilinois. But
results court in the end. Personal letters, direct touch, inspire confidence, beget enthusiasm and do
work for the nation and the country. Results work for the nation and the country. Results
cannot always be traced-discouraging features work and effort will be woven in the warp and woof Colle ge is beginning work of a similar nature must be broad and thorough. It will require mone of our men must come the development of agriculture for only in that way can we hope to become nation The Culture of Agriculture. The following sentiments by a correspondent of
Hoard's Dairym:in, harmonize so well with the preaching of advanced educationists in Canada that , Agriculture should be taught in the schools, no is a cultural subject as well. When properly classified, the foundation factors in agriculture are a and erammar There is just as much knowledge just as much thought, just as much inspiration, from a study of soils, of plants and of animals as there is in a study of foreign rivers, countrion distasteful to so many boys and girls is the fact that it is altogether have no objection to my boy and girl knowing something of King Charles and King Henry, but and "King Cotton" as well. am willing they shout m also determined that they should know something of the laws that underlie plant and animal growth
Personally, I believe that clover and alfalfa roots are just as divine as Greek and Latin roots, and that the icked men of destroyed nations." Sound sense, and right to the point. On top of that
read these abridged lines from the concluding para "Agriculture in the school will fit the hoys and lignity of their own environment, but it will put inte heir hands the trained tools for unqualified succes And then with the same idea of broadening,
 ve the lawn and often the gartom. They are inter- Strassburg led in grass, for tey are fed; they are interested in the animals on th

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## \section*{A Crop Estimate} <br> Frank Fowler, secretary of the Grain Dealers

 Department giving a statement of the acreage undecrop in Manitoba, Saskatchewan and Alberta for the
$\qquad$
This gives the same area in wheat, about twelve



market $5,300,000$, for country mills (1),000,000, and
for seed $9,000,000$, making a grand total of $92,352,000$
bushels. There are oats in farmers hands to market
amounting to 600,000 bushels; barley to market
The reports show the condition of the growing crop
Things to Remember.Ehorthorn Sale, A. \& G. Mutch, Regina
Calgary Exing Match.............................. ${ }^{2}$
Portage la Prairie Exhibition. . July 9 , Io, and II
Winnipeg Exhibition

. July $\begin{array}{r}\text { July } 24 \\ 13\end{array}$ to 20Brandon Fair.....Killarney ...
$\qquad$ July 30 , August

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& \text { Springfield } \\
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Miami .........

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July 0 , Aug
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## MARKETS

## All eyes are upon the country now and will remain

 Mere prety well on into thi tall The prospects for
 a short vield . For the present there are large supplies
on the world's markets. The visible supply on fune on the word s markets. The visble supply on June
Ist was $190,000,000$ bushels. compared with 151, ITO,-

 prics Ivel, but on the other han the prospects for
a shor crop this year are not good and the ryoob short crop this year are not god and the rob
corp was exxeptionally large.
Good growing weather
 There is some surpriss at the supplies that have

 ever. that the prices have induced more liberal
marketing than usual and that supplies will be pretty well cleaned out.
pretty well cleaned out.
Harrevt and threshng have begun in Texas and
will extend northward each week. The Texas crop is light and further reports from Kansas ind dicate that owing to the green bug and whe averse weather
the total out put ot that slate will not be more than half an average crop was made, the greatest advance being on October, which gained 1 t cents
Thast week end Thompson, Sons \& Co. reported conditions in the Winnipeg market as followsः thating around an export basis the demand is not such as to give any sping to values, and althouyh stocks at
Fort Willimm are large and money to cany whoat is tight, holders are unviling to make concessions in price for the sake of working. They are encouraged
 year's crop in the United States and Europe, and also
by the doubtul prospect for our own spring wheat by the doubtul prospect for our orwn spring wheat
crop owing to lack of suffieient rainfall.
Dver a large pat on the country complaint is now common that
crops are needing moisture bady.
Elsewhere thunder showers have been giving temporary relief but


 and ocober 9 tht. All prices

| Oats |
| :--- |
| Barte |

Oats
Barrey
Frax.
Bran, net per ton


| chople |
| :---: |
| Barte |

Oats
per ton case on track


Potitaros. in caras or small
BUTTER - mesh made bricks
Fancy, , Tresh made bricks
Dairy, extrat fancy
Prints fancuy in small lots
Cheese -
HEESE-
Merse
Manitoba new chese at $W$ 'peg
12 @
Manitoba fresh gathered, fool. ${ }_{17}$ (a)
Sultry, cold st
Spring chicken
spows

The expected rise in frist class butcher's. stock is here. Grood cattle are wanted, but they will be late

 Hogs, not too heavy and bacon types, 87.75


$\$_{4} 75$ : heifict, $\$ 2.75$ to 85 so: pgond to prime steers


## HOME JOURNAL

 कuger
## Life, Literature and Education

IN THE WORLD OF LITERATURE AND ART George H. Chandler, M. A., professor of mathe matics at McGill University, Montreal, is dead Dickens was the despair of the printers. He brote a very sman hand, often with blue ink on bue paper and with ma

A portrait of Julia Peel by
A portrait of Julia Peel by Lawrence, the great portrait painter, was sold at auction in London chaser.
"Musical Canada," a new Canadian magazine has made its first appearance. It is a monthly and is filled with matter interesting to all musicians
and lovers of music.

Charles Mair, the Western Canadian poet, has undertaken to compile a history of Western Canada. He will live at Edmonton while engaged gifts should make a valuable one. June 24th was the three hundred and tenth anniversary of the landing of John and Sebastian Cabot on the shores of Newfoundland, the first white men to reveal the possibilities of settle-
ment in the northern part of the continent.

The loss of another art treasure has aroused considerable indignation and there is an intima tion that the missing property has passed into Pietro, Perugio, Italy, had in its possession twenty-two large illuminated volumes dating from the fifteenth and sixteenth centuries. They and the most beautiful of them was the product of one Glacomo Caporali. Two years ago a
local physician who was attending the Abbot of San Pietro asked permission to copy the Caporali volume for a rich American. He was allowed
to take the volume home, but never returned it. The Abbot is now dead and the physician lies ill An Irish antiquary offered for sale at Sotheby's an English coin so very rare, it is said, that one had never been presented at an auction before,
not even in the famous Murdoch and Montagu sales. The coin was identified as a gold "Crown of the Rose," which Henry VIII commanded Wolsey to have struck in 1526 . It was ordered that the coin should weigh 5 I grains and be worth
four shillings and sixpence. which was the value of the French crown of "The Sun King." Henry VIII ordered the coin because English money, on account of its superior value, had been finding
its way to the continent., and it was neessary, he thought, to have a coin small enough in onsary to stay at home. Nobody at Sothery's hac
ever seen a "Rose Cown," and every numis matist was present at the sale and wished to own the one that was offered. The result was eage
bidding, until the coin was knocked down for bidding

THE EMOTIONS IN TABLET FORM The fairy tale of the girls from the lips of one of whom dropped pearls and diamonds and from the other fill toads ind sormetes beat regarded as
if Professor Gates is mere allegory, but must be looked upon as a fanciful way of stating a very real physical fact Professor Elmer Gates is a psychologist. H has a laboratory in Washington

## ,

 and their and jealousy can be reduced to solid ical agent has to chemical formule. A chem these solids as upon any other substanceThe physical processes undergone in the human system as a result of emotion of any kind are to be obtained in the perspiration and the breath of the breath of the subjects of his experiments, and obtained some marvellous results. The breath of an angry man when treated by the reagent precipitated a brown sediment, a grier stricken subject's breath left a grey deposit, while all the color results he gives, but. ne can imagine some of the others. For instance, the breath of envy would be green; treat the sigh of the homesick and you would see definite traces of blue; while in the breathings of the coward But the end is not yet. The precipitation from the evil passions is found to be invariably of a poisonous nature. The brown sediment of anger produced in every case nervousness and men tability. Thought conditioned by jealousy and reduced to a powder is of a deadly nature. Some was injected into the veins of a guinea pig and it who . 1 wis was rather hard upon the pig, to stranger. A human system might not have received such a shock. Of all the passions hate produced the greatest results in this series of expenditure of enerory and when treated pre ofitated several chemical products. Enough
intense hate to cause the death of nearly a hunIt is a matter for extreme thankfulness that the chemical substance necessary to react upon these products of the emotions is not present in ingly reduced. What would become strikbaseball umpire who gave an adverse decision ror the home team at a league match? How
terrible would be the fate of the lady who wore
the prettiest gown and most becoming hat to an
if weak, would be wiped out completelyasition,
f the two parties approached an equaty in
strength the tragedy of the Kilkenny equals win
If the professor has done any experimenting with the nobler emotions, he has not made the that is the chief characteristic of the to know eft by treating the breath of kindness, courage to know the effect of inoculating men with these various productions. There would seem to be
limitiess possibilities in it for the sulit limitless possibilities in it for the uplift of the

## THE WEATHER

It is safe to affirm that more has been said 1907 than about any other ten subjects together. It ought to be forgiven much if only for being a universal provider of conversation It has provided a topic for breakfast with one's for dinner with a guest, for interesting the chaperon or for putting the bashful youth the grateful. Ine thot appear to be sufficiently strong languare the American newcomer uses ey have "dow porse of experiments just comple

## TWENTY YEARS AGO

$\qquad$ Since o'er the waters biue, To meet your lover true,
Your eyes were like the Your eyes were like the stars, Jea
Which light the sky by night; Your hair was like a raven, Iea
And now it's almost white.
ut put your hand in mi
ou love me just as well. Jean
We've had our troubles too, Jean, Some dark and dreary days,
And we have lived to know, Jean,
Our ways, are not His wavs, And though He took our bairn, Jean For we've one another still, Jean,
And you're all the world to me.

## (Chorus)

THE STORY OF THE GRANTS.
$\qquad$

## manchester.

"He was a sturdy old fellow in a broa
skirted blue coat, made pretty fit easily and with no particular waist his bulky legs clothed in drab breeches and high gaiters, and his head protected
by a low-crowned, broad-brimmed by a how-crowned, broad-brimmed
white hat, such a a wealthy grazier
might wear. He wore his coat buttoned and his dimpled double chin rested in the folds of a white neckerchief - not one of your stiff-starched apopletic cravats,
but a good, easy, old-fashioned white neck-cloth that a man might go to bed
in and be none the worse for." That in and be none the worse for." That as seen by young Nicholas Nickleby,
and it is an accurate portrait of William Grant. He and his brother Daniel were the prototypes of the Cheeryble pair. Did Dickens ever meet the brothers
Grant? The Rev. W. Hume Elliot, in his "Story of the "Cheeryble' Grants," In the original preface to "Nicholas
Nickleby" Dickens stated definitely that Nickleby" Dickens stated definitely that
"the brothers Cheeryble live,", though
in a later preface he wrote: "Suffice it to say that I believe the application I have been requested to forward to the originals of the Brothers Cheeryble
(with whom I never exchanged any (with whom I never exchanged any exhausted the combined patronage of all the Lord Chancellors since the acces-
sion of the House of Brunswick, and of England." The statement,"with whom I never exchanged any communication in my lite" may indeed very well
refer-and taking its context pretty clearly does refer-to epistolary com-
munication.
There sems sufficiently conclusive evidence that Dickens did
meet the Grants in $1838-1839$; he may have taken a whim todeceive isis readers:
 The Grants hailed from the beautiful valley yf Strathspey. Mistortune over-
took the trood tarmer-father and his wife, the farm had to be given up, and
they decided to migrate, with their hey decaided to migrate, with their
even children, to Lancashire, where the cotton ind dustry was booming, It
was a perilous undertaking Out of the wreck of his fortunes William Grant
he elder had managed to save a horse


 werme subomumentlter to be made, the food
rave outt and the shadows of starvation
 William Grant and his fait ful wire,
with their children , gathereco round the with their children. gathered round them
on the bare hill-o.t. ifited up their
ond Tins in prayerto God, to to elieve them
Their sore trouble, and send food to





ONE THING I KNOW. He answered and said, whether He be I know, that, whereas I was blind, now "I have a lite with CHRIST to But, ere I live it, must I wait
Till learning can clear answer give Till learning can clear answer give
Rif this or that book's date?
1 have a life in CHRIST to live 1 have a life in CHRIST to live,
I have a death in CHRIST to I have a death in CHRIST to
And must I wait till Science give All doubts a full reply?

Nay, rather while the sea of Doubt Is raging wildly round about,
Questioning of Life and Death and $\operatorname{Sin}$ Let me but creep within Thy fold, O CHRIST! and at Thy fee Take but the lowest seat,
And hear Thine awful voice repeat, And hear Thine awful voice repeat
In gentlest accent, heavenly sweet
'Come unto Me and rest:
Believe Me and be best!'
St. John devotes a whole chapter to
he story of the man born blind, whose eyes were opened by our Lord. The we find about 40 verses describing
miracle similar to one which St Mark describes in a few words, we cannot bu
feel that it is intended to teach us many feel that it is intended to teach us many
valuable lessons. Let us glance quickly over the stor
The blind man's eyes are anointed with clave, and he is sent to the pool o Siloam to wash, and returns with the
wonderful gift of sight. Though he can now see the light, he has not seen the now see the light, he has not seen th
face of his Healer. The Jews at once assail him with hard questions; "How was this miracle worked? Who did it
You must not put your trust in Him, fo He is not a prophet. You are ignorant.
but we are learned in God's Word, and we can prove to you that this man is a sinner-why, even in doing this miracle
He was breaking the Sabbath.". They press him hard, and his position is a
difficult one. They have had the advantage of light for many years,
while he has been in darkness until now While he has been in darkness until now They are educated, while he is ignorant They are well posted in the scriptures
while he, probably, knows little of nothing. Can they break down his
new-born faith in a Christ he has never new-born faith in a Christ he has never
seen and of whom he knows only one seen and of whom he knows only one
thing? Surely such a weak, defenceless faith must go down before the the
fierce attack of well-armed and deterfierce attack of well-armed and deter-
mined foes! He cannot answer the mined foes, he cannot answer the Stranger he has never seen is a sinner or
a prophet? But his faith-weak and a prophet? But his faith-weak and
ignorant though it may be -is strong enough to withstand any attack, for
the simple reason that it is founded on fact. He cannot answer their clever arguments; but his faith is unshaken,
nevertheless. He only knows, "one thing," but that one thing means everything to him. One who has been to see, cannot be convinced by any
amount of argument that he is still in amount of argument that he is still in
the dark. "One thing I know," he
declares, positively, "that, whereas I declares, positively, "that, whereas I
was blind, now I see." Surely there is help in this story for those whose faith in young and weak
and who are finding themselves already and who are finding themselves already which they are powerless to answer
One clever opponent points a finger of scorn at the man who still is old -fashscorn at the man who still is old-fash-
ioned enough to pin his faith to the
Bible. "Read it," he says, "and you Bible. "Read it," he says, "and you
will find it full of inaccuracies and errors. will find it full of inaccuracies and errors. Why, it is constantly contradicting
itself. How can it be the inspired Word itself. How can it be the inspired Word
of God?' The weak Christian, whose eyes have just been opened, knows
nothing of Hebrew or Greek, cannot compare the many and varied, versions of the innumerable hard questions which are hurled at him. He is wise if,
like the man born blind, he makes no like the man born blind, he makes no
attempt to use weapons. which he has
not proved and which will injure himnot proved, and which will injure him-
self instead of helping his cause. Like the man in the story, he can fall back darkness to light, and that marvellous change means everything to him. He may not be learned enough to reconproved facts of science only perfect knowledge can possibly explain all the
difficult questions that force them
difficult questions that force them

## ७ THE QUIET HOUR々

Christ, and knows very little, God of your father face of Christ, and knows very little
as yet, about Him. If you are in that God of your fathers
from home, and find rs. Yo You g
to your
t believe position, avoid the snare of professing that everybody doesn't believe as y
to know and believe more than you father and mother do. Perhaps really do know and believe. you father and mother do. Perhaps the really do know and believe. Just faith on which you thought you could
because someone else has had spiritual rely is not really your own, but is only because someone else has had spiritual rely is not really your own, at is only experiences, which he and you think their experience, accepted at second-
ought to be yours too, don't pretend hand. A testing-time is a good thing,
that they are yours if they that they are yours if they are not.. If because it shakes you out of the comyou only know certainly "one thing"- portable idea that you believed, when
that your eyes have been opened to see really you only accepted unquestionthat your eyes have been opened to see really you only accepted unquestion-
the difference between darkness and jingly the belief of others. But, though light-the eternal difference between you may find it impossible to accept right and wrong -don't pretend that as absolute truth everything your
you know Christ as a personal Friend, parents believe so firmly, don't think you know Christ as a personal Friend, parents believe so firmly, don't think
and that He is all the world to you, as that you have to be either a hypocriteHe may be later. The life of God in pretending to a faith that you have not
He mater the soul is like the life of the body, it pretend an Agnostic- declaring that nothgrows and increases steadily, if pro- ing can be known with any certainty.
pertly treated. The man whose eyes "One thing." you know, beyond the were opened held firmly to the fact he possibility of doubt; you know that knew, and did not attempt to assert righteousness of life and purity of
things of which he was ignorant, and he thought, kindness, temperance, courage was soon rewarded by seeing Christ and and truth, are treasures of priceless learning that He was the Son of God. value. You know that hatred, meanHe was not to be shaken in his bold ness, lying, crooked dealing and unholy
confession of faith, though he was cast thought, confession of faith, though he was cast thoughts, will most surely drag any out of the synagogue - a heavy penalty soul down from glory into shame; and opposition to learned and influential science you will have to endure the men, that One who had done so much misery of standing like a culprit before
for him must be "of God." And, its stern condemnation. You know for him must be "of God. And, its stern condemnation. You know ing firmly to the little he knew, more ness is light. Well, let no arguments light was soon given to him. He did about modern views of religion make not as yet know Jesus, but Jesus knew you forget that you do see the light Himself as the Son of God, and received value and that you intend to priceless the adoring worship of this single- steady step along the path you know
minded believer.
 Farm Home of W. H. English, Harding, Ma
However weak your faith may be, and the reading of the Bible, don't give than it really is. Unreal profession is though you may never yet have even "cant," and is an abomination to God the eyes of your soul opened to really and man. If you only know "one feel sure of the presence of God. If offence against your own sense of right; in doing the thing you to the light, true offence against your own sense of right; in doing the thing you know to be right,
and that holiness of thought and deed is you will soon know more of the great fast to that one thing Your eyes are open, drink in all the instead of by the experience experience light you can get. Read the Bible, Don't be content to remain of others and find out what those who know more blind. Oe other people -people whom God who is, as yet, personally unknown you know to be honest and true -say to you. Seek Him with earnest deter- personal Friend that that He is the Great mination to find out what is the Truth, Reality of their lives. If that cen-
and you will soon know - really know dainty of faith is still a mystery to than "one thing "perience He Who is The go on seeking and praying for light. Truth is seeking for you, far more the eyes of your soul -are fitted to and when you are ready to accept Him see and know Him God wants you to as the Son of God, He will reveal Him- and determinedly seek Him earnestly self to you. If you have formed the one day gain the great joy of know ion you know, you will then, like the man mint wan shake. Faith is a gift arguas this miracle-parable, worship Him God, a priceless gift which He longs as your lawful King and God. If you bestow on every soul that is really al doing unflinchingly what our con- reach at a bound the But impregnon sou may suffer pain and low fur for 50 years or more . you may suffer pain and los your for so years or more. That what but very certainly, gain"

MARY'S TIMELY VISIT expressed a wish for the recipe for rhu expressed a wish for the recipe for rhu-
barb wine that I mentioned in a former
etter, so I hasten to send it, although feel that perhaps you will think I am
oming too often. Rhubarb Wine.-Five pounds rhu-
barb to one gallon water. Cut the rhubarb very fine; let it stand in the water (cold) for twenty-four hours; vell. upon three and one-half pounds brown sugar, the rinds of two lemons sliced
very thin and also the juice. Keep stirring at intervals for another day put in a jar (stone spirit jars we used to have) not quite full; add one-quarter of an ounce of isinglass to a pint of the liquor and when the isinglass has quite
dissolved add it to the wine and stir well. Let it stand for three weeks with on a fine day in the fall or early winter, Use wooden spoon to stir. My mother
made wine from above recipe for many made wine from above recipe tor many color was
I wonder if Martha would be kind
enough to tell me the name of the enough to tell me the name of the
washing machine she has used for so long with such satisfaction. I want my "good man" often reproaches me for not getting one, but there are so get one I want it to be the best. If I
may, I should like to write again soon.
(Your recipe for rhubarb wine came
just the day after it was acd just the day after it was asked for by another correspondent. C hope you
get a good washing machine. One of with it almost any member of the family can be utilized in running it Come as often as you wish.
is always open.-D. D.)

AN INVITATION TO DINNER. Dear Dame issue that Northumberland wanted a tecipe for English muffins, and as I think I know the way they are
made, perhaps you will be so kind as let her have it when space permits. wonder what part of the country she is from. Berwick, Coldstream and
W coler are all familiar to me, and heather-clad Cheviot. I wish I could of the menu to be a grilse (young sal mon) drawn fresh from weed s silve Northumberland " "kneadies", and heather honey. Is your correspondent Now for the muffins:-Take well risen bread dough, roll out, cut in rounds,
and raise like ordinary rolls, only remember to have them fairly thin
Bake like soda scones, on the top of the stove, oonly turning once. Flour
the pan you bake them on. When well through the edges apart, hea Only practice is needed in the baking to ensure success. I also saw a reques Lass,", and as perchance our husI send a recipe from Beeton's Household Management, guaranteed good
and just the thing for an emergency and just the thing for an emergency, for a fortnight:- Take one pound pork dripping), one-fourth pound brown sugar, one-half ounce allspice (or
cloves), one and one-half pound flour one teaspoon baking soda, one-fourth ginger, three eggs. Mix dry ingre dients well together, add butter and
treacle (warmed), then the eggs whisked; and the soda dissolved in the
milk. Bake in a well buttered tin, in a noderate oven for an hour, or rathe
 na araid my letter is already tow long

## Ingle Nook Chats

bed, double, and within the fold line RHUBARB PRESERVES AND TENNIS
with large sheets (any may be used, baste newspaper, if doubled) an am gratefuly to a kind member for the
suggestion of lining men's waistcoats suggestion of lining men's waistcoats;
the idea was made use of directly, so
I thought I should send exchange. I must apologize for the great source of instruction as well as
amusement, but what a lot of patience amusement, but what a lot of patience
you must have, Dame Durden, to
peruse all these letters. With hearty good wishes to all.
(Don't I wish you could her Honey. "ungenteel"! I'd accept with most me at this very minute, for it is lunchtime and shortly I'll be sotting down to things, instead of young salmon and " "kneadies." What are they, any way? It would be some com
know just what I'm missing.
know just what I'm missing.
Did you notice I changed your name as we have another "Tweedside." If you do
soon.
It do

It does not require patience to to the Ingle Nook. Just time, and I consider it time well spent, and as
instructive and interesting to me as to

MATS FROM STOCKINGS. Dear Dame Durden:-I have read with great interest the items found
from time to time in the "Ingle Nook" of Farmer's Advocate-and also tried With success many of the recipes con-
tributed by the members, although not tributed by the members, although not
one myself. I came here from "Tyneside, England three years ago, and as
you may suppose, found things very you may suppose, found things very different to what I had been used. In packing 1 used a quantity of old into a comfortable mat in the following
way:-Begin at the toe and pull the way:-Begin at the toe and pull the
knitting out, then wind the ravellings knitting out, then wind the ravellings have it about two dozen times. Cross the ends and fasten, either by sewing or tying with strong cotton, right through
the whole of the ravellings on the fingers, making it tight and firm in fingers, making it tight and firm in one
place, which makes the rest of the ball spring out. Make all the wool up in this way and then fasten a piece of canvas (coarse harn or sacking) in
frames, just as you would do if making frames, just as you would do if making
a cloth mat with clippings. Mark it in the patterns you wish; then hold
the little wool balls under the canvas and sew firmly on as close as desired, arranging the colors to suit your own
taste. I hope this is plain enough to be understood by Alberta A. or any of
the other members of the "Nook." Many of us, I am sure, have appreciated
the letters on "Sanitation" by Dr the letters on "Sanitation" by Dr


I like "Dellis" idea about fixing up a
house. ${ }^{\text {I }}$ have my house clothed and
 but just over-lapped it a lititien and
tacked it, puting several tackings in
the

 as I I was toll hurene Ine I woud all peapered,
that $I$ was puitting on too much style that I was puating on too much style
for a homesteader and that $I$ had better go back to the city, where such style fas carried on. I do like a few comdividing walls I did not put the wall paper, but cut suitable pictures out of and pasted them Farmer's Advocate center piece of wall paper and border It just looks fine, and the children pictures.- I have pictures of different Queens, birds, animals, houses, and
pictures showing how to fix different

My husband got an idea from one of the pictures about how to fix a shelf
for the wash dish in the kitchen. Take a board, cut a round hole in it so the dish will fit down in it, fix the board on two brackets and fasten it in a corner having the soap dish hanging on the wall to keep the water from splashing brush rack hung in this corner. Another handy thing for this corner if there is room, is a piece of oilcloth or coarse three different little pockets, for tooth brushes and lead pencils that are not to be found when wanted. I nearly forgot to say there is no danger of the
children tipping the wash dish and spilling the water when fixed that way For those that like to grind their wn coffee and have no coffee grinder it works fine.
As it is garden time now, I think we ought to say something about the hands. Canvas mitts or gloves are I make the mitts and intend to try making a pair of the gloves. to make sod like them. The favorite bread is fine, and so is the parkin which was new to
me. Before I got the bread recipe, my me. Before It got the bread recipe, my bread for the corner stone of the house, but now he thinks it is too good to as the little ones do not care aboul mother writing. They want me to go
(I . perhap some oneelse can help.-D. D.)

METHOD OF MAKING HANDSOME
Dear Dame Durden:-May I come in I have often sat in the spirit in the cor ner and listened to the "wise and otherwise remarks of the cornerites. I see instruction re mats made from old socks. I have made very nice one
by this method: Cut the legs into strips about threee inches wide length-
wise and as long as you can. Now avel in the edges on each side, leaving bout a half inch in center to sew on by When you have a good large amount linen bag and sew the pieces or old linen bag and sew the pieces on very
close together, so that they will stand up full, The effect is quite rich. You can make it hit or miss, or, by dyeing he socks and making say a black bor handsome rug. We used to have
 myself clear. If any one would like a
recipe for scripture cake I will send it to you. I made one some time ago for
a church social and sold slices of it at a church socach, making quite a nice
ten cents eater Every ingredient is men-
little sum.
tioned in scripture hence the name.

## Children's Corner

LONGING FOR SLEIGHS AND SNOW Dear Cousin Dorothy:-This is my
first letter to the C. C. I have a cousin first letter to the C. C. I have a cousii
Donald in Millwood who sends my dad the Advocate every week. M dad was once a soldier in Nova Scotia and now says he would like to be there again. Donald sent him a picture pos
card with a day's catch of fish on it. My dad likes to go fishing very much Sometimes he goes out in the early morning and does not come home till night, having caught nothing. I saw M. Bernard says she cannot go to school because the snow is so deep, and Willie Harris has a dog which pulls his sleigh plenty of snow here so that we could have sleighs, for dad says they are fine. I hope you will not mind a little English girl writing to you. Leicester, Eng. (b)

## MORE POULTRY RAISERS

 Dear Cousin Dorothv:-We have taken the ADVCATE for about fouryears. My parents lived in Chicaga ten years; then moved to Brandon we lived within two miles of Brand we lived within two miles of Brandon,
and the fourth year we moved to and the fourth year we moved seventy-two hundred bushels of grain. This last fall we moved thirty miles from Strassburg, Sask., where we are living
now. We have eight hundred acres of land. I have two brothers. Last fall my father bought us three different kind's of purebred hens: Silver Laced
Wyandottes, White Wyandottes, and Brown Leghorns. So we each have a pen of chickens to look after.

## Saskatchewan. (a)

## A DOG AND THREE CATS

Dear Cousin Dorothy:-My father
takes the Farmer's Advocate and we takes the Farmer's Advocate and we
like it very well. I like to read the Children's Corner very much. We have got thirty-one head of cattle and eight horses. The horses' names are Queen,
Tommy,
Pet Tommy, Pet and Puss. We have
dog named Shep and three cats.
have two brothers and some sisters. have two brothers and some sisters.

## Alberta. (c)

Dear Cousin Dorothy:-I thought would write a letter to your Corner a
I saw nice letters written by other girl I saw nice letters written by other girls
and boys. I live in McLean and 1 go years old and am in the fourth class. years old and am in the fourth class
We have taken the FARMER'S ADVOCATE good paper. I always read letters from the girls and boys and think them very nteresting. We have two dogs whose
 named Snowball. We had fun around the funeral pyre. in groups A softened light stole o'er her brow, she "Nay, touch me not; I'd rather micet in the winter coasting down a hill The scowl upon their knotted brows "Hear me, Thou Great and Glorious One, My aged site and all my tribe shall
which is behind our schoolhouse.
Protector of my race, Hattie R. Coles. (13) It needed not the cords, the stake, the Whom in the far-off Spirit Land I'll That, as befits a Huron's child, the ir
rites so stern and rude,
chieftain's daughter died!", TUFFY AND FLUFFY. Dear Cousin Dorothy:-I have
enjoyed reading 'the letters of the Children's Corner, so I thought I
would write, too. I live in Hullcar six miles north of Armstrong. I live on a farm of 860 acres. We have a lot of cattle and sixteen horses. We For ne'er had coral lips been wreathed with courage high and free, . They praised that maiden's courage have about fifty chickens and two
pigs. For pets we have a dog and two
cats. The dog's name is Prince cats. Tat's nomes name is Prince and I have four brothers and one sister. My two eldest brothers are at the am ten years old and my sister is seven. My birthday was on the ninth of Knowing race; and royal mien, December. Annie Parkinsos: (10) $\begin{gathered}\text { knowing they'd met to wreak on her E'en though the chief the signt } \\ \text { thed }\end{gathered}$ British Columbia. (a) To doom her to fearful death to pangs Sprang fort th to lead the dauni
of fire and flame.

dainty, sparkling An appetising dessert for the
竍 a few moments-without heating rr cooking. A wholesome
food in the sick room, delicious to taste and easily digested. $\underset{\text { Pure }}{\text { Manfactured in our own }}$ Pure Food Factory, every
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ally put into twine that runs ally put into twine that runs
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prand at Winneg， 12 c at
Brandon， 12 yc at Regina，and $12 \frac{12}{c} \mathrm{c}$ at Calgary．To these
prices must，of course be ad－ ded the local freight rates from
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ed by hail or excessive rain or should the twine be unsatis－ factory for any reason，you are at llberty to return it to us，and we will
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able to make up a car lot to your station，thus saving you considerable
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iterature．This is easily done by this special low priced offer The Farmer＇s Advocate

Ans．－Recoveries from cases of this numbered in the volume of studbook in
kind are very rare，and it would have which it appears when published．The been better if you had left the case in presentation of the certificate above the hands of your veterinarian．Flush mentioned renders her eligible to regis－
out cavity with a four per cent．solu－try in the Canadian Clydesdale Stud out or carbolic acid in water，three book．If you want to register her in
tion of
times daily，and give 5 grains iodide of the Canadian Studbook，address times daily，and give 5 grains iodide of the Canadian Studbook，address potassium in a little of the dam＇s milk

## BURSAL ENLARGEMENT．

 Colt，two weeks old，has soft swelling Ans．－These are bursal enlargements that，in all probability，will disappearspontaneously．Leave them a ione，and， spontaneously．Leave them a．one，and，
if still present in the fall after weaning， if still presen
blister them．

## HEIFER PASSES BLOOD．

 Cattle were driven 25 miles in twodays．One heifer passes blood and st days．One heifer passes blood，and she
has not done well，and does not eat
well．She is now on clover pasture． Ans．－Give her 2 drams each of S． Ans．－Give her 2 drams each of gen
tian，nux vomica，powdered opium and
solid extract of belladonna in a quart solid extract of belladonna in a quart of
warm water as a drench，three times
daily．If there is any tendency daily．If there is any tendency to con－
stipation，give one pint raw linseed oil，
once daily as indicated WHITE GRUBS IN STRAWBERRY PLANTATIONS．
Would you kindly inform me as to the
best means of preventing the damage best means of preventing the damage
done to strawberries by the white strawberry grub？The grub referred to
is about one and a quarter inches long by one－quarter or more in diameter when
grown，and has a red head grown，and has a red head．Do you
think a small amount of crude oil sprinkled near the plants would drive
them away and not injure the plants Do they come on top of the ground at
Dights，and how long do they remain in nights，and how long do they remain in
the ground before they emerge as
heotles beetle Ans．－The white grub to which Byou
refer is the larva of what is commonly known as the May beetle or June bug．
There are several species of these There are several species of these beetles，
and the time required for full develop－ and the time required for full develop－
ment of the larvæ of each is not definitely
known，but，as a rule they take two known，but，as a rule，they take two
or three years to develop from the egg to the mature beetle．The eggs are
laid by the female in sod or grass land and the young grubs live upon the roots of grass and other plants．In such lands，
they may often be found in all stages， they may often be found in all stages，
from the newly－hatched larva to the full－grown grub－hathed From the fact that
they feed in this stage altogether below ground，it is practically impossible to
reach them with any insecticide reach them with any insecticide．The
best way to avoid their injury in straw－
berry plantation is not berry plantation is not to plant straw－
berries upon land which has been berries upon land which has been
lately in sod．It is best to grow pota－ toes or some such crop upon the sod
for a year or two before the land is planted to straw berries．About the Ans．－Your calves were affecte
only wav to deal with them in a straw only way to deal with them in a straw－in a very peculiar manner．It was evi－
berry plantation where they are trou－dently a case of blood poisoning，but
blesome is to blesome is to dig out the larvæ and
destroy them wherever dead plants
indicate their indicate their presence．Crude plants
anything of that nature which would
$\qquad$
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$\qquad$
$\qquad$
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Records，Department of Agriculture，
Ottawa，asking for blank application forms for registry and transter，which fili in as per directions on same，and
mail，together with export certificate and necessary fees，to the Accountant as above．The fee for registering is one non－members．The niembership toe s two dollars a year；the transfer fee，
50 cents．The rules and fees are printed on back of forms．
HORSES WITH SORE MOUTHS． My horses are suffering from swollen
lips．They all eat well and are in good
condition．They have all been work ing during seeding and have not had day＇s illness．The noses and lips feel rather warmer than usual．They dislike being touched on the nose．I had of one and had to work her with lines buckled to the halter．Please give me cause and the treatment of same． Ans－－It is difficult to say what was description，but must be some you cause，most likely something in the hay or mosquitoes．Try to remove the
cause and your horses will get better

## POISONED CALVES．

Two calves were castrated at about two and four weeks old in April．The
weather not being very fine they were kept in pen in stable．Pen was cleaned
about twice a week and bedded daily They appeared to heal up all right，and seemed perfectly healthy．About three weeks later lumps appeared on their
faces something like lump jaw oly faces something like lump jaw，only not
fast to jaw，but in cheek．One became very badly，swollen in cheek；could see no sign of swelling or anything wrong
in mouth．Soon one broke in calf＇s in mouth．Soon one broke in calf＇s nouth and very offensive smelling pus
escaped．Calf soon became very sick a cough developed，and calf failed into mouth continually Evarg．pus calf died．Before he died I lanced the get pus to run to outside，but in coulhing bwellings don＇t and seerum came．The swellings don＇t seem as if they needed
lancing；they feel quite hard．Foment ing didn＇t seem to reduce it at all． new only other treatment given was flax seed three times a day as long as
calf would drink．Of course as soon as the lumps appeared the calves were kept outside all day．Now the other calf is going the same way．Can you all me treatment for such a case，and impossible to give anvthing like a pro－
per diagnosis of such cases without seing them．You should consult your RHEUMATISM IN HORSE．
Horse four years old had distemper a year ago．Swelling under jaw was
slow in breaking，so we blistered．
Horse went lame
out on grass；lameness and swelling all

$\qquad$
$\qquad$

INJURED OXEN L. We bounht an ox this spring.
face fult be oewner struck him on the


 and is iec for about the size of a fifty
cont piece like proud fesh at the bottom
of lump
 joints the hair is off and at times in
cracks and bleeds.
Kindly
advise cracks and bleeds. Kindly advise if Sask. D. R.
Ans.-There is no doubt but that
the bones of your the bones of your oxy's head have become done for him. You might try a blister drams; powd. cantharides, 2 drams;
vaseline, 2 ounces. Cut off the hair and rub in well on the hard part; leave
on for thirty-six hours; then wash off and apply vaseline. It may be lumpy jaw. Keep part well greased with vase
2. Ker
line or mutton tallow and add a few line or mutton tallow and add a fev
drops of carbolic acid to the grease TUBERCULOSIS AND DEBILITY. I have just had a grade Holstein
heifer aged three years, die. She had seemed to thrive very well although
on abundant pasture. Last winter she on abundant pasture. Last winter she
had unfortunately to be outside most of the time and fed in the yard with
about 125 other head. She never seemed to have a good appetite and never rustled around like the others.
About three weeks ago she fell down getting her up again. The next day her back, and till the time she died we had to raise her. We held a post
mortem examination and found that under the hide and round all the one to hold the plow, and the oth muscles above the hocks, round the to drive, the cattle being quite
spine and root of tail, under the gullet easily taught to mind the words " spine and root of tail, under the gullet easily taught to mind the words "gee"
and shoulders, there were lots of cysts, and "haw" (right and left), the comsome large some small, full of a pale
vellow transper yellow transparent matter like a very
thin, clear jelly. She had lumps all round her jaw, loose hanging lumps also full of this liquid. Her right lung ing into fragments and much smaller There were present also sound her hear and lungs and on some of the intestines more cysts full of the same liquid.
Her blood was very thin and light in Her blood was very thin and light in
color and all her muscles seemed very
soft and watery. The calf (a heifer) soft and watery. The calf (a heifer)
was in good condition, and well pro portioned.
We have been wondering if she died We have been wondering if she died from tuberculosis, but never having
seen a case before cannot form any
decided opinion. The cavity of the lung contained about a half a pail of water. I had a two-year-old steer die
at Christmas time. He was very poor and had a cough also. Both these animals were sired by a purebred
Holstein bull (registered). Your opinMan. W. W. H.
Ans.-The heifer had tuderculosis Ans. - The heifer had tuperculosis
which was hastened by debility and
lack of nourishment toward the last.
The disease is not transmissable from
sire to offspring, but the tendency to it
is, and when one gets two very pro-

COLT OVER ON FETLOCKS. COLT OVER ON FETLOCKS.
Colt three weeks old was born weak
and had to be helped up to suck, bu and had to we helped up to suck, but
after a couple of days got strong enough
to get up alone but is now walking on to get up alone, but is now walking on
fetlock joints with feet turned back. Have been bandaging and also put on
splints, but it is rather difficult to keep splints, out it is rather diffucult to keep
splints on. Was thinking of keeping
him a month, then, if not better, killing him a month, then, if not better, killing

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ENGINEER'S CERTIFICATE. Will you kindly inform me where
ant to apply to, to get the necessary am to apply to, to get
papers to run an engine?

## GOSSIP

Ans.-Write the Department of Agri
CHRONIC COUGH, WORMS Would you kindly let me know ho
to doctor these horses? to doctor these horses? One of them
gelding bronco, broken two years ha a cough and it is worse after he gets a drink of water and goes back to the hay.
Coughs when he is at work. My hay Coughs when he is at work. My hay
that I am feeding is very dusty, but dows that 1 am feeding is very dusty, but does
not seem to affect the other horses. Two
of the horses are affected with worms and- one with bots. Would you be good enough to give me a perscription
tor a horse that is pretty thin. He tats
well but does not seem to well but does not seem to put on flesh.
The horses are all between nine and ten years old
in weight.


Ans.-1. It is a great mistake to
feed dusty or musty hay especially to feed dusty or musty hay, especially to
a horse that has a chronic cough, or is showing symptoms of "broken wind," as your bronco decidedly does. If you
niust feed dusty hay, shake the dust nust feed dusty hay, shake the dust
out of it as thoroughly as possible and
dampen it hefore dampen it before leeding it to any of
your horses. To the animal you have mentioned feed only a moderate quantity of hay at any time. Give morn-
ing and evening in food or water for
two weeks. of Arsenic. 2. Prepare each of the horses for a
dose of purgative medicine by feeding exclusively on a mash diet for sixteen
weeksand then give to each the following: Barbadoes aloes, 7 drams; colomel, 1
dram; ground ginger, 2 drams; soap. dram; ground ginger, 2 dranss; soap,
sufficient to forni a bulb. When the
purgative has ceased operating purgative has ceased, operating, give
norrning and evening, in food, or by
placing well back on the tongue with a pablespon, for one week, one of the
following powders: Ferri sulph bicat iollowing powders: Ferri sulph. bicar-
bonate of soda, and powdered gentium,
of each, 3 ounces; nux vomice, 2 ounces.
Mix Mix, and divide into twenty-eight
powders. 3. Examine the horse's teeth and if
they are found to be uneven. sharp projections, have theme, dressed petent person. Give in a scalded bran mash, containing a teacupful of flax
seed, one of the following powders, every night for two weeks: cupri sulph.,
one and one-half ounce; cinchona pulv. and nitrate of pounce, cinchona puiv. of each two
ounces. Mix, and divide into fourtem BUNCH ON LEG. I have a gelding four-year-old, got
cut in wire about two years ago, on
front of hind ley Iront of hind leg just above the ankle
joint and healed up, all right, but lett
cinite fillte a bunch, which seemed to be
loose; could move it round with fingers I drive him considerably and I thought I would blister it and see if that would A FEW TIPS ON CEMENT AND CONthe whole leg up to the hock joint swelled about one-third as large again
as normal. Take him out and work for in hour and the swelling goes down all sand and crushed rock. The sand
scept. where the hunch we cone about two weeks since I blistered him. River bottom somend, should not whe when fine and
What shall I do? Do you think it will strength is much get
Sask. $\qquad$
$\qquad$


## II

June 26, 1907
THE FARMER'S ADVOCATE

nixturo. This undoubtedly gives the the breder, except in cases where the
 A very conunon nethod, however, is being served and before giving birti)
mix all three parts at one time while the animal the pedigree of which is et dry, and then to mix with water be recorded; the applicant then signs intil the mixture will pack well and but transfer must be supplied signe Get the !orm walls rigid, and do not ap moisture and cha drv, as it takes to injure the changes its shape so nature of owner of service sire is renuired. Do not allow concrete work to dry $\begin{aligned} & \text { Special attention should be given } \\ & \text { see that the registration number of sir }\end{aligned}$ out fast, as cracks will appear. It and dam 'in case of Shorthorn fensales
hould be protected from the sun for volume and page) are given correctly hree to five days and sprinkled with
ater to insure even setting throush
he cuncrete. In two weeks concrete gains strength othe- than as stated abo ve signs, expla aus should elapse hefore, it is given than that of the breeder appear

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essary. state age, weight, height. Firemen
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harness horse breeding establishment on the continent. Hackneys seen:
on be peculiarly adapted to the environments of the Calgary district and
Messrs. Rawlinson have been excep-
tionally fortunate in thair selections of breeding stork. Their first big strike
was in their choice of Robin Adair 3907 bred by John Lett., York. Eng. and
used for ten vears in the stud. In 1901
he was cham he was chan, pion stallion in New. York
and first and reserve champion in 190)2. He was also sire of the great
winner Robin Adair II, and of the champions Saxon, Pricilla and Minona-
Many of the lots offered in the sale are by Robin Adair: others are imported
and by False Heir (imp.), Comimodore, (inıp.), etc. Eightv.five ${ }^{\top}$ lots offere
are purebred and the remainder of the
159 are grade Haclonevs, 159 are grade Haclnevs, among whic
are to be found the potentialities
horse how championc
The stallions offered are Comnmodore
(inip.), 6695 foaled in 1897, sire Choco
late, dam Affable. Chocolate was
sired by Rufus, the sire of Robin Adair,
and bv using Commodore upon mane and bv using Commodore upon many
of the Robin Adair mares, the hlond
has been concentrated in a serviceable fashionable type of horse. Commodore
is a thick stocky horse and has been an impressive sire. Another imported
stallion is Flashlight a two-vear-old chestnut, bred bv Sir Gilbert Greenall,
sire Goldfinder 6th, by Danegelt with
dam Dy Denmark. Dn his dam' side Flashlight has Fireawav for a
grandsire. thus combining the Denesteemed cross. Flashlight throuvh
his dam is half brother to Cliftom, the chatrpion at the Roval in 1895 and
at New York in ' 06 and 9 . Three
Con:mondore stallions are offcred for sale. Golden Hope, a brown three-year
old, out of i Robin Adair mare is one Drake, a two-vear-old chestnut out of
Florence. a Robin Adair mare and full
sister to Minona the sister to Minona, the highest, priced
mare, $\$ 1,62.5$, at Senator Reith's sale in 1005 , and the yearling stallion Bunc
Grass, dam Thelma, a tull sister to the
The five imported trares are heautie
Thev are Steeton by Nil Desperanduun
2nd. Timber Pride bv Charlev Merrvlegs
3rd (this is the dann of Sa xon). Terring
ton Tily hw

## by Caxton and Terrington Accident

To review the manv Canadian-hred
filies offere? would? take more space
than we have for the it to sav thev are a hardve stwlish lot, with
cond conteol of their legs, having spent
$\qquad$

## Catalnars of the sale will he sent

## arine parties nemtionine this neper.

## Sronla, reports that "Doune to the "1st Windsor Supply Co., Windsor, ont

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te subject of Live Insurance will Ae mailed to any address on request. The leaflet comments upon the many benefits of Life Insurance, and tells of a Policy under which the insured may not only protect dependent ones, but provide for his own future, and this at a cost remarkably low.
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WINNIPEG

## WINNIPEG FAIR

## July 13th to 20th, 1907

Exhibitors are reminded that the entries for Live Stock Close July 1st, Races July 2nd. GEO. H. GREIG,
A. W. BELL, Manager and Secretary

## SAVED \$55.00

A MACMET user wrote us that he wanted to get a larger alze owing to the Inoreased number of cows in his dairy. We informed him that he did not require to change his maohine, that his pre-
sent one would do, and that we could increase the capacity by ohanging the skimming devioe in


WE mado the ohange and after a full trial he writes us:-"1 am more
pieased than ever with my mackET,
it skime the inereased quantity, turnIng as easy as it did before, and cos me just $\mathbf{8 5 5 . 0 0}$ lose than my nelghber
pald for exchanging his small maohin for a larger one. Of course his was not a MACMET and the whole machine had
to be ohanged. to be ohangec
$\qquad$
$\qquad$ skimming and no oost for repalr
Takes all the butter-at easy. Like butter-fat out and turn bowl. The square gear suits me
would not buy a worm gear machine I Desiring to get a larger machine,
was glad to find it was not necessary could get the capachitye, ond the presen
MACNET increased at the cost of a fe magnet Crean

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c. W. COOPER<br>wame

Chum
lis. Com. Pasas $A_{8}$
Winnipeg.
NORTHERII
'and correct slow pace into a plainly
defined pace and then there is sure
enough trouble. The fox trot is a s!, w peculiar gait and not so desirable
the running walk or the slow pace
Some horses cannot acquire either Some horses cannot acquire either
these two gaits and so their trainers
pull them down into a very slow trot pull week to pass that gait off as a fox-
and seek
trot. It is a broken time gait in a
measure somewhe measure, somewhat easier than a pure
trot and when cleanly performed it
will answer as a business gait The trot is the diagonal gait. The
off foot and the near hind foot strike the ground at the same instant and the bounds off them to hit the ground again
with the near fore and the off hind.
This gives a two-beat gait pact of the feet on the ground is one, two, one, two. The pace is the lateral
gait. The off fore and the off hind foot hit the ground at the same interval,
and the other pair on the near side follow. and the other pair on the near side follow.
This is also a two-beat gait. The rack
is a four-beat gait. Each foot hits the ground at a separate interval in a one, two, three, four beat. The rack can be falls of the horse may be heard; each
foot rings clear its own note on the hard ground. In teaching the rack the horse
is forced forward by the spur and restrained by the curb. His diagonal
gait is thereby broken up and he flies gait is thereby broken up and he flies
into a four-beat gait. The rack is easy
for the rider, hard for the horse. It is for the rider, hard for the horse. It is
a showy gait and is performed at great
speed sometimes. The trainer who has a fast-racking horse will generally keep
him on that gait when in the show-ring. him on that gait when in the show-ring.
hoping to dazzle the judges by the
ñashness of the perfornance Un fortunately this trick succeeds many
times, as some judges are too ignorant requisites of a saddle horse. Many a horse requal rack his wav to fame through the
has ramen
connivance of connivance of half-baked judges who
proceed in the apparent belief that the rack manded of a saddle horse has been offically named the rack by the American Saddle Horse Breeders' Asso-
ciation, and hence the name ciation, and hence the name single-foot
should not be used, as it merely leads should not be used, as it merelv leads The five gaits recognized by that
association are the walk, trot, canter, rack, and the running walk, or slow
pace, or fox trot. Either one of these
three hree slow gaits win answer. Some
horses can only go one of them, some
can show them all. When a horse can can show them all. When a horse can
show these five gaits he is called a gaited
horse horse.
Saddle horses are differentiated by
their gaits into their gaits into two classes-the walk-
trot-canter horse and the gaited horse.
The gaited horse The gaited horse can do all that the
walk-trot horse can do walk-trot horse can do and more.
Therefore he is the more useful and the
more valueble WHY NOT HOME WATERWORKS? The new system of underground and villages promises to revolutionize
that class of homes as much as di? the that class of homes as much as dir? the
wire fence telephone, as it gives to the farmercall the water privileges enjoved
by their city cousins. With an outlay


 Of
veved water frem the grand pring on the the hill-
side to the watering trough at the house
through hollow ious


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Splendid Gains in 1906 for

## Th. (aImay yile of CANADA.

Gains were made in every department
Here are the figures:-
Grins in Income . . . . . \$ $115,904.22$
Gains in Assets Guins in Surplus . . . . . 1,089,447.69 Guies in Insurance . $\quad$ 2,712,453.00
And remember, please, that all these increases were made at an actual saving of
$\$ \$ 0,224.36$ in expenses as compared with the previous year.
the business seging refloct greater credit on - and the ever-watchful care of the policyColders interests - by the Offcials of the Write for free copy of the Annual
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remperance 8t., TORONTO, Canada Affliated with the University of Toron: hasegovernor of Ontario. Pee- $\mathbf{6 6 5 . 0 0}$

[^1]

DR. FOWLER'S EXTRACT OF
Wild Stamberpy
OUR円S
Summer Complaint, - Diarrhoea, Dysentery, Colic and Cramps, Cholera Morbus,
Cholera Infantum
All Fluxes of the Bowels.
It is without doubt the safest and most reliable remedy in existence.
It has been a household remedy for Its effects are instantaneous and it does not leave the bowels in a constipated condition.
Do not be humbugged into taking romething the unscrupulous druggist eays is just as good.
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Clydesdales and Shorthorns
inulions and mares of excellent breeding, of all ages, for aaie en cu Also some choice young bulls fit for serviee and a number of Many of them Loading Prizo Winnero at the big Wostorn Falre
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On Tuesday, July 16, 1907 at the Grand View Stock Farm

75 head of PUREBRED SHORTHORNS
The pronetryo whill be offere
Reduced Railway Fares have been
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Auctioneer

It pays to patronize Advoc
 $a$ ine on either side of the first line exactly parallel with and 417 feet two
inches from it, setting stakes at either
end of them. Yoin inll the ond ong tract 40 yards long have an 83
feet two inches wide. At each end these three lines you will now set stakes
Now fasten a cord or wire 417 feet tw inches long to the center stake of you
parallelogram, and then describe a hal parallelogram, and then describe a half
circle, driving stakes as often as you
wish to set a fence-post. When the circle is made at both ends of yout
parellelogram, you will have two straight parellelogram, you will have two straight
sides and two circles which, measured sides and two circles which, measured
three feet from the fence, will be exact1
a mile. The turns should be thrown up Touching the acreage required and another way to lay out a milie coorse
here are rules that will be found uselul "As to the necessary acreage, this must
entirely depend on the surroundings
desired

 laid out a paralleloarcamion of the above
dimensions, bisect it loryitudinally and twenty vards eighteen inches from
each end of the dividing line drive stake
139 yards back of these stake stive 139 yards back of these stakes drive others. Between the latter you will
have a base line exactly a quarter of a
nile mile long. On each side of this at
distance of 139 yards draw lines paralle
to it and the to it and the same length. Now, attach a cord, or better still,
fine wire, as that is less liable to stre tch
to the pegs at the ends of your centra
base line, and describe a semicircle from ease ine, driving fescribe a semicircle from
eatakes. If your
measurements are accurate the tan measurements are accurate the tan
gents of these half circles will exactly
coincide with the pegs set near the extremities of the dividing line, and the
ends of the two lines equal and paralle to the base. If you place your inside
fence on the outer side of these semi
circles and the parallel lines they join circles and the parallel lines they join
you will have a track exactly a mile
around measuring three feet from the
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 Sure cure for rurb, colic, splint, , recent theo boils.
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There is no form of disease more pre alent than dyspepsia, and none so peculiar to the high living and rapid eating of the present day mode of life Among the many symptoms are: the pit of the stomach, with unsatis fied craving for food; heartburn, feeling weight and wind in the stomach, bad breath, bad taste in the mouth, low

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will cure the worst case of dyspepsia,
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and Saskat
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every horse breeder. Con CoU Ars. And to te wisty without
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and Hoffer
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B. H. BULL \& SON Brampton,
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> Will be seen at the leadin Western Fairs this year.
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At MAPLE SHADE
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THE FARMER'S ADVOCATE

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is usually the painful penalty of overeating, but is sometimes caused by fatigue, heat, nervousness, of through neglect to be regular 's pills will bring speedy relief to most severe and obstinate cases. After a dose or two. sick headache entirely

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because this famous remedy goes directly to the seat of the trouble and passes it out of the system. Beecham's Pils are not a makeshift; they com bine certain vegetable properties in exact propor tions, which get g ond the body. They are as carefully compounded as a doctor's prescription and as standard as a gold dollar.
You can relieve sick headache, constipation

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Is the Argument sound?
The Ideal Fence Co.,
$\left\lvert\, \begin{gathered}\text { BE CAREFUL OF DRRINKING SLOUGH } \\ \text { WATE. } \\ \text { Many a homesteader inder stress of }\end{gathered}\right.$
 especially in hot weather, so weakeme
ing, there should be kept on hand, some
brandy and a bottle of Extract of Wild Strawberries. Many attacks will yield to a meal of flour boiled in milk. The
following prescription has been recomollowing prescription has been recon
mended, but must be used carefully and according to the druggist's directions
Take Tc.Opii (laudanum), Tc.Rhe (rhubarb), Tc.Camph (Camphor)' Tc (peppermint).
The above ingredients are to be put
(the up in equal quantities. And the dose is
ten to thiry drops as needed according
to the severity of the attack, and can be graduated according to the severity of
the attack. Twenty five or fifty cents
worth of the mixture will do sonie time
 A dog about to become mad is out of
his natural sort." His character chinges;
his habits are anomalous; sometimes he is dull, sometimes restless, and at other
times he is over-excited or over-uffectionate These manifestations may succeed each
other in a munner to make the subject appear capricious.
These are already the symptoms of
and rabies, and the disease is alreas not as
tagious, although the animal is The essential characteristic of its nature -ivs sentiment-is pathetic. It is stil
invely and far from malfaisant against
familiar persons, and although it may sometimessuddenly become unintention-
ally treacherous, it often shows still more regard for
Its lickings are already dangerous, because the saliva is now virulent and
capable of inoculating the virus. capable of inoculating the virus.
Rabies in the dog is not characterized
by mınifestations of furor and ferocity at by minnifestations of furor and ferocity at
the beginning. It is by unnoticeable
transition that the patient arrives at the period of rabid frenzy, and as this is
ignored by dog owners it should ignored by dog owners it should be
thoroughly impressed upon them, for once anticipated the danger for them
and others would be lessened by chain-
ing up dogs on the appearance of the captivity would prevent the contagion
from being carried farther, as the affec ted animal could not then obey the
instinct of always running away from its master s home.
At the first period, that is, the initial ances of extreme benignness. The ani-
mal is not as yet aggressive and does isolate itself, preferring solitude and
bscurity. It hides away in corners o
the house, under furniture or in recesse
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 weather-wear. ${ }^{\text {a }}$ Guaranteed weather-wear. Givarananteed for 20 years wincoshawa" double-galvanized shingles
need no paint to outlast need no paint to outlas Make roofs fire-proo f too, - guaranteed
every, way you want every, way you want.
Cheap in first cost as commore durable than slate Sold under a written guarantee that really mean
something to the buyer


Tasy to With a hammer Easy to a snips, and horse-
put on sense anybody can roof buildings vanized Steel Shingles. They need no cleats. They Made in only one gradeof 28 -guage semi-hardened ented "Oshawa" way A


Lidhtning More than 100 farm proof, too damaged in Onby lightning tario alone last year would have been harmed if they'd been "Oshawa"'-roofed. These shingles insulate a build-ing-make it safe againstevery


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apples. small frutits and vegetables. Val.
uable local market in surrounding mining uable local market in surrounding mining
towns. Splendid climate and excellent
railway facilities Apoly to W. 0. Wright, Managing Director MIDWAY, B. C.

the joel abell engine and machine WORKS CO. Ltd.
Rebuilt Engipes in all sizes.
Rebuitt Separators $36 \times 506,16 \times 50$,
Write vs fer prices or achl and see the goods,


June 26, 1907
THE FARMER'S ADVOCATE
T E
he victim, while sleeping, apparently mains quiet, attentive, as if on gaurd, snaps at the air is if attempting to catch a fying insect. Sometimes it will hur menacing noises on the other side. But his instinct that causes it to snap a imaginary objects, to bark at itself or to the ferocious endinct the chain, ot the the hearing is over-sensitive to he least noise, but is enfeebled during the hallucinations.
In some cases there is intense pain in ng in that region. The victim is more affectionate than ordinarily, its instinct is augmented, and at certain moments in approach its master as if pleading will approach its master as it pleading
for relief from its suffering. This affection for its master is sometimes so manifest as to dominate the situation pear later, its master's voice may act a a say that the master is in no danger at this stage is saying what is not true because there are rabid dogs so unbal nced that they do not recognize the nasters.
The rabid dog is not hydrophobic; has no horror for water. As it is quite generally supposed that the disease doe ot exist in ogs that are seen to drink security with their rabid pets. When a rabid dog is offered drink it does not pproach the vessel and lap it, it wil t always swallows during the first tages of the disease, and until the constriction of the throat renders degluti
tion difficult. The attempts to drink are no fewer and the lappings are so much animal dwells ineffectually in the act Rabid dogs are so little afraid of water that they wrll actually swim rivers.
Although the rabid dog may not re fuse its food, and may sometimes even it may lose its appetite completely and withdraw from its allowance without tasting or even touching it. At othe the remainder by upsetting the pan, to
its evident satifaction. Finally, however, the appetite always becomes
depraved to the extent of lapping its urine, its feces or the feces of man or o
other animals. At the same time it will seize with the teeth, tear, crush and swallow all manner of objects-the litter covers, carpets, curtains, slippars, chips stones, glass and in fact everything it encounters. If tied in the kennel it will city as to break its teeth.
Slobbering is not so abundant as the popular prejudice would have it, and it
is an error to suppose that rabies does not exist in the absence of this symptom
The salivary secretion is ordinarily more abundant because of the irritation of the eign bodies. THE bark of the rabid
characteristic. It is generally altered, and one fam
iliar with its normal intonation can affirm that the dog is rabid. Commenc a very singular howl of five, six or eight tones, each more elevated than the other
During the howl the mouth does no completely close as in normal barking
One symptom, the most characteristic
of all, is the of all, is the impression made by the
sight of an animal of its own species sight of an animal of its own species,
which is frequently so pronounced as to immediately provoke a paroxysm.
A dog that remains mute, found roam ing about in a strange locality without master, should be her in catching it; an one that persistently bites some parts o its body in spite of the pain thus inflic ted, should likewise be held, pending
developments. Often, at the beginning developments. Often, at the beginning
there is a nervous prurigo where the
vict tim bites itself under the influence o unbearable itching. It is said that a the
und he beginning of rabies the initial bit ident sensa

## Four Cows Will Earn You MORE Money Than EIGHT Cows Earn You Now

Tell me to show you how to get over thirty dollars a year more out of each cow you keep. Make me prove that four cows AND a Capital Separator will actually earn you - more, PERSONALLY -more money in cold EIGHT-cow herd and no Capital Separator. Don't take my say-so for it. in your own bourself up can't be done be done, and I can PROVE it to you in a practical, hard - sense fasinon, with figures and facts that you won't want to dodge. Write to me and see.

## ©

Let's get the thing clear to start with. Here is what I say I can show you: That with four good cows and my method of separating, making butter-and selling butter-you can make more money in one year than eight cows will make you without my method.

## (3)

If I do that, -if I do show you a difference of over thirty dollars profit a year on every oow you. I don't want a cent of your you are satisfied that I have your money until word I say and everything I made good every want to sell you a Capital Separator until you ask me to - I shan't importune you, nor bother you. All I want to know is your name and address, and how many cows you keep I get thes : facts, I'll tell you some things you haven't heard before. I'll show you not only why you need a Capital Separator, but why you can make more money by my method of selling butter than you'll make any other way. It won't be all separator talk I'll talk to you, you've read reams of separator argument, but you haven't heard yet about the right way to


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Farming
District loorested in this country, or
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covered with dust. $\begin{aligned} & \text { duch is blue an } \\ & \text { Soon the posterior exities and the } \\ & \text { jaw becomes paralyzed and death super }\end{aligned}$
venes.
It is said that healthy dogs posses. an
instinctive perspicacity through which
instinctive perspicacity through which
they ussect the existence of trabies in
other animals of the
ever true this of the be species. How- it cannot be
denied that all dogd bo it
denied that all dogs do not man ifest such
terror, as some dogs will bite rabid ones
when shut un to
symptoms of dumb rabies.
The symptoms of the initian

 astonishment, and nothing will enlive
the animal nor brighten up its expre
sion. The pationt is not ferocious;
the
the contrary the expression is that
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results not in the non-virulence of the
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hich then becomes dark blue in


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## Trade Note.

 a large increase of tusis. ${ }^{\text {and... reports }}$
corresponding period last yeas over the corresponding period last year, Almost
without exception those who
tenew
 cateont two theings: it shownows the confi dence of the people in the Hail Insur
ance idea. and $i t$ at
also indicates
 triets of Western Canadal. There can
be no doubt whatever se no doubt whatever of the value of
hail insurance. It protects from risk: enables the farmer protects from risk
niurcil to mact has his crop face the world upon a square basis, and the fact that the western com-
panics are this year reporting an of the people and encourages belief in ture in this of industry and agricul-- this country.

A sroup of workmen were arguing duri, the dinner hour. A deadlock
had ween reached when one of the men on the losing side turned to a mate debate; he said, 'Bill,' huring the a argyment. Wot s your a-going to say,' said Bill.

June 26, 1907

## TOO MANY BIG WORDS

 EX-Gov. W. D. Hoard, of Wisconsinred hot-shot into the ex panding long wordiness of the scientific agricu
gathered in Lansing, Mich., twenty-first annual convention of the American Association of Agricultura
Colleges and Experiment Stations speaks with a tear in his voice and a so in his eye, but there is a grim humo with laughter before he got through Among his points were the following "The farmer is the objective thing in
agriculture. We must get at him Once had an old German farm hand whom I asked this question: ." 'What is the matter -ith round?'
"In his broken German he told m
there was not enough humus in ground. In amazement I asked him where he learned that. He said, 'I
school in the fatherland when I school in the fatherland when I was
little boy, ers things like that. We are studyin to get at the farmers. I don't expect to do much with the farmers of the present.
Thev are like the old rustic, who with They are like the old rustic, who with
his boys was looking at a sick horse: ". 'Tain't no use,' said the old man no , use givin' him physic, his eyes is "Our old farmers are too set in the
ways. We must get at The boy is the farmer of to-morrong one I want to reach. ve want to be careful about the terms - Extension Work in Agriculture, I read can't extend agriculture. You can't What vout the land to double size agricultural knowledge. Say what yo "When you shove 'agronomy' you unsuspecting phove 'agronomy' on the culture' they don't know what to dd with it. We must a void this tendency to bring in such big words as to make
agricultural schools alien. "When I hear what the farmer has to But when I hear what a lot of scientific people using long names have to say about him I feel a heap of sympathy fo the poor farmer


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