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# Che Farmers Yfdvocate <br> "Persevere and Succeed. 

Vol. XLI.
LONDON, ONTARIO, JUNE 28, 1906
No. 718 EDITORIAL.


The Automobile Nuisance.
it of the fow, or the convenience, pleasure and
saicty oi the many? From the standpoint of equity, there is justification for the most stringent regulations that can be adopted. In the udgment of good legal authority, any constituional objections could be made to yield to the
demands of wisdom. The two points theref in considering the subject, are expediency practicability of enforcement. By expedience and simply imply that if there is any inherent in the auto, if it has come to stay, if it is the precursor of a modified horseless vehicle that will prove a common boon, and if we must recognize it sooner or later, then it would not te wise to apply unnecessarily drastic measures in its regulatio
Practicability is the principal snag we en ounter in considering proposed amendments to the present law. It has been proposed that cer when it would be unlawful for motorists apart the roads. One man mented that ims tired fathers who would not attend impious o not feel safe to allow their wives and daughters to go, and so all stayed at home. He thought that it would be a good plan to reserve 9 ough o $2 \mathrm{p} . \mathrm{m}$. each Sunday, and one or two market days every week. This, of course, would meet the very strongest opposition from the motor interst ; no doubt the Ontario Government thought Bill. was going as far as it dared in the recent further they might find hard to say how much by a sufficiently suggestion has been that municipalities Another empowered to restrict motor vehicles should be roads, these to be conspicuously indicated To this it is replied that farmers along the roads prescribed would find the nuisance very much aggravated, while on the other roads a sense of alse security might lead to accidents, and punishnent in such cases would be rather unsatisfactory t would also be difficult tor accident or death. dark the roads which indicate clearly after nitted. The whole problem is a vexing were perny correspondent who can offer practical but gestions how to improve matters, will find ting sugThe Farmer's Advocate" a sympathetic audi arty support. In the meantime, we will lend it tario is concerned the meantime, in so far as

## Stop the Trade in Western Horses

in trade in horses going
ns time to have
n someone brings
Western bronchos. which are distributed through the country to
those who are willing to try the chance of getting
better value in horseflesh brought from a country which are distributed through the country to
those who are willing to try the chance of getting
letter value in horseflesh brought from a country where horses are exorbitanlly high than could be ably more moderate. That some are consider, and that nearly all halebone, we do not all o od ones are liable to find be sold on speculation, But human nature is $t$ happens that many rustworthy beasts, and there no risk to any ould be no call to put is fatuous business is native horses. Every

THE FARMER'S Advocate and Home Magazine.
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THE FARMER'S ADVOCATE AND HOME MAGAZINE is publisbed every Thurscay. (52 issues per year It is impartial and independent of all cliques or parties, , , andsomely
illustrated with orignal engravings, and furnishes the most practical, reliable aido proftabate information for for formers. doast
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-. WE INVITE FARMERS to write us on an new P. $\begin{aligned} & \text {. addares }\end{aligned}$



 ndividual connected with the paper.
dress - THE FARMER'S ADVOCATE, of
been an outbreak of glanders or mange st point or other, and invariably it is traceable
a carload of Western horses. Little is said about
it in the press, for fear of prejudicing our foreign exceedingly vigilant, and promptly rounds up every case, slaughtering, with partial compensacion, in the case of glanders, and quarantining and supervising compulsory treatment in the case of mange, so that in every instance the disease is promptly stamped out. The cost of inspection and compensation, however, is a public tax. For instance, a case of glanders last winter, in the
neighborhood of Atwood, (1nt., necessitated the slaughter of 41 head, of which nineteen were
Western horses, the others having been infected from these, and the money paid out as two-thirds owners sustained a further loss of $\$ 1,500$ or more, making a tesh does not permit a payment of more than $\$ 100$ on a horse, the owners of some pure-bred Clydesdale mares lost over half therr value. eeling in the after the glanders had broken out, he would have stood a good Other cases are liable to occur at any time, as most or human hife from glanders, which man. We believe it is time to do a little plain speaking, in the hope of stopping this foolish
trade, which cannot by any possibility he an economic benefit, but is subjecting us perpetually o unwarrantable risks, and introducing a class perpetuate their imperfections of form and traits of temperamen
feve that the Dominion Government would be sus tained by the best judgment of the agricultural
and live-stock community in flacing an embargo
upon the trade in horses between Western a Eastern Canada, since, apart from the risks
disease, there is no advantage of any account disease, there is no advantage of any a
either East or West in its continuance.

## Our Cheese and Butter in Britain.

 miss evidence of Mr. J. A. Ruddick, Dairy Com missioner, before the Parliamentary Committee the want of proper facilities on the docks at Liverpool, England, for handling Canadian dairy products, has evidently touched the Dock Board on a tender spot. After some peliminary dissent from the way in which Mr. Ruddick made public his complaints, the Liverpool Journal of Commerce practically concedes the case as made out, and that Liverpool is losing Canadian trade inaction at proper facilities. In the face of the been spending large sums in providing cold hav age of the most approved character cold sto butter and cheese immediately on being landed from the ship. Last year the Londton docks reof butter more than the previous year, while Liv epool recorded a considerable decrease. Both perb facilities for discharging their cargoes at the London docks tol, a great bid is to be made for Canadian trade at the immense new docks being ereated at acost of $\$ 30,000,060$. The Journal of Commerce in effect tells the Mersey Docks and of Commerce that the time has come when they Hust Board that the time has come when they must provide tween the Canadian producer and the British conThe foregoing indicates very clearly how large the dairy products of Canada loom in the important food trade of Great Britain. Practically Carada controls that market for Cheddar cheese and, in conversation with the writer, recently, Mr.
John R. Dargavel, M. P P John R. Dargavel, M. P. P., of Leeds Co., Ont , reiterated his conviction that the time had come
when Canada should fix the price of her cheess when Canada should fix the price of her cheese,
instead of having it determined in the Old Country for us. Last year we sent Great Britain 87
per cent. of its Cheddar cheese, the other 13 cent. coming from the United States and Nerv With regard to butter, the position of affairs
different different. Ireland, it is estimated, sends yearIn all, Great Britain imports about $\$ 100,000,060$ worth of butter, of which Canada sends only
about $\$ 6,000,000$ worth about $\$ 6,000,000$ worth. Apart from Ireland,
the Danes are still our greatest competitors The the Danes are still our greatest competitors. The there is little Canadian butter to be secured. Experts say that there is very little secured. Exry butter $\begin{gathered}\text { butter and the best Canadian cream- }\end{gathered}$ the Danish product is its remarhable uniformity, heen brough about by co-operation at has tarely slage of the industry. Most of the work fone
in Ilenmark is the result of private initiatice, the aid than is generally supposell. leas forernment agricultural high schools train a larew, and the

[^0][^1]A Prominent Breeder on Hackneys. breeders, Mr. F. W. Buttle, who owns the famous sire, Rosador, twice champion at the London -breeder an intervie on the subject of Hackney breeding, which, as it expresses the opinion of a breeder in the front
rank, we reproduce: "My idea of a Hackney," he said, "' is a horse short legs. We hear a good deal about increa ing the size of the Hackney, but if this is done by increasing the length of the horse's legs, it is
a great mistake. I do not advocate breed, ing hand horses, but if we Hackney breeders aro Careful what we are about, we are going to los
Hackney type, and if we once lose it wo shat never get it back. When we get to 16 hands we in
ne whe the greatest importance to good shoulders Gac Aiding shoulders are essential for the saddle horse.
$\qquad$
$\qquad$

Stopping a Puller.
$\qquad$
$\qquad$
shoulders. Keep the collar fiem. . mon hat
closefitting, and bathe the houlders at might in
cold water-all of which acts as against galls.

-     *         *             * only good one they some mares is fremmently the form, athe arly worked. The seconding season she s recuduty of nursing and carrying a foal the doulble duty of nursing and carrying a foal. sha. is left to the and not fed grain. In the follow ne winter ar. andes on chaff and screenines. wist onsequence then


JUNE 28, 1906
THE FARMER'S ADVOCATE.

Care of Yearling Colts. depends a good deal upon their early environmen Colts usually make good progress during the firs half year of their lives, and if they are kept go
ing during the late fall, will pull through the firs winter in fairly good fit. But with the coming of the second spring the yearling is launched up-
on a crucial period. It is usually during th on a crucial period. It is usually during the
second summer that habits are contracted and the foundation of the future horse is laid. $\begin{aligned} & \text { Good pasture and good fences generally } \\ & \text { healthy development and good manners. If the }\end{aligned}$ healthy development and good manners. If the quired to satisfy hunger's cravings, the colts will become restless in disposition, and will not make
sufficient growth of flesh. and if tho foncer weak, they will not be long in learning the halit
of breaking bounds. Horse-raisers are often disappointed with the
results of the first month's grazine in the results of the first month's grazing in the ispring,
largely because the grass is soft and the change
from winter feeding too sudden time some good horsemen practice feading trais
until the grass becomes more matured and times of htgh prices for horses, such as the presPure water, and plenty of it, is also an important
factor in the raising of yains factor in the raising of young horses.
Later in the season, when the grass becotnes noyance the benefits of shadies will be much mual an-
preciated. Most pasture fields contain a fow trees, and where the shade of these is not avail-
able, it is time and money well expended to build
a rough shed, where the colts a rough shed, where the colts can escape from the
heat of the sun for a few hours in each day.

This is the day of the three-horse team. The

## LIVE STOCK.

## Shropshires at Shrewsbury.


thus prevented from winning the Mansitl Memorial
Challenge Cup, offered for the best ram, as hi (hallenge Cup, offered for the best ram, as he
was justly entitled to. However, Sir Richard
(woter's Hole real good ram, and he won both the class prize Mrs in the vearling ram class went to Sir P. A.
Muntz ior a ram of good scale and style. Mr.
Victor Cavendish took fourth honors with a poodtheced ram that stood out well, but was lacking owned hy Mr. M. Williams, was one of the right hardly forward enough to win, he will unquestionThe second winner in the old sheep class came from Mr. T. S. Minton, the third from Mr. A. S .
herry, and the r. n. from Mr. Victor Cavendish. The class for pens of three yearling rams made
a Wery superior entry. The wimning pen, owned
h. Mr M Williams, was correctly olaced Thev won clearly, were wonderfully well matched, most typical of their breed, with good coats and skin.
Sicond honors went to Mr. F. Nock's pen; rather tmore size was found in these sheepl, They wer
however. not quite so good to the touch, bu
went to Sir W. Corbet. This trio were not quita
it may also be stated it had very good quality.
Sir I. P. Cooper's real good and well-matched pen of excellently-fleshed ewes had to well-matched honors, and were preferred by some. The same
breeder was third with anothen pen the quality of flesh of the former pen, but did not match so well. Sir P. A. Muntz wes $r$ did with a pen of good ewes, three of which will take a lot of beating in any company. The Exors. of
the late Mr. P. L. Mills were h. c., and Sir W. O.

Alass specially fine pen of ewe lambs won in that lass for $\mathrm{Mr}_{\text {r }}$ T. S. Minton, his fourth annual conNock and Sir W. Corbet were second and third. The class for field yearling enves was third. All its entries, eight in number, were commended. Messrs. J. Barnet, J. H. N. Walford and Sir R.
the order named.
The exhibits in the district classes were very
good indeed. The yearling rams shown singly had for the leading winners the Duke of Sutherof W . Nevett were first and $r$-yearling rams, the Exors. of high meverit were first and r. n, with two pens of sutherland came second, and Mr. F. Fibe Duke
ond third The Duke of Sutherland won for ewe lambs, In the ram lamb class Mr. Walford won first with a very choice pen, indeed, the Duke of
Sutherland and Mr. C. T. Pulley were second and third. The open classes were judged by Mr. J.
F Farmer. Felton es by Mr. R.F. H. White, Ballacola, Ireland class


Childwick Champion.

Legislative Control of Concentrated Feeding Stuffs.
In recent years the use of concentrated feeding
stuffs has become the general practice among the has shown that better results can be extained this way. Hay, roots, corn and ensilage form live stock that make up the bulk of the food for live stock, and supply all the starch, sugars and
libre required. They are, however with ception of clover and the other legumes, deficient digestible protein (nifrogenous or flesh-form ponents (starch, etc.) are in excess of the animal's capacity for assimilating them, and are, there
fore, to some extent wacted chasing sy-products or commercial fceds in to sup-
plement home-grown feeds. plement home-grown feeds, the keepers of live
stock should bear in mind that the value food ordinarily depends, to a very large extent, tains. At present, the price asked for catte bears very little relation to their feeding value : whether it is rich in protein, and well puited ton supplement our ordinary farm feeds, or whether
it is a starchy food, and, therefore, of much value in compounding a suitable ration for cattle. Such being the case, special care in the purchase
of feeds, and some knowledge of their chemical composition, will be found of paramount imgreatest profit. Economic purchase, therefore does not imply the purchase of the lowest-priced
feeds. Many of the waste products of our mils feeds. Many of the waste products of our mills
purchaser should know what they are, and what How many of stanars, beeking for etc good concentrated feeding stuff, and seeing a particular brand advertised, have been compelled to inquire of their neighbors, or of the vendor, what is value as a food really is, and to accept the information thus gained as, at best, only the
opinions of those concerned. Seeing this is so the question arises, Is there any way whereby the vendor might have definite, reliable information concerning each and every brand of feeding The Experimental Unio
cultural College has daid this matter before the Minister of Inland Revenue, who appointed as a committee to draft recommendations, Mr. Shutt tawa: Mr Central Experimental Farm, OtRevenue Dr. Macfarlane, Chemist of
Two methods of dealing with this matter sugstandards be fixed for the various classes mercial feeds; second, that manufacturers or vendors be compelled to label each package with the tein and fat if sold in the percentage of promand a guarantee of the per cent. of the two con-

Regarding the former suggestion, it wa thought that the fixing of standards does no exactly meet the case, for, as shown by analyse mental Farm and the Ontario Agricultural Col lege, the percentage of protein and fat varies
widely, even in the same brand or widely, even in the same brand or class, and an act purporting to do so
and an act purporting to do so
could at best only mention a
minimum limit. minimum limit; and, there-
fore, various feeding stuffs, though differing widely in natural composition, would stand on equal footing in the
eye of the law. provided the eye of the law, provided that
they tested above the minimum limit of protein and fat and, therefore, there would
be no inducement acture a superior to manu a given class. In fact, there duce all to the minimum limit $f$, however, the second suggestion were followed, the purchaser would be able to
judge at once of the relative values of the various brands ould, in most instances, purchase the article of higher quality, the inferior ores
would naturally drop out of the market. The committee also recom-
mended "that a comprehenive collection of the concenDominion be made at an early date, including condimental date, including condimental
foods, linseed meals, gluten
cotton-seed meals, etc. We feeds, gluten meals, that samples collected analyzed, and that the results be published in bulletin form.'
full, and the information has been acted upon in letin No. 16, Laboratory of the Inland Revenue Department, Ottawa.
The committe was further of the opinion ". that bran, shorts, middlings, the whole grains and meal produced by grinding any one grain should under guarantee," as the those feeds to be sold arairly constant. It may be objected that they think, already covered by our Adulteration we Foods Act, R. S. V., Chaps. 24 and 26. ready enacted laws for the reculation have alof concentrated commercial feeds, and of the sale me that public opinion in Canada will not ons sapport, but demands legislative action on the part of the Government.
Ontario Agricultural College. W. .

How the recent revilations of conditions in Stocago packing plants will affect the Canadian whole, it may be rather to our advantage. On the to all othealth of the people must be paramount American meat-producing , and, in the end, the because of the exposure the up, and the more thorough official inspection.

Experiments at the Michigan State Agricultural used to good advantage in the tankage can be on matching as the other two, nor did they take
on well ; but no objection could be taken to their A well-hrought-out pen was that which won
r. n. for Mr. T S. Minton. It may be mentioned r. n. for Mr. T. S. Minton. It may be mentioned
hat Mr. M. Williams won the Pettifer Challenge chow. The r. n. for this honor was sir Richard
cooper's grand pen of ram lambs, firt in their
hass. The F.xors. of Mr. P. T. Mills came in second, Mr. E. Nock third, and Sir W. OCorbet In the excellent class of vearling ewes, Mr.

## THE FARM．

Soil Drainage：Where and How to Drain． Editor The Farmer＇s Advocate＂：
All lands that produce crops satisfactorily must be drained． are drained by nature．When the subsoil is open，
allowing the excess without the soil being saturated for several day after each considerable rainfall，there is no neal of artificial drainage．We may ascertain whether a soil requires artificial drainage by a whether servation of its physical condition in spring，the growth of the crop，and the amount of matured water－table is above the root－zone at any time oi the year．Where the water－table is above the
root－zone during a considerable part of the suring root－zone during a considerable part of the spring， turned，presents a furrow with a very wet，shiny turned，presents a furrow with a very wet，shiny
surface，is in need of drainage ；it is water logged．A soil of this condition is impervious $t_{1}$ tion air，is of low temperature，is not in a condi
to use of manure or any fertilizer plied，and is in very poor physical condition． germinating，and on which the growing crop is patchy as a result，is in need of drainage．The
crop on an undrained soil will present a sickly crop on an undrained soil will present a sickly
and yellowish appearance，clearly showing a nee of drainage．We often observe that the snow is long in melting on a particular field，or on a par
of a field；this indicates a lack of proper drain－ of a field；this indicates a lack of proper drain－
age．A growth distinctive of wet，undrained soin
is such weeds as lady＇s thumb，horse tails，mosse and sorrels．We may be safe in saying that heavy clay soils require to be drained under any circumstance
Artificial

Artincial drainage may be effected in two ways systems may be made effective，and may be mad so as to ensure so much of the good that w
accrue from a drainage system．Let us now coll accrue from．a drainage system．Let us now
sider briefly the two systems，that we may sider briefly the two systems，that we may
able to ascertain satisfactorily which system would be expedient for a farmer to adopt in a
soil he may be thinking of draining soil he may be thinking of draining．A great
area of the cultivated land of our Province to area of the cultivated land of our Province to
day is served by open drains，but I do not thin this is in any sense a point in favor of ope，
drains．This system was the first used by the early farmers，and is being rapidly uspplanted
underdrainage．For a farmer having of land on his farm requiring drainage，and ar so situated that he can instal a system of unde
drainage，surface drainage may be made to answe drainage，surface drainage may be made to answe
very well． expended．However，open drains are seldom ad－ vised，as they have many disadvantages．They
take up considerable space，and，moreover ofte take up considerable space，and，moreover，ofter
divide land into tracts of inconvenient share，an divide land into tracts of inconvenient shale，ant
interfere with the moving of warons machinery，etc．They often berome the location of undesirable wild herbage．They usually cost
more to dig at first，besides costing considerable more to dig at first，besides costing considerable ment．In any case，open drains a
fective as a system of underdrainag
Fxperience has shown that the best methot
of underdrainage is tile drains． of underdrainage is tile drains．By this method
trenches are dug at about an average depth three feet，and circular tile one foot in length are
laid in the trench，thus forming a continuous laid in the trench，thus forming a continuous
channel through which the water passes．The the drain is all carried to another underdrain which carries it to an open drain，or may be car ried at first to the open drain，and away．The water，as it passes water is removed，other water of the soil takes the place of that removed．18y this method of drain－ age there is a continuous movement of the water
in the soil，the upper water taking the the lower as it is removed．This process does drains remove water from below their level，but the soil
tension．
tension．
To secure an effective system，the drains should
be laid near enough to each other that the effe t
of one drain will reach that of the next．In laying drains，proficiency can best be acouired
through experience．On planning and carrving to completion a system，much has to be taken into consideration to gain best results．The contour of the land must first be studied，to ascertain a
rilan of the system，and to gain best outlets．and Wlan of the system，and to gain best outlets，and
ohviate the occurrence of unnecessary short bends
and the use of unnecessary
can intelligently determine
should be placed from the
should be placed from the sur
soils，while one evstem will be as offective as the
other．There is no improvement that will give
better returns for the labor expended and finan better returns for the labor expended and finan－
cial outlay than the drainage of rich soils，and oo obtain hest results，we should carefully soils，and so adapt the system of drainage
these needs．

## Why we Advocate Lucerne．

$\qquad$ $\mathrm{i}_{\mathrm{n}}$ which we have been talking up lucerne or al ialfa for some time back．They may desire to our staff have had experience with it．The pres－ ent writer，in particular，has been advocating hat it did best，held the pround longest，was les liable to be winter－killed，less liable to be crowded west browth on the clay hillsides．We had noticed hest growth on the clay hillsides．We had noticed，
also，that those who had lucerne spoke highly of t as a feed．We knew it was a legume，and there－ arm rations were rather deficient in the elements


Top View of Smorthorn buu．
hillsides in regular rotation．They took the big－
gest share of the manure，required the most lator gest share of the manure，required the most labor
frequently upset the rotation，by reason of failure to secure a catch of clover，and，withal，were of clay became largen in arua that the patch sirability of seeding these hills．The great de
would keep them from crop that necessity for manuring and cuitivation，and yiel forcibly the longer we thought about it．Lucer It more than fulfilled expectations in ever enthusiastic over it every year since．The
last of May this year we visited the old home－ stead．There was one piece in particular， east side of a field．It was sown five years ago
on a corn stubble．The ground was worked up well in the spring，and about twenty pounds of spots were a little yellow and sickly．It often so the first season．Over these sponts we scat－ the kitchen range．The growth was clipped with the mower once or twice the first summer，
nothing was harvested，and no stock was
lowed lowed on it．Since then three crops a
been cut from it，until last season．

Othy，and on which they do decidedly better．Wi．l．
cured lucerne hay makes milk of almost ．Whin
color．Not a particle of manure or fertilizer has cured lucerne hay makes mink of almost ，whe
color．Not a particle of manure or fertilizer has
been put on this field，but at the time of ．．．m
visit，May 28th，every square foot of ground was covered knee－deep with a dense growth，as gow
as or better than it was the second and third sea－
sons．It comes on first thing in spring，and
thrives in the driest time of summer，its ronts thrives in the driest time of summer，its，roil moisture and plant food，while the bacteria it
little nodules in the roots are continually stracting nitrogen from the air，to enrich othy parts of the farm by adding to the value of the
manure pile．Other land has been seeded on the same farm，and wherever there is a clay hillsule it does well；on the loamy soil it is subject to winter－killing．It may be asked why lucerne
prefers the clay hills？Because there it tinds
abundance of the mineral elements of particularly potash．Nitrogen it takes from the
air．The hillside location also ensures that no
water will stand about the crown of the plant
wat．


Cultivating Two Rows of Corn at Once． lisant co．，Ont．．，was an old－fashioned spring－
tooth cultivator，arranged to cultivate corn．ita crop and as a feed，so that ho io ancious to
yet omem som．and ans little difficulties he may
meet hell find a wavecombines We do nomow on any crop which combines more strong
advantages with so．dew disadinantages．
Every
farmer who can grow it should have from five to
enty acres，Sow it on the stinest llay hill－Cultivating Two Rows of Corn at Once
vators．It lacked guards to progular corn culti－
and the herefore it was ills，
and tose to the done to the rows as might otherwise have been
$\qquad$
$\qquad$ us－and two horses were snaking this cultivator
through at a great rate．What a contrast from the old manner of trudging twice through each
space with a onethorse scuffler

Advantages of the Split－log Drag．
$\qquad$
Isem here with the greatest interes．and aill this
menlurions stated atove hanc
time and again Led above have bleen enerroboratedpace with a one－horse scuftler．In economies

THE DAIRY.

## Keep Up the Milk Flow.

## and brown on pastures will be getting

favored with an exceptional season. A A prent
of cow energy will fighting flies in the blazing sun. Some dairymen make a practice of stabling heir cows during the midsummer days, letting them out into the pasture at night. Many, ho the majority, it is perhaps a doubtful econom,
There are few herds, though, which would not pay There are few herds, though, which would not pay
better profits if a little extra feed were furnished better profts in a iever tried equals lucerne for this purpose. It may be cut daily and carted to the
stable or thrown over into a field or paddock, and purpose. thrown over into a field or pardlock, and
stable or the
our experience is that it is eaten with scarcels. any waste. The immediate results in the milh pail are encouraging, and it cannot be too strong-
y emphasized that a sustained milk thiw gons
ar to prolong the milking period, and the protits
$\qquad$ maintaining the milk flow fairly satisfactor, Another good supplementary feed is green wheat
or oats, and when pastures are short it pays hetor oats, and when pastures are short it pays het-
ter to cut a portion of the grain green than th
let it all ripen and thresh it. Particularly if make milk out of it. Lodged grain not only fails
to fill satisfactorily, but frequently smothers young clover. Mowing the crop for green f.ed
gives the clover a chance, and prevents a pratch of weeds in. next year's meadow. Too many They feel as though so much grain or hay wore
disappearing down the cow's muzzle, and nuthin nsserts ever come of it. A traditional convictio to get in summer, and if the season is dry and monious than ever. They are not aware that pasture yields the least nutriment per acre of any
crop. An acre allowed to grow a crop of hav will afford sustenance for a cow nearly three times Theng as an acre pastured in the ordinary way.
$\qquad$
$\qquad$
$\qquad$

Canadian Record of Periormance
Editor "The Farmer's Advocate ":
In regard to the passing visitors referred to in
your welcome letter, I must say that the appear- keard is no criterion of our district, because the large timber was culled several years ago, and
the clay there is somewhat light in color, But from the white clay occurring through some sect the County of Middlesex, where I was raised, on
of my chief fobs when we were seeding was th wield a heavy mallet or maul and pulverize thoste
white clay lumps with great force. My father high state of fertility by manuring them heavily but this white clay occurring in the vicinity of
New Liskeard is altogether different, in that it will perverize 1tselt, and, in actual experrence, grows
crops of all kinds. Some of this same white
clay, one mile and a half north of New Liskeard. clay, one mile and a hal grew the wheat that took and also at Glasgow, Scotland. New Liskear, is situated in the Township of Dymond Asou proceed ceive the clay getting a richer color, and continuing richer-appearing through the Township of
Harley, the next township north being Hilliard This is my favorite township, heing my home. am sending you hy to-day s mall a sample of Tray
loam from the higher land of my farm. The
soil from the lower. or "' break-off '" land is darker soil from the lower, or break-off land is darker clover and timothy, and also a smaller stalk timothy from seed sown on the 10 th October 1905. The object of sending you these plants is
to show the strength of our soil, notwithstand ing its appearance. and strong, unsurpassed, if equalled, hy the rich at sample of Siberian oats, grown in Hilliard, on the farm of Mr. Frank Coutts.
clover received from Mr. Edwards in good condition, bear out the observations made
ter. The samples of clover and tinlot ter. The samples of clover and timothy are re
spectively 18 and 20 inches in length, and the
stalks stalks of timothy sown last October had alread attained a growth of over $7 \frac{1}{3}$ inches. $\begin{aligned} & \text { The oats } \\ & \text { are clean and plump, and a credit to the soil }\end{aligned}$ a and methods of culture in vogue in Northern On-

## Plowing Alfalfa Sod.

$\qquad$ utmost. It is much harder to plow than clover plow strongly ior afranfa stornur a valing should be provided with two steel shares, cne of while the other is in use. The plowman sloould also be provided with flat files, and at intervals out of the ground and file the edge of the share sharp. There need be no time lost while he doing this, as the team will need the rest, and it
takes but a few minutes to bring the share to an edge if given this frequent attention.
Besides this, there should be affixed to the landside of the plow a wing running flat in the bot tom of the furrow, and extending out three inches
into the uncut soil. This wing cuts off the roots of the edge of the next furrow to be turned, sit
that the plow will only have to contend with those farthest away from the edge of the furrow
and firmly fixed in the soil. It aids immensely and firmly fixed in the soil. It aids immensely
to use this wing in ease of plowing and steadiCo use this wing in ease of plowing and steadi
ness with which the plow runs. It should not run squarely back from the bottom of the land-1
side, but diagonally, so that roots will not catch side, but diagonally, so that roots will not catch
on it and make it throw the plow out or draw on it and make it throw the plow out or draw
badly. With the best of plowing, one will hardly Cut all the roots, and if the season should
moist one, there will be a grood deal of growth Trom roots that are cut off and turned under
This need not alarm the novice, for these plants This need not alarm the novice, for these plants
will not make a vigorous growth in the succeeding crop, and do no apparent harm.
The best crop to follow alfalfa is corn, beets or potatoes. Small grain is apt to lodge, though
in a desert soil, as in Utah, where the writer once in a desert soll, as in Utah, where the writer once
lived, grain had refused to grow at all until plant-
ed on alfalfa sod, when it yielded as high as 60 bushels per acre, with irrigation. Likewise, in
Colorado, it was thought that potatoes could not be profitably grown until some one tried them
on alfalfa sod, when they became a staple and
very profitable crop whole train very profitable crop, whole train loads being sent
from about Greeley to all parts of the land. Corn on alfalfa sod will make a greater growth
$\qquad$
$\qquad$ sometimes take off two crops of corn in succe
sion, manuring the ground for the second cro
and at once sow back to alfalin with of spring harley. This is good practice, for th
$\qquad$
 on a field is more successful than the first. owing, TMKIXC Composime TFST SAMPIFS,
no doubt, to the greater fertility of the soll, the
ready inoculation with richt hacterian ready inoculation with right bacteria, and the buthe liefore the first sample of milk is poured it
hetter drainage. Owing to the decayed alfalfa
()n three days, alout the middle of each month roots which have thus made way for their suc nitwr weighing the milk, pour it from one pail th
cessors. The third seeding has proven cien bo - another twice, and while the milk is still in mo
ter than the second on Woolland Farm.
$\qquad$
$\qquad$
$\qquad$




The Rat Nuisance


## THE FARMER'S ADVOCATE

be satisfied with the returns this year from honest "pan"" and butter, and you have the weight of and weighed over 300 pounds; the treth mpasur
mille, but it seems that there are still a number butter in ench pan be a warning anxious to ret rich fast. Let this and allow to remain for $\overline{5}$ to to 6 ho . Then , mech nem maple woods years ago this watasur
the Instructors and makers. pleasure of visisiting the celebrated dairy had the pleasure of visiting the celebrated dairy farm of
Geo. Rice. Mr. Rice drove us around tha and we saw some of the finest corn and potato crops to be seen anywhere. His dairy cows are a fine sight. Some of then wer seen milked
and the milk weighed, several wiving from 30 and the milk weighed, several giving from 30 to
34 pounds at the morning's milking. Befor eaving the farm we were treated to a feast
strawberis strawberries and cream, and all agreed Mr. Rice
was a good fellow. Was a good fellow.
The balance of the day was spent at the Courtland cheese of cactory, which is spent at the
by Mr. Frank Travis. The managed their coats and went to work, and as the work was going on, details of making the cheese were
thoroughly discussed and worked out. It wac real pleasure to spend a few hours in such a well equipped and clean factory, To see Mr. Travis sight some of our Instructors do not see the a hey were better All leit for home feeling that hat it was ter able to do their work, and alson ant days they had ever spent. struction work, as the Instructors are able to do
more uniform work more uniform work after meeting and talking over
the work with each other, and other meetings will be held during the season. GEO He BARR,

## Determining Moisture in Dairy Products

$$
\begin{aligned}
& \text { dary products, especially in butter. We have } \\
& \text { been work }
\end{aligned}
$$

$$
\begin{aligned}
& \text { that it will stimulate further work by others and } \\
& \text { bring out practical experience by dairy workers }
\end{aligned}
$$

$$
\begin{aligned}
& \text { bring out practical experience by dairy worker } \\
& \text { (Incidentall, we may mention that the bottles }
\end{aligned}
$$

$$
\begin{aligned}
& \text { be used in Babock testers for determining moins } \\
& \text { ture, but which really }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ture, but which really did not determine mo moisture, } \\
& \text { but fat, in butter, we have not iound satisfor }
\end{aligned}
$$

$$
\begin{aligned}
& \text { but fat, in butter, we have not iound satisfac } \\
& \text { tory.) }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Finst. We had a steam oven, made by a local } \\
& \text { tinsmith, of the following inside dimensions }
\end{aligned}
$$

$$
\begin{aligned}
& \text { parts of the oven and allows a thernometer to } \\
& \text { be suspended in the oven through a cork, which }
\end{aligned}
$$

$$
\begin{aligned}
& \text { without opening the door. The oven is connect } \\
& \text { cd to one of the stean pipes in our creamery } \\
& \text { tinch pipe. There is a } \\
& \text { tingulating valve on the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Fahr.). There are two perforated movable rack } \\
& \text { in the oven, about three inches apart, and thi }
\end{aligned}
$$

$$
\begin{aligned}
& \text { bottom of the ove makes a third shelf. Thi } \\
& \text { oven will hold } 12 \text { to } 18 \text { samples. and requires } \\
& \text { very little attention. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { oven will hold } 12 \text { to } 18 \text { samples, and requires } \\
& \text { very little attention. The cost was about } \$ 5 \\
& \text { complete. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { For drying the samples, we purchase a dozen } \\
& \text { of what are called "patty pans." These pans } \\
& \text { on }
\end{aligned}
$$

$$
\begin{aligned}
& \text { are about } 2 \frac{1}{2} \text { to } 3 \text { inches in diamerer, and and }{ }^{\frac{1}{2} \text { inch }} \text { inch paty } \\
& \text { deep. It would be more convenient if all wer }
\end{aligned}
$$

exactly the same weight, but a person soon wet

$$
\begin{aligned}
& \text { to know the weight of each. We number the } \\
& \text { pans, and have the weight in grams marked on } \\
& \text { each for reference. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { each for reference. } \\
& \text { In sampling hutter from a churning, we takn } \\
& \text { to } 4 \text { ounces from different parts of a churning }
\end{aligned}
$$

$$
\begin{aligned}
& \text { To } 4 \text { ounces from different parts of a churning } \\
& \text { just before packing in boxes. If butter is a a } \\
& \text { ready in boxes. then dratw two or three tutres from }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ready in boxes. then draw two or three tutkes fron } \\
& \text { the tub or hox. The samples are rut in a tight } \\
& \text { ly-stoppered hot tle having a capacity of }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ly-stoppered bot having a capacity of about } \\
& \text { twice the volume of sample i. .. if taking a } \\
& \text { two-ounce sample-which is sufficient from : }
\end{aligned}
$$

$$
\begin{aligned}
& \text { churning oi } 100 \text { to } 200 \text { pounds butter, and } \\
& \text { in the same proportion for larger churnings, then } \\
& \text { nave foursonco compline bottc }
\end{aligned}
$$

$$
\begin{aligned}
& \text { have a four-ounce sampling bottle. This hot th. } \\
& \text { should have a rather wide opening for puitinu }
\end{aligned}
$$

$$
\begin{aligned}
& \text { und have } \\
& \text { samples ea }
\end{aligned}
$$

weigh, and return to oven for 1 to 2 hours, and steading, with 14 buildings, all told, including at
weigh again. If the second weighing is the same, inuilding he has recently completed
 evaporated. It is now a a water has been all honey, and also for a store-room. The idea mathematical social gatherings of beekeepers and persons
calculation to determine the percentare calculation to determine the percentage of mois- graged in other branches of agriculture, to discuss
ture in the butter, e. g. : Weight "apan," 16.45 in an intelligent, friendly way interest grams; weight ". pan ", and butter, 18.-78 grams; mon, as our friends in Norfolk interests in comweight butter, 2.33 grams ; weight " "pan" and to be commended.
butter after drying
noisture in butter, 18.45 grams; percentage

## More Fruit-growers Should Keep Bees.

 ance that will weigh to the second or third deci- fruit has long been the writer's opinion that mal place, although we doubt not that for ordi- fruit-growers ought to keep more bees than they a gram will be near enough. it is also better terially strengthened by a recent trip through to duplicate samples, and take the average. The of the best Iruit sections of King s counts We are working along similar lines for doter- The evidence in favor of beekecping was alongmining the moisture in curd and cheese, and hope two distinct lines, each of which is well worthy inakers a practicable method, whereby cheese- of caretul consideration, the afternoon, past hum-

## APIARY

A Norfollk County Apiarist's Homestead.


Nofolk Co. Beekeepers in C. W. Challand's Apiary.

then plowed down, and their prace is aiken If it is desired to propagate some special variet, but all beds should be plowed down after wo crops of fruit. The White Grub passes two years
as a grub, during the first of which it does far as a grub, during the first of which it does far
less harm than when it is bigger. The Black Vine Weevil, although not so long-lived, does comparatively little harm in new beds.
LEAF ROLLERS. -There are
LEAF ROLLERS.-There are several species by the name of Leaf Rollers, and which attack the foliage of apple trees during the month of June. The Eye-spotted Bud-moth has been ex of in Eastern Canada during the last spring, and both it and two other common kinds of leaf rollers can be controlled by spraying orchards regu-
larly with poisoned Bordeaux mixture-a regular larly with poisoned Bordeaux mixture-a regular
practice with most progressive fruit-growers
The dark-brown caterpillar of the Eye-spotited Pud-moth
dater passes the winter in small silken shelters on the twigs, and emerges from these about the time the
leaf buds burst, and does a great deal of harm leaf buds burst, and does a great deal of harm
by boring into the young growth, frequently de stroying whole clusters of blossoms. The true leaf rollers-small green caterpillars-come later. and are destroyed by the first spraying for the
Codling Moth. In the case of the Bud-moth, however, when it is found to be abundant, the trees should be sprayed, either with supplementary
spraying of poisoned Bordeaux betore the bens. spraying of poisoned Bordeaux before the blossoms
open, or where the usful practice is adopted of spraying trees whith useful practice is adopted of
solution solution, one pound in 25 gallons water : four ounces of Paris green may be put into every bar-
rel (40 gallons) of the solution BORERS,-For the prevention
mon borers of the apple, which sometimes do great deal of harm in apple orchards, I know of
nothing better than washing the trees at the be nothing better than washing the trees at the be-
ginning and again at the end of June with an ginning and again at the end of June with an
alkaline wash.
One which has given good results here is to reduce soft soap to the consistency of thick paint, by adding a saturated solution of
washing soda in water, and into this out one pint washing soda in water, and into this put one pint
of crude carbolic acid to the gallon of wash too thin for putting on conveniently with a whitewash brush, slaked limee may be added, till the
wash works conveniently wash works conveniently. If this is painted on
to the trees on the morning of a warm day, it will dry in a few hours and form a tenacious coating which is not easily washed off by rain. The application of this wash to trees in June pre-
vents the female beetles from laying their eggs on vents the female beetles from laying their eggs on
the bark. It should be used every year as a regular practice.
with insects in their orchards, I shall time troubled we glad to receive specimens, and do my best to answer enquiries about them. Such enyuiries and parcels of specimens may be sent FREE by mail.

## A Bonanza Story of Nova Scotia

 Orchards.The only community we have ever visited where the
farmers never ssem to tire of telling how much money there is in their business, is the Annapolis Valley, Nova,
Scotia.
Apples are the staple crop, and the orchards are cultivated, pruned, sprayed and cared for generally
in $a$ way that puts the average Ontario orchardist to shame. Soil and climate faver this refion, and theso
factors, combined with tuotodate orchard mancement factors, combined with up-todate orchard management.
result in splendid yields of high-class $f$ fruit, a consid $r$. able proportion of which is marketed by the individual orchardists, who ship on their own ancount to coml-
mission firms in the old Country. ized by growerr aro away in excess of those received formed co-operative shipping associations, in which hass, the returns compare more favorably with those obtainns1
by the Nove Sontins by the Nova Scotians. Some of the Annapolis Vall
orchards nee quite extensive. The accompanying hal
That
 President and Managing-Director, Ralyh $S$. Faton. One illustration shows a specimen tree in $n$ tem flock of Gravensteins, the variety which, ipurhap) moror than any other, has made Nova scotia orchards famuly
The other cut shows a view of a quarter-mille row Gravensteins and Kings, showing trees thirteen yo.
 foot Massey-Harris, and us
to suit the low-branching ground , also two spraying
work during May and June
(not used, tenmerally. outits consist of one-hundred-gallon hoesh hads. on 1. two sets of tripple nozzles on the end of gwarter-in. ron pipe. It can be seen how great is the advantate of the low wagon for stepping on and onf, and thacine
the cask on or off, and clearing the lranclies of or trees. The height of spray is either arranged by "1
Then on form in front of the cask. Spraying from the pround
mefefered always, when possible.
Bearing orchard in this distrit is commonly valuid


A Hillcrest Orchard Gravenstein.
at $\$ 1,000$ an acre, and the following figures, giving the J. F. Smith returns of nine orchardists in the district, show that, packing, barrels, and cartage, and $\$ 20$ per acre for the cost of plowing, harrowing, spraying, fertilizing, and
seeding to clover, which is commonly sown in July as a coding to clover, which is commonly sown in July as the average net returns for a period of five years equal an interest ranging from 12 per cent. up to 25 per cent. per annum, on a valuation of $\$ 1,000$ per acre.
Following are the tabulated figures: estimates of iteld and return from some

```
years. THE LAST FIVE
```



A Hillcrest Orchard Outfit
E. Smith,
Wolfille ............ $165 \quad$ 4t
4t
$\$ 2.12$$\$ 349.80 \quad 25 \%$ Arthur C. Starr
Starr's Point
(G. C. Miller,

$\begin{array}{llllllll}\text { Port Williams....... } & 117 & 9 & 2.25 & 263.25 & 15 \frac{1}{4}\end{array}$

| $\begin{array}{c}\text { Chas. E. Sheffeld, } \\ \text { Tpper Canard...... } 100\end{array} \quad 4 \quad 2.25$ |
| :--- |

F. H. Johnson.


As the country becomes older parasitic diseases and insects multiply, says a Maryland Agricultur-
rreat potato lands oi the West the plant grows
uxuriantly, and is but little injured by blight or
Insects, here (in Maryland these often cause the
loss of one-half of what the land would produce without them. And we have become so used to
this loss that we do not see the damage and this loss that we do not see the damage, and


## Cover Crops.

 "Cover crops benefit the orchard in manythe most important being in taking away
the trees water and plant food. so that
 hefore the Nova scotia Farmers. Association We have found crinson clover, sown at thi of pounds per acre, ote of the very best
for this purpose. And it has proved satisian not only in the experimental orchard at Wolf
but also in our model orchards in all part
the the Province Summer vetches and huckwheat
also good, and where couch grass is troubleson the last matined and rape are verhaps the the best plants to use for cover crop, as they help
ont the couch sy smotherimg.
 Fruit Exhibits for Dominion Exbibition. Missioners of the Dominion Frowers: The Com- Jibitionty increasing in numbers and variemy, and they are this year at Halifax, Sept. 22nd to Oct 5th hav, of clean seed that the Seed Control Act was passed
 ure cordially, invited to to assisten of the Dominion,
The special
Conadian 820 are offered for collections of iruits grown im
Provinces named, only one prize going ${ }^{\text {Province. Another class is arranged in which }}$
 plums, peaches and grapes. Gold and silve.
medals, and diplomas, are offered ior pxhitits
 Large prizes are offered for aclicty, in the comanda. Larte prizes are offered for all the commencrial
varieties of apples, in barrels and boxes, as wall
 prizaelist, and send him entry card before August
27 thend all fruit exhinits to
Senc Building, Dominion Fxxhibition, Halifirax, to arrive
before September 28th.


Potato Spraying in Maryland and New York.
 increase of 52 per crnt. on fields sprayed three
or four times from June to September.
On late or tur times from June to September. On late
Varieties, when on hlight was present. New York
State experiments showed wate ant profit of \$11 per acre when potatons were only 25 cents a bushel
The application of Bordeaux mixture aside er reme phe apphication of Rordeaux mixture, aside from
pracaitic diseases and repeling rilea
Reetes. conclude the Maryland station authorities, causes the plants to make a better growth,
trobably by protecting the foliage from the and an by protecting the foliage from the in-
anse summer light and heat, and so is of value
en when no disease is present

THE FARM BULLETIN. Some Things About Denatured Alcohol.

| Seeds and Weeds. |  |
| :---: | :---: |
| Thring June the Seed Branch of the Domminion De- |  |
|  |  |
| Branch of the Ontario Department have been co-operat-ins in holding a serics of Frield Neit |  |
|  |  |
| There were really four series or divisions, and a wet of |  |
|  |  |
| THi) speakers for each one. A memher of "The Farm- |  |
|  |  |
| Tarmi of (ieo. Hedrick, at South Woodslee, in Essex |  |
| conty 'Thenie and L. E. |  |
|  |  |
| ers answombled, and were seated on benches in the or-chard: The speakers had with them mounted specimens |  |
|  |  |
| Chard. The speakers had with them mounted specimensof some of our worst weeds, which they spread out on |  |

## East Prince, P. E. I.

$\qquad$ have indeed had rain enough, and to spare the
tarmers while those whose land is low and flat have not been ablo yet (June 12th) to work some of the soil. Fields Waek were about ready to put teams on three or four
weeks, have since been covered with water fome of the new meadows, which looked promising in carly spring, are black and dead, in consequence of
The lony continuation of rainstorms the long continuation of rainstorns, A great deal of
buckwheat will be sown this year on land that was intended to grow oats. The pastures are growing well and there is every promise for the best season of dairy-
 rain is not growing very fast, the weather boing The furmers in some sections have still some feelds A not sow or (1IId will not be sown yet for some time. Harvest may sure to keep the fall work behind. Notwithstanding the very low price of potatoes all
spring, a l large ecreage has been planted for another hough a larver percentrage of white and favorites, al han usual were planted this season. The orchards just now are a sight to behold. As ast year was an of year for fruit, nearly every tree
this year is white with bloom, and if the June trote keep of there will be an anumdance of fruit Mr. Richard Burke, our Fruit Inspector, is now visit land, giving practical lessons on sprapying and the 19 of the orchard. The very high price paid for fowl of all kinds last fall was an inducement for people to go into poultry alsing. Nearly every farmer has gease this year, but
1 regret to say that, in this locculity at poor hatches are reportcod. Great quantities of eagg $o$ handled by the merchants, and the price is goodMany of our frese are improvisr to . Their premises by cleaning up their road-front and lanting a lew young maple and other trees ; and what vest in imported our own native rock maple? Why infor nothins, by going hack tow, when we can have need of the prettiest of ornamental trees? $\begin{aligned} & \text { Podiot, all wo } \\ & \text { Plant more }\end{aligned}$ tress, frimers, it will add to the appearance as well as
to the value of your farms to the value of your farms. A little paint, or even
whitewash, gives a home a thrity ance. Paint preserves the wood, and adds much to to thappearance. Some farms are still changing hands, and some still have the "West craze," But where a man han little Prince Edward Tsiand. An Fanthy worse says. what we want to make our Island about perfect is the tunnel. and I hope our our frime frimd will keperfect
listingly at it until we get it, astingly at it until we get it, and when it does come
(which it surely will), no one man on this will deserve as much thanks as Rev. Father Burke or The 1sland is alive with horse-buyers, and many aluable ones are being picled up. I fear that many
that should be kevt for breeding hat should be kept for breeding purposes are sold for
tempting figures.
Wool is awny merchants are advertising for it at 30 cents price, and tho This, with lambs at 4 or 5 cents a pound, live weight hould make sheep-farming one of the most proitable
ranches of the farming industry

Free Expert Advice in Farm Drainage. Last year the Departenent of Physics, under Prof.
Reynots. who has since accepted the protessorship in
English, was authorine
 vels of their lands for drainage purposes, locate the
drains for them, and give information crains tor them, and give information generally on the
cubject of drainage, the only outlay entailed faveling expenses from Guelph to the place of oing th tion. This proposition was announced in "A The Farmm
ar's. Advocate? ar's Advocate," and quite a number of farmers harne
availed themselves of the opportunity of haviny their draing properlves of tho opportunity of haviny their
in one voicinty located.
Usually II one vicinity make arrangemente. Cogsually several
their work done at the samme time the to nave holr work done at the same time, and each paying
only his proportionate share, the expense is very small We understand this onfer still holds good, and shall. those Who are contemplating the innuyuration oo and those

 31st, Why Farmer's Advocate" of Winnipeg says
swine the sapient (overnment ofifials included Swine to the umber of one hundred and onticials included
ob be explained, and only termains To be explained, and only yoes so show the distance be-
ween departments, althoukh in buildings a conple or
 Whock apart. All Canatian livestock associations
should protest against this new regulation, as likely to
roulder the ingrese to
 Mretable, especially in view of the grat sums ox-
onded by the veterinary Branch to stamp out the


## Farm Notes from Waterloo



Fireproof Cement Concrete Siructures. buileing purposes. at Duluth, the wooden working-house, containing 938
ooo bushels of grain, valued, in all, at nearly $\$ 1,000$ ooo, was a total loss, went through the fire int epart, and the two buildings feet of dry timber in the wood house was so great that
steel rails between the two and fusing temperature, while for hundreds of feet glare. The $\delta$ to 12 inches of cement between this the concrete house were amoly crain from injury.
with the foregoing Goderich (Ont.) Elevator and
course of erection, is being cement and steel. Both w re being built of those materials exclusi storage bin fact is regarded as
or their grain his be of great advantage to Ontario millers in ensur-
ing the safety of their grain, and olvviating any risk of disturbance to their business by the sudden cutting
of of their supplies, but it will also do away with the

## Cultivating Corn in a Buggy

 The rows are long-forty
Naturally, 2-horse corn cultivatory use. In
dozens of
scuifins.
riding implem
aes watching th
account ? Scarcely. They have rikged up surn that
1or their
old buggy
exte man, again, had a neat canvas ore way down each side, though not so low
but what he could look out and see what was gonne
$\qquad$
curtains." Rem
after the scuffer
arter the
disk, self-bi
the notion
the notion
and
would

```
man who fods ma
```

time. The idea is, on the thate
Iudley Warner's scheme of
extrattion to hold an umbre
Ko will nat hote
We will now be prepa
form of a double seat.
sisters-or sor
they work.
they work

THE FARIAER'S ADVOCATE
Paccout Cuanty, N. S., Crop Prospects
It is to be sincerely hoped that the "unexpected
will happen" in reaping the harvest of 1996 , for, in
looking over our fields at the date of writing, it is
surely not a case of ". great expectations." Not often
has the good prospects of early spring been so ruth-
lessly dissipated. Following a winter of alternate freez- has the good prospects of early spring been so ruth-
lessly dissipated. Following a winter of alternate freezing and thawing, came a very mild April and a cold,
wet May, and so far in June there has been little change, except that for the last week the weather was 13 ice formed on still water, but the following days being cold, the damage will certainly not be so great.
Fruit trees, especially plums, blossomed well, as also did strawberries, although the latter were con-iderand in a good many cases had to be plowed again.
Two very heavy rainfalls so thoroughly soahed the
 April, is not so good now, as stock was turned out $t_{\text {a }}$ are experiencing a a kood deal of troulle to to get what
they want Wool is selling for 27 counts per pound, and
some choice lots brought some choice lots brought 28 , and mutton and lamb
high, accordingly. This will have a tendency to induce
farmers to increase their tlocks by refusing to sell their
$\qquad$
 with headquarters at Truro. A. R. Coffin, Esq.. is
Secretary. and the society comprises most of the wool-
len manufacturers and others interested in the woullen trade. fenture of the lide-stock trade this spring is the
A
scarcity, and consequently the high price, of young pists.
Generally they sell at $\$ 2.00$ or $\$ 2.50$ at two or weeks of age This spring, however, $\$ 3.50$ and aven
$\$ 4.00$ was asked and received. Small litters, and tho failure of a great number of sows to breedd seems to be
the reason. The high price of pork has also some-
thing to do with it. Butchers are offering 9 cents.

Mr. Gordon on the Cattle Trade
$\qquad$
$\qquad$ improvement, brought about by the enormous increas in consumption in Canada and the linited States, and
the steadily improving conditions in all lines of trad
in Great Britain, which is, after all, our natural mar ket. South American chilled beef is our strongest here so cheaply, und can he mat cattle can the raisud tine so condition. Compety, andion in this direction is certain shipments have been fieavier than usual. swinc then and



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


Spraying for the Destruction of Mustard.
reached a height of 6 to 9 inches. If allowed to, gr
taller than this, stronger solutions will be nectsur
and in larger quantity, as the grain would then |rrute
the mustard.
FRANK T. SHUTT,

To Place Telephone and Express Companies Under the Rallway Commission.
$\qquad$ declaring that, .. notwithstanding anything in clause, heretiofre or herearter passed by anything in any act
phone tolliament, all to be char red

$\qquad$
$\qquad$
$\qquad$
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Dual Telephone Service a Nuisance.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
arainst any possible exact s
Fair Dates for 1906
Toronto Open-air Horse Show..........................July 2
Inter-Western Exhibition, Calgary...........July $10-12$
Winnipeg Induatrial

|  |  |
| :---: | :---: |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |Cobourg Horse Show.....................................Aug. $14-16$

Canadian National, Toronto.............Aug. 27 -SeptWestern Fair, London
Michigan West, Grand Raplds...................................ept.
Sept.Chatham, N. R. Syracuse ..........................ept.. Sept. $^{10-1}$
Dominion Exhibition.Prince Edward Island Agr. and Industrial.
Fxthibition




0
Site，要位erature
antu 近的uation


William Makepeace Thacke ray． It is rather strange that so little
is known of the life of Thackeray In these days of publicity，when the most private affairs of every illus－
trious man are pried out，and in cold blood set up in type，this might
seem a thing to be regretted seem a thing to be regretted．Why
not，for instance，have a series oi ＂Love Letters from Thackeray，＂ with all sorts of interesting al－
lusions to domestic affairs which are not nor ever were anybody＇s business a man might prove a rather inter－ esting condiment．Rather obvious－ ly，however，it reflects rather favor－
ably upon the charactur of Thack ably upon the character of Thack－
eray himself that he has chosen the eray himself that he has chosen the
other part．That such a man as he should deliberately give orders that
no anecdote concerning himself，no
great harangue over his character， his likes，his dislikes，his fort）les should be recorded by his family
would still dare to ask，＂．What man
ner of man was this Thackeray ？＂
to a modesty which must，in these
days of advertising，prove as inter
lived somewhat beiore the days of
advertising-and yet, even the love-
letters, and the reverse kind, of
Dickens have been published; and
Dickens was his contemporary,
As a matter of fact, although
Thackeray, positively forbade that
any "life of him should be writter
during his lifetime, or published
after his death, from what has beet
handed down of him from the broad
range of society in which he was
range of society in which he
so well known, we know him
have been a man of singularly
mirable charac
gentlest heart
table to a fault, witty, brigh
conversation, level-headd above all
hings, severe only upon insincrity
affectation and cant-three similar
things, perhaps,
His face and figure," said one who
knew him at the height of his pow

JUAE 28, 1906
THE FARMER'S ADVOCATE

## Live in the Present.

$\qquad$ and worrying over what may coure.
Mranwhile, the blessings of the prasent flit, unenjoyed, to the lime
oi the past, and the future draws of the past, and the future draws
swirty into the unappreciated pres. ent. There is onty one not that we
and that is onw.
would blot out the past, nor counsel recklessness of the future. An
occasional reminiscence is gooil. The locasht spots of bygone days are pice
burires hung in the halls of memory. tures hung in the halls of memory,
The disasters have halue for the eles.
sons they teach, the hints they ai-



$\qquad$ steel boat, and motor-sledges
for use on land. Food for seventy-five days
will be taken aboard, besides in struments, tools, lubricating oils, motors. The length of the oar which is made of steel tubing, is 2.5 feet; the engine room and cabin for the crew are enclosed, and the
steel boat is suspended immediately below the car. In it the gasoline

ERSONNEL OF THE NEW PRO VINCIAL UNIVERSITY BOARD. The personnel of the new Board of lows: John Hoskin, K. C, LL D presi dent of the Toronto General Trusts orporation; Hon. S. H1ake, K Jas. L. Englehart, Petrolea now member of the Temiskaming \& North ern Ontario Railway Commission ; Rev. Father Teefy, formerly superin-
tendent of St. Michael's College, now in a similar position at St. Basil's Novitiate; His Honor Colin SnyCounty of Wentworth. Judge of the Walker, of Wentworth; Byron E. dian Bank of Commerce ; G. R. R. Cockburn, president of the Ontario pany ; Chester D. Massey Gas Comof the Massey-Harris Company : Rev D. Bruce Macdonald, principal of St. Andrew's College ; W. T. White, general manager of the
Trust Company ; E.
C. Ottawa, brother of the Premier, a prominent lumberman ; Dr. Goldwin Moss, LL D the cellor of the University ${ }_{\text {E. }}$ B Osler, who represents West Toronto in the House of Commons: J. W Trust Company ; J. A. Macdonald managing editor of the Toronto
Globe: Hugh T. Kelly, barrister, Toronto, partner of the Hon. J. J.

Mr. J. W. Hodgson has resigned
as tario, and has been succeeded fy $\mathrm{Mr}_{\mathrm{r}}$. H. B. Spotton, M. A., F. L. S. Mr Spotton is well known as the autho

Some Shots from Thackeray
$\qquad$ endennis met at a crossing) gave the dove tonis a finger of a pipe-clayed hraced with great which the Major emPendennis, whose likeness . . Old as been remarked, ioss hrace unconsciously after they had parted manner with curt sentences, aftert
Red-winged Blackbird
\& This matter of the care of the

" And it must be remembered that this
poor lady had never met a gentleman in
her life until this present moment
Perhaps these are some of us think forer personages than some of us think for. Which of us can
point out many such in his whose nims are generous, whose truthen is constant, and not only constant in it kind, but elevated in its degree; whose wan of manners makes them simple, who
can look the world honestly in the face
with an equal with an equal, manly sympathy for the
great and the small great and the small. Sympathy for the
hundred whose coats are very wew a andred whose coats are very well made.
and a score who have excellent manners and one or two happy excellent manners, who are
what they call in the what they call in the inner circles, and
have shot into the very center and bull's have shot into the very center and bull's
eyc of the fashion; but of gentlemen, how many? Let us tathe a little scrap of Maper, and each make out his list. . My friend the Major (Do. bin),
I write. without I. write, without any doubt, is mine. He
had very long legs, a yellow fuce, and
slight lish slight lisp, which at first was rather
ridicutous. But his thoughts were just ridiculous. But his thoughts were just.
his brains were fairly good his honest and pure, and his heart hare was

The Quiet Hour. $\qquad$
Sh thern-not before they need it. So evidently far gone in consumption,





 finds a sick child lying almost uncorerod
on the bed, while the worn-out mother and cinders are scathered over the stove,
the winor and three willing but inefiective neierh-
bors ". struegle with a frimhtul mess of command at oneai clears the nurse takes rom of
most of the would he halloris. whatever is neoded in a brisk, bus. ness-
like fashion, before moving on on
like fashion, before moving on to visit
another patient. This may be a woman, $^{\text {and }}$
not ery ill. but most uncomfortable with
dirty bedd ing, un washed face and targled
hair. There may be fresh things in the
tenement, but the friends have nexlecter
$\circ$ put them on. The nurse gives the pullowenses
oor
woman a bath. makes the bed tidt
por fromhn
me wrilsh
he
the willing, but ignorant, positile duirect
uho is chief nurse e how to to mbter
orderly foom a ittle more neat, and with clean shelf paper under them the stives

ns to look morighten
gins to look more as it used to do before
she broke down. The nurse is not a paid
achine, but a sympathetic human beind lending a hand when they sew what she


Children's Corner


A Strange Friendship.

## Bird-hunting Competition.



JUNE 28, 1906
THE
FARMEF
AI)VOCATE
Other Birds Described. Chickadee.-This little fellow is black
on the wings, tail, and also a ring an the wings, tall, and also a ring under parts are white. He stays here
both summer and winter, and always seems to be plump, sleek and merry. fish, arrive as soon as the lake opens. tish, arrive as soon as the lake opens.
They are larger than most of the Hen
Hawks, and are pure white except Hawks, and are pure white, except on the
wings, which are usually mixed with wings, $\begin{gathered}\text { which are usually mixed with } \\ \text { black. } \\ \text { The beak is yellow, long, and }\end{gathered}$ black. The beak is yellow, long, and
hooked in such a manner that it makes
fishing easier for the lie fishing easier for the bird than it other-
wise might be.


## About the House.

For Picnic Time
 tahe "-ty which, of course, what the the initiated means what to take in the
baskets by way of luncheon. We have all
been been at picnics at which cold roast
chicken. Boston beans, salads and pie tigured. As a rule, however, where there is of necessity such an insufficiency of
dishes, it is anter dishes, it is better not to take things
that tend to look mussy. The half that tend to look mussy. The half of
any repast is its attractiveness. Sand
wiches are always in order, and should We made of several kinds in order to suit all tastes. Pickles and olives ar drink, lemonade is as satisfactory as any thing, although some prefer raspberry
vinegar, bottled fruit juice, or cold tea vinegar, bottled fruit juice, or cold tea,
chilled, if possible, by placing the can
containing it in a vessel of cold water it is a water bind, and can stay under
vater several minutes. nge Canada Jay is about nine mich

## small space, and do away with the danger of breaking, so unavoidable when

Peanut Sandwiches.-Slice thick gingerWha with a very sharp knife (it must Sardine Sandwich.-Chop the fish finely. Butter the bread, and lay on each slice nely-sliced
in
incumber, previously steeped
Spread with the fish. sea Chicken Sandwich - Chop anes. chicken and walnut meats until fine. Sheasen,
mix with dressing, and use as sandwn mix with dressing, and use as sandwich
filling, with a lettuce leaf in each sandfilling, with a lettuce leaf in each sand-
wich,
(heese Sandwich.- Rul) the wolk of Cheese Sandwich.-Rul) the yolk of 1
hard biled egg smooth with 1 tablefrocn melted butter, and $\frac{10}{} \mathrm{lb}$. cheese
krated). Season with salt, cayenne and dry mustard. Moisten with 1 tablespoon water, and spread. Put a lettuce leaf in Sweet Sandwiches--Spread the upper
lice thickly with whipped cream, and the Hower with chocolate icing. - Mix
Horseradish Sandwichos $\underset{\text { Horseradish }}{\text { horseradish }} \underset{\text { Sith }}{\text { Sinwiches. }}$ very - Mix grated horseradish with very thick whipped
cream, and use as filling, with lettuce Leaves.
Figy
Sundwiches.-Slice hard-boiled eggs and use as filling, with lettuce leaves and Salad dressing.
Ihevilled Egys. - Boil egge hard, and Tevilled Egrs. - Ronl egrs hard, and
split lengthwise. Take out the yolks,
drops off, putting 1 pint cold water for every pound. Put in the feet, well tepid water to rather. Surround with old, remove scraped. Strain. When height of the jars. Then than half the pepper, a bit of lemon season with salt, ing point and boil until the steam will Reheat the piquid peel and parsley. rette gelatine dissolved in cold water place to harden. Veal Loaf.-Two lbs. chopped veal, crumbs, salt, and pepper to taste. Make
into a loaf, and bake 2 hours

On Canning Fruit

$$
\begin{aligned}
& \text { When canning any kind of frutt, it } \\
& \text { necesary first to sterilze the jars by } \\
& \text { twirling them in boiling water. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { necessary first to sterilze the jars by } \\
& \text { twirling them in boiling water. By put- } \\
& \text { ting them in sidewise so that the water }
\end{aligned}
$$

$$
\begin{aligned}
& \text { twirling them in boiling water. By put- } \\
& \text { ting them in sidewise so that the water } \\
& \text { will touch both inside and outside at the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { same time, there will be little danger of } \\
& \text { cracking the glass. The lids and rims } \\
& \text { chang }
\end{aligned}
$$

$$
\begin{aligned}
& \text { cracking the glass. The lids and rims } \\
& \text { should also be sterilized and kept in } \\
& \text { boiling water on the stove until time to }
\end{aligned}
$$

$$
\begin{aligned}
& \text { should also be sterilized and kept in } \\
& \text { boiling watur on the stove until time to } \\
& \text { adiust on the iars. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { adjust on the jars. } \\
& \text { The following recipe for canning red } \\
& \text { raspberries, given in the Boston Cookind }
\end{aligned}
$$

$$
\begin{aligned}
& \text { The following recipe for canning red } \\
& \text { rasperries, kiven in the Boston Cooking } \\
& \text { School, is said to answer as well for all }
\end{aligned}
$$

$$
\begin{aligned}
& \text { raspberries, given in the Boston Cooking } \\
& \text { School, is said to answer as well for all } \\
& \text { sorts of small fruits, plums, peaches, etc., }
\end{aligned}
$$

$$
\begin{aligned}
& \text { sorts of small fruits, plums, peaches, etc., } \\
& \text { being given, of course, a longer time to } \\
& \text { cook than the more tender herrios }
\end{aligned}
$$

$$
\begin{aligned}
& \text { being given, of course, a longer time to } \\
& \text { cook than the more tender berries. By } \\
& \text { this method, it is asserte, the fruit is }
\end{aligned}
$$

$$
\begin{aligned}
& \text { cook than the more tender berries. By } \\
& \text { this method, it is asserte, the fruit } \text { io }^{\text {mep }} \text { kept whole, and retains more of the fruit } \\
& \text { ket }
\end{aligned}
$$

$$
\begin{aligned}
& \text { kept whole, and retains more of the fruit } \\
& \text { flavor than who stewed in a granite } \\
& \text { kettle beiore canning. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { flavor than whn stewed in a granite } \\
& \text { kettle beire canning. } \\
& \text { "Fill the jars with the fruit, shaking } \\
& \text { down woll }
\end{aligned}
$$down well, but do not fruit, shaking

rubbers and screw on covers Adjust
a folded cloth.
eight of the rather more than hall the
eits. Then bring to boiling point and boil until the steam will
issue from the far of truit when issue from the jar of fruit when opened. with a bolling syrup made in the brim tion of bolling syrup made in propor water, and, for a pint can of raspberries, add 1 tablespoon of currant juice. The avor that gives the berries such a rich The Pathos of Thackeray. Perhaps as he was lying awake then is early, hopeful struggles, his himuccess and prosperty, his downfall mant eclining years, and his prese condition-no chance of resent helples ortune, which had the better of him name nor money to bequeath pont-ount, bootless life of defeat and dis wonder the and the end here ! Which, t, to die prosperous and is the better or and disappointed? To have, and to aving to yield, or to sink out of life, hust be a strange feeling when a That ar life comes, and we say, To-may of nd the sun failure won't matter much: riads of mankind rise, and all the mytheir pleasure as asual, but and work or their pleasure as usual, but I shall be
out of the turmoil."-Of Mr. Sedley, in
ary long legs and a long beak. It is great fun to watch them on
the shore, for they have a habit of bowing and dancing. It has pretty lightlean. The crown of its head is red and are. Some people uso for food but they are valuable for the oil got The Kingfisher is a lovely bird. It is seen along the shores of any river, 1ts feathers are buwe, with a redish breast.
It sits very quietly on a stone or branch, watching the fish swimming. Suddenly, down it drops into the water, splashes widely for a few seconds; comes up with fish in its mouth, and goes back to
is branch, and then throws the fish in its branch, and then throws the fish in
the air, catches it when it comes down,
and swallows it whole. It runs very and swallows it whole. It runs very
quickly along the bank, and pops into a hole, where it has its nest. It is a great wonder for anyone to get KingSir MURIEL HASLAM (age 9) Springfield, P. E. I.

Golden-crowned Kinglet.-Red head, and he body, grayish brown.
Downy Woodpecker.-Red spot on top of head, white breast, and black-and-Yellow-billed Sapsucker.-Long yellow bill, with a red spot on throat.
Oven Bird. - Slate-colored back, and dirty-white breast. JENNIE CLACS (age 16)

Bronze Grackle.-This is somewhat like bronze. It is rather larger than a common blackbird.
The Junco-This is a slate-colored bird The Junco.-This is a slate-colored bird.
It is a small bird. It is often seen in the woods.
very heautiful Woodpecker.-This is a and white, and all its head is crimson. The Ruby-throated Hummingbird,-This birds, only the feathers at its throat shine like rubies.
Aberdeen, Ont.
Ont JESSIE McDONALD.

## Red-winged Buchird-Biek

 part of wings red. Great Blue Heron. - Above, graythroat, white, spotted with bluish gray Snowbind-Above, brownish gray; head
and neck, darker ; beneath. white Pine Grosbeak.-Head, neck and breast rimson; back, black.
NELLIE SCOTT (age 11).

The Ingle Nook．






 lation hisf auwe won meteod，wsem，they mep on frate：cuen wank inn nothins siont ot in erthanation omentine to


 good time and ready to come home cheer－
ful and refneshed，with a ripple of bright talk that will make the whole house
merrier for meek merrier for a week．
of course，we don＇t mean to decry sys－ tem．System is a good thing，a neces－
sary thing in every well－regulated house． sary thing in every well－regulated house．
But don＇t let it become a bond．That washing might be just as well done on
Tuesday as on Monday once in a while， and so it is with most other things． woman＇s duty is to keep her house in
 mill say hot her trat one to mats that
 somen yeone now wont to took wind



 would not tot at tarmes moralast who




 1 to or money involved，you will do well
to indulge in it ionit neglect your
house，of courco，i．，inl in surct time as

 others too．There are too few sunshiny been told that＂．the wors＇it smelled，the comer，but I could like to ask some ad
faces in the world． But，dear me，I must stop．Dame success with it． Durden is a dreadful rambler sometimes． $\begin{gathered}\text { Now，dear Dame Durden，I did not in．the right time to separate them，and how } \\ \text { to take care of them？Also I should }\end{gathered}$

A Valuable Budget
Dear Valuable Budget thing just compelled me to do it，and I
Advocate you wonder if it is true that
Work this morning.
Hoping the sugestions may help
rolish will prevent its burning offe.,
Well, it is true enough, for I have used
it for a long, long time. I discovered $\frac{\text { Kent }}{}$ Co.. Ont.
it by accident, and thought everybody 1 am very glad you felt compelled to
else knew it. I will also tell you a few
write us, and I am sure a great many

myself. That a little baking scoda with
the brick will give knives an extra
polish. To wash a painted ceiline use
In Need of Help.
not drip, then go over a that it will abe, about Dear Dame Durden,- I am another nel.
a square yard, then wring out your mop comer, although I have enjoyed the many
and wipe it dry, and youl
and wipe it thy wring out your mop
prised hou easily it is done be sur-

dipped in cold water to set it upon, and
it will come out of the pan nice and
smooth. As every
As every farmer's wife will know that
the butcher knives are a nuisance in then
the butcher knives a ware a will know that need of help as the the warm days are com-
knife-boo
knife-box, I devised a plan which I like new in the Nook, being the management
very much.
very much. Take a narrow strip of of a coal-oil stove. The great trouble is
cut it out about half an inch wide, and something dreadful. It is a is a wickless
as long as you need; tack it on the wall blue flame. One burner will sometimes.
ast over the kitchen table, and put in or every time, I might say, make a
as many tacks as you need to make splutter and then go out, and the other
loops for the knives. A little
poured on the hot kitchen stove will have a very big blaze, and litthe oill
drive out flies, providing you sopen will gave a very big blaze, and litthe
doors to

asked for salt-rising bread. I will tell
how I make mine, and as it usully
how I make mine, and as it usually gets manakement I can it. I I more aloout the
a prize at our fall fair, I think it must management of it. 1 would be very
be good. Aboul if someone could tell me how
ing I scald a bowl, and put in about a to bake in the oven. I know in cook-
ing I scald a bowl, and put in about a ing schools they are used for everything.
cup or a cup and a half of Graham but I am always afraid to turn on halt
cup or a cup and a half of Graham but I am always afraid to turn on half
flour, \& teaspoon of sodn, and a teaspoon the oil that can go to the burner. They
salt.
Hour, f teaspoon of sodn, and teaspoon the oil that can go to the burner. They
salt. Put in hot water, enough to make are a great saving of work in warm
a batter, but do not scald. Sot it in a weather if the houspwifo could bo tover
sall. Put in hot water, enough to make are a great saving of work in warm
a batter, but do not scald. Set it in a weather if the housewife could be taught
pail of hot water, just hot enough so how to use them throurh the Nook
that you can hold your hand in it; leave Hope I have not taken up too much of
only one life to go through. and it is our
right in grt all the happiness out of it


A＿Friend in Need

THE FARMER'S ADVOCATE
1043

## Picnics, Parties

 Social Eveningsand all other forms of entertainment will prove a greater success if you consult our ook, EMight
or Entertalning.
It contains 235 pages of novel and practical ideas There should not be a dry moment.
Nothing makes the time drag so much as the lack of something to do.
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Jerseys, Cheviots, Dorset Buff Ond-Chinas, and Buff Oppingtons,

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QUESTIONS AND ANSWERS.

- Questions asked by bona fide subscribers
 plainily uritten, on one side of the paper ondy,
and must be accompanied by the full name and address of the writer
std
sed veter
especiall

 Miscellaneous.
encing a lane
Recipes.
everal days. It may be som saved, but the greatest be some will be ercised. Filth is very often the cause of cholera, though it may have oricinated in some other yard. Do not attempt to
put fowl on the same place atain, until put fowl on the same place again, until
it has been most thoroughly cleaned and isinfected. description of stmple ice house. Some time ago I saw in your valued columns a description of an easily-con-
structed ice house. The copy of the structed ice house. The copy of the
paper was mislaid. I should feel very rateful if you would send me the very ber in question, I wish to build such an
ice house next autumn. ice house next autumn. $\quad$ S. R.
Ans.-The description our correspondent protably refers to appeared last winter. We repeat it for the benefit of others,
who, like himself, may desire to build who, like himself, may desire to build
this fall. Plant cedar posts firmly in the ground so as to form a square of, say,
ten feet, three posts an ten feet, three posts on each side of
square, and extending up to plate, ten
feet feet rom ground. Line up inside, ten not
outside, of posts with rough inch lumber. Roof over as desired, heing careful not to
have the pitch toward the sun, have the pitch toward the sun, and to have
openings around the eaves for ventila-
tion. Pack ice solidly, havin,
best kind of belt


## SASKATOON and SASKATCHEWAN

Choice Prairie Land
along new branch of Canadian Pacific Railway and Grand Trunk Pacific, on crop pay ments. Free from stone, scrub or alkaline
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SASKATOON,
SASK., CANADA.
 GOSSIP.


Veterinary.
horse rubbing its tail
 potash. $\frac{1}{3}$ ounce to a pint of water twice
daily. See that all around anus is keit
clean. 2. Give laxative diet (grass), also
ounce Fowler's solution of arsenic once once a day. Apply corrosine sublimath
8 grains to a pint of water, every secont partial paralysis
 ter was wanned in in six weeks. The lit
month later, the sow was bred again
Three weat and hind quarters and and has remained of ha his
condition parts ground oats, one part ground
bariey, one part corn chop, with skim
milh and swill. She weighs about 200


 no grain.
INVERSION OF UTERUS.
$\qquad$ her second calf, a retainer and stitches
being used. I let her go farrow till an., 1906. She has grown considerable
since and looks stronger. Will it to breed her in Octoter. Will it be safe
I would like
o keep her. tose keep her. My neighbors say I will
I am without experience. and the cow is desirable. What shall I do? Ans.-It does not necessarily follow that she few precautions, such it ws having take
a fer
kept, immediately kept, immediately after calving, with her
hind end well elevated. If much struin hind end well elevated. If much strain-
ing persists, give tr. opii, 3 ounces Lamb mare.
$\qquad$ Tame in off fore leg, and a lump mare went
on outside of leg just aloove the knie. I
rut some stuff ons but

$\qquad$
$\qquad$
$\qquad$
$\qquad$
swollen knees.
I have a cow which his large swelings
on both knees of fore legs-large as
pint bowl or larger. TThey do not ny
华ar to be very hard. Would it

$\qquad$
diseased meat
$\qquad$

The Emancipation of Lydia Duroe.

## $-$

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Experiment

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Cor. Slmoen and Nolsen ste., Tomont Anotion Sales of
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 CLAYFIELD STOCK FARM Yoxt bo days.


 J. M, Gardihouse, Wesion P,O., Ont
 An home bred Btock for sial My motto


## 號


 QUESTIONS AND ANSWEA Miscellaneous.

TREE THAT BTOCK WIIL MOT GNAW. 18 there ther kind of tree theit
stock wot diamake by gnawing or
enting the nuif 2. Can one ket ume or scions for $\underset{\text { of charge }}{\text { grafting }} f$ Ans. -1 . Stock St bsichiber's sine against nearly
ealling telights
ainds of is less liable to youny tins. The thorn cause than any other trree or shrul) that 2. Tree seeds an fuantities have been distribuled from trim then eo ontained therens. now can be such can
ertained by
cos ertained by writing to the
which you wish to secure seed
ad's Hetra
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assist nature to repair straincled




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## yearr old ; Bhow pair of matched selaings 5 and yeam.

 JAS. MoARTHUR, Goble's, Ont Riverviow Shorthoris and Oxforls Shorthorns reprosent Orimson Flomora,Ktheletanea, Lady Janes and Rosern
 straight, mossy lot. Also some Oxford Dow
ram lambs.
Peter Cochran, Almonte P. 0 and Station Peter Cochran, Almonte P. O. and Statie SHORTHORNS
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imp.) (36099), by Duthe the-bred bull. Scottish Bean ny herd. Young stock usually on hand for heale N. S. ROBERTSON, ERNPRIOR, ONT SCOTCH-TOPPED SHORTHORNS
 H. GOLDING \& BONE, Thamesford. Ont 8 tations. Thamesford. C.P.R.: Ingersoll, G.T.R Brown Lee Shorthorns ${ }_{3}^{- \text {Present }}$ offering in


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Porter's Gold and Silver Fawn SI, LAMBERT JERSEY HERD
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a. w. clemons.
st. George, Ont
Glenwood Stock Farm-Holetains and


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 We have for inmedy" HOLSTEINS





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QUestions and answers. crossina holsteins and ayrbhires

Veterinary.
Chronic covgh-spavin.


$\begin{gathered}\text { Ans.-We We We } \\ \text { pure-breds }\end{gathered}$
wor
for keep the breats dare, selecting the bet
periorming fomales, and using sires bet periorming females, and using sires bred
from deep-milking dams and grandams
If a dual-purpose class of stock is desiret by our correspondent, we should advis treat, and I do not consiller it or three days. Yoi uill probably be
ahle to check it by giving each morning
a bail composed of $1 \frac{1}{t}$ drams gum opium, a bail composed of $1 \frac{1}{t}$ drams each morning
2 dram opium, som
drains solid extract of belladonna, 15 rains digitalis, antract of belladonna, 15
dram gum cam-
vhor, mixed with sufficient oil of tar to make it plastic. Roll in tissue paper
and administer.
2. The symptoms indicate bone


Miscellaneous.
line fences.
fence, is he forced to keep it can he pack up and get out any tim
rimmed, or can he let it grow oler his wout giving you any notice, and co
lect for the time that he has worked
neighlor's side?


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& \text { The t. Mill dealers, or } \\
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HOLSTEINS $\underset{\substack{\text { sio } \\ \text { site }}}{\text { git }}$

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Gired by the grandly-bred imp. bull, sir Howitio S. Pietertje whose dam record is over 8 lbbs
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Several yearling bulls also a number of bull calves, Quality and appearance extra good, noted for robust constitution and $\underset{\text { For particulars apply to }}{\text { large teats. }}$
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ture delivery of show and boreding focker

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 Tavid Peat, Ratho. Ont., a a tine daunhter of Heir. His dam is is one of the best bulls we had this sen the red-roan bull, Ythan's First, a Ooch. one of our stock bulls for sale. Blath, He is a Marr Missle, and will make good guality. Our young yearling stack
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[^0]:    <br> \section*{HORSES}

[^1]:    <br> \section*{HORSES}

