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le easily done by laying the pattern ver glass and cutting with a sharp
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convenient size, being $7 \times 10$ inches
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Quiet Hour" in "The Farmer's Advo-
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cate," contains 18 chapters (224.
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itable Quick-Repeating Action and the Bell Tone-Sustaining Frame.
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Toronto Salt works. 128 adelatride st it

the principal, macdonald college, p. Q.

## Live Stock: Poultry Show

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[^0]D. T. ELDERKIN, SECRETARY,


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EDITORIAI.
Tariff a National Question.

The tord under the harrow knows just where interosis affected, every otner subject discussed by
h point goes, quoted F ( C Drury at the Do- $\qquad$
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THE تARMER'S ADVOCATE and Home Magazine.
THE LEADING AGRICULTURAL JOURNAI IN THE DOMINION.
THE WilidAM WELD COMPANY (Limited) John WELD, Manager gents for "The F armer's Advocar
Winnipeg, Map THE FARMER'S
It publiscd over
It impartial ain ery ThVOrsday.
and
independ

 for farmers, dairymen, gardeners, stockmen and home-
makera, ot any pobicaton in Canada.












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 ddress-THE FARERS ADPONY
THE WIIIIIAM WEI, COMPANY (LIMTED),

## RENEWAL OFFER EXIENDED

Thousands of our subscribers have taken advantage of this Special Renewal Offer, but some have written asking us to extend the date for a short time, so they will be able to secure the new subscriber.

We have decided to do this, and will make the offer good till Jan. 15th, 1911.

It is as follows
For one new yearly subscription and your own renewal for 12 months, we will accept $\$ 2.00$. For each new name in ad dition to the first one we will accept from you \$1.00, the balance of 50 cents being retained by you as a commission. Or, if preferred, you may send in the new names, ac companied by the full subscription price of $\$ 1.50$ each (United States subscriptions $\$ 2.50$ per year), and take your choice of one of our splendid premiums. These, like the paper, are astonishingly good value.

NOTE.-This is a special offer, good only till Jan. 15, I9II. Speak to your neighbor to-day. Get his name before he has signed for other papers. Roll in the new names now.
ten-per-cent. tariff maintained on implements
would not insure positively against such conti
mental implement combination, but we beliče it
would tend to do so, and, at all events, athy
manufactured
would pay at least somen revenue to the Doundinion
A low tariff often produces more
tions are heavier. In general, the lower the
tarif, the larger the percentage of taxation that
goes into the Government coffers, and the higher
the tariff, the greater the proportion that goes in
to the tills of the protected industries
It may be objected that the United states does
not offer partial reciprocity in implements. Quite
true, but this does not prove that such could notbe obtained by necotiation. It is a question
whether partiai reciprocity, as indicated, would notbe better for Canada and fairer to our implement
makers than complete recinrocity in agriculturatmakers than complete reciprocity in agricultural
products and implements only.be scoured, then we believe our implement indus
tries might safely be asked to run the gauntlet
of complete reciprocity. It was at one time
thought that cur binder-twine industry could not
exist without protection. The duty was coit in
two, then wiperd out entirely, and still we have
an important American company manufacturing
twine at Welland. We stronly suspect that
many of our implement manufacturers would fare
better under reciprocity than they anticipate.
Whenever the protits of an industry are arti-
ficially expanded by tarifis or other wise, there are
forces at work tending to absort the surplucearn in apples, as calculated to benage of reciph
another bone tin airs men would fawor it strongly, though were not heard. ween the small-fruit and have to gain by cheaper implements, living I.et us not exagerate "spect too
"omplete reciprocity with " Wnited
while lending an inmediate impulse to Ca while lending an inimediate impmalse to Canathon
$\qquad$
$\qquad$munity benefits to our raral population.
mplements, cheaper clothing, and less e
mondIn the last analysis, theretore, we see thregulate extortion, energize sound, well-manag
industries, and allow others to destroyedlabor emploved within the country may be el
plosed in those industries wherethe largest result, and that the resulting wealthmas be distributed us uniformly and fairly amonkcapacity and attributes will allow. The reductionof the tariff is not simply a farmers' question.

shown that railroads stand ready to cases has
con a year or two ago, when F. I). Smith de-
clared that, for Fastern fruit-wrowers to capture
he Western market. it was necessary io secureprice to the consumer : lower freight ratese would
Tanies. The principle has a wide application
ligh tarifi tends top extravacance, reckless man-
ligement

witiation of the assertion that Canadian farmers
Wheat. In practical patriot ism, "omen said Fic

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If Cunadian farmers. But our motives in de
laring for the openiney of our market to Britich
mponits ate not wholly unselfish. We want (Old
Rural Interests Inadequately

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Represented.
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## THE FARMER'S ADVOCATE

A Misleading Record.

## HORSES.

The American Hachnee Horse societ, at its
last annual meeting, decided to hold a show for
Hachneys exclusively. The matter has been tak Hachneys exclusively. The matter has been tak
en up with the directors of the Madison square Horse Show in New York, with a view to secur ing a day during exhibition of this breed. The result of the
the
necotiations is not yet known. Some 1,200 Clydestales were imported to Can ada in 1909, and there will be about as many this year. Percherons and helgians are not so
crease in importations. Hackneys heavy; a good many of our importers are airat of those imported last year would not record in Ctand, in the Inited States. Our book requires lions with only one or two crosses on inspected
dams. A joint committee of three Canadians and dams. Americans has been negotiating with the
hree Amer English Hackney Society for a year or so now, trying to get exportation of short-pedigreed horses, and age too record in the Einglish book Canadian- and
also Imerican-bred Hackneys that are descended
Finglish stock. This would make Canadian and English stock. This would
American Hackneys cligible for competition at therican Olympia Horse Show. The joint committee,
thowever, is not mahing much headway in its
hole however, about the only thing accomplished to date being the provision of classes at the olympla in
which American and Canadian-bred horses can which

The Cost of Horse Power on the Farm.

| Our horses are kept in most of the year, exJuly, when we use them only odd days cultivatong the corn, beans and roots, most of our time being taken up hoeing, etc. In winter we sel(iom use the team. They are not hitched up more than once a week, on an average, and of course, they are fed differently than if they were working The winter feeding commences about the 10th of November, and lasts until the 10th of March. At this time they are generally used more or less until seedint commences. <br> lowed for table submitted below 1 have not alor for risk. The custon here with farmers whi tho not raise their own work horses is to buy at three years old, usually paying about $\$ 200$ for a pretty good one, and working it for two or three old, useless horses on hand, and can mostly sell - in more than the price paid, as the horse has wached maturity |
| :---: |

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"In a 150 -acre farin. it least three god horses
required, requirine an invest ment of $\$ 600$ and required, requining an invest ment of $\$ 600$ and
expense of $\$ \$ 34.35$ for upheep. Horse-powet
ks expensive when we wet thwn theres.
 Farmer's Adwocate and home Nagan mag
un this and

$$
\begin{aligned}
& \text { since the establishment of the Canadian Xa- } \\
& \text { ional Records. pedigree registration in Canada }
\end{aligned}
$$ has been placed upon a most satisfactory basis,

and with but a single exception, so far as we
hnow, there is now only one record in Canada for
wach breed of live stock. Our old friend the proprietor of the Goderich Studbook, which used record crosses of Clydesdales and Shires, has red to, to do still in business, is the Canadian Horse Repister, established by the late King Dodds, and inaintained in connection with the Canadian portsman, which he edited, and in the files of wware that the proprietor of this Register ever claimed that it was a record for pure-bred animals only. We believe the avowed object was to with a record of the breeding of gract horses which would eventually be qualified for standard registration, with a minimum of trouble. Disinterested persons have heen so unkinit as to say the proprictor of the record. The trouble is that many horse-owners do not understand the nature of this record Many uninformed men assume that registration in this register signifies that a hose. So far as we have iearned, there is no fixed standard for registra tion in this record. Furthermore, by countenanc ing the mixing up of pacing-bred and trotting
bred stock, it leads to confusion, and indefinitels postpones the day when the progeny will be eligible for standard registration in the regula
We observe that Jas. A. Livingstene, the present editor of the Canadian Sportsman, is making vigorous efforts to secure registration of horse in the Canadian Horse Register
As showing the confusion that results from quote John W. Brant, Accountant of the National quote John Wecords: . The Provincial Depart ments of Agriculture in the Canadian West, wher stallion-enrollment laws are in force, are receiv
ing applications for the enrollment of stallions ing applications in the Canodian Horse RegisterAs the only Canadian certificates recognized as
indicating pure breeding are the records kept at indicating pure breeding are the records kept a
nttawa, tnese Canadian Horse Register certifi nttawa, terese
cates, whed by the officers of the Agricul tural Departments in the West, are invariably for varded to Ottawa tor exame under our observa vingle instance of these horses been eligible for registration in either the American Trotting Reg-
istor or the Canadian Standard-bred Record. Of ister or the Canadian Standard-bred Recor Horse
course. the proprietors of the Canadian Hors Register do not claim that registration in their book qualifies for registration in the American Trotting Register, but innocent purchasers an
over the country are buying these horses. supposing them to be Standlard-bred." It may be noted here that the basis of the American Standard-bred Record kept at Ottawa is the American Trotting Register, though the Caditions of reg istl not yet admit performance as a qualification for registration. The difficulty in the way of doing so is that machinery or means for al Records Office has no machinery or meacords.


The Girl's Own Pony

2076
while, according to the above reasoning neeting. is not a reality, should have a class speaker to justify this class of general-purpose mare and colt. Was that it would help the ex-
hibit, and, by another. that it would encourage the small boy. The argument of exhibit is a very old one, and has had value, but it has frequently been overdone. It has been used to
justify the class for gratie bulls, because so many justify the class for gratie bulls, because so make a
people had one to brink to the fair and make people had In the case of the mare and colt, since
display. In there is a class for the colt, if he has any class at all, binh he and his mother will, the writer recalls that he himself has played the part of this small boy and led his mare intc the ring one
year landing the prize, the next year to be year, landing the "prize, the next year
turned out with, "You have a good mare, but turned out with, "You have a good mare, but
she is out of her class." And he has shared she is out of her class. Adeas on this class, in
fully in the confusion of which, after all. there was not so much encour-
agement, lut rather mure disgust with the fair, and inore or less lack of confidence in anything the so-called expert judges might do or say. This class for general-purpose mare and colt nix matters up on this question. It is, morehix matters up encouraging the use of brood mares which as a class can never do much to raise the standard of horsellesh country this class, which, of course, is very broa.l, is a menace to advancement in horse breeding. It is not difficult to point draft horse, but where is the section distinguished for the general purpose horse ? Perhaps he great weakness in our county fairs is that not fulfilling the purpose for which they exist. A number of them probably are a restriction on agricultural education. for ferior material is recognized and given a standing, and thereby wrong production encouraged
We are in need of direction in horse-breeding, an We are in need of direction in horse-breeding, and seen:s an opportun

## LIVE STOCK

Beef-making Business Attractive of the beef-making situation was of ened with a of the beef-making situation was of ened with ar
address by Tho McMillan, of Huron Co., at the
recent Oniario Winter Fair. While not contend recent Ontario Winter Fair. While not contend ing that there had been a deterimration in the
quality of the beef marketed, he gave some factors quality of the ince had tended in that direction. Shorthorn breeders had been shipping sires to th
Northwest and to the Western States, and ha Northwest and the Shorthorn was a milking an mal, running to beef. till it was almost impo
sible to get a sire that could be relied upon t sibansmit milhing quatity Agricultural exper have been preachiny that it was impossige
have beef and dar: qualities satisfactorily a bined, ret, as a hos, he had handled 20 or $2 t$
cows that were milkers, and some of the heaviest milkers produced some of the best steer calves.
He saw the same think in Ontario and Middlesex Counties, and, if further evidence were needed, we ald collcge, where toont beef anmals are raise from deep miltine chorthorn cows it the Wi consin Experiment station, in Proi. Carlyle duced 585 founds of butter in a varar. and gave months, winning third prize in the ahe whe the did not claim that the dual-purpose animal would it
resent the hinhest type of either capacity. armi cow. mand for beef the last few years has led to the nany sections. owners of Shorthorn grade cows have seated their casceliful breeding and a better system of feeding and management. We mi awaken the enterprise of beef-makers, arouse the
doriuant interest and show them the business dot only interesting. but protitable as well We hat will bring heeves to early maturity. In want a trpe of animal with broad. smonth. "Ce
covered hacks. while the cows must be able t give milk, and plent of it and And we can do
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THE FARMER'S ADVOCATE

## home and abroad will always demand those de- the prounce ontarn) is becoming more

home and abroad will always demand those arich a monufacturing province, with the mat above
licious and juicy cuts.
Mr. Mcyillan is not losing any sleep over the
To-day, in many European matter of prices. To-day, in many Europea countries thousands of people have for relief. Th
with horsetlesh, and they are crying formen with horsetlesh, and they are crying for relief The
recent unprecedented liquidation of beef cattie in
the United States, along with the past season's the United States, along with the past season's bumper crop of corn, might lead us to expect that
prices had gone down to stay, but statistics from prices had gone $\begin{aligned} & \text { the five principal American meat markets for the } \\ & \text { ther }\end{aligned}$ first ten months of 1910 show that there were
only 38.944 more stockers marketed than twelve only 38,944 more stockers marketed than wel
months ago. The year 1907 was the big year in months ago. The year 1907 was the big year in
the stocker and feeder business, and 1909 showed a reduction of $21, .712$ head from 1907. Then, if farmers in the Caualian West continue alon
their present lines of farming, the Northwest wil their present lines of farming, the Northwest wil
soon be one of the best markets for Fastern beef soon be one of the best markets expects in a few years we shastl have ac-
and he
cess to the Inited . States marhet. the best in the cess to the Tinited states marhet, the best in the
world, lying riyht at our doors. and open all the world, lying riatht at our doors, and open al the
year round a country where more people conmand incomes. $\$ 10$ a your and over than
any othe: country under the sun. We have the any othe: country under the sun "reed the choic-
climate and the people, and can bret est heef found in the world. Is the situation is now. we are practicaily shut out of our matker.
(the Inited kindom) for six months in the year. by the lons overland journey that precedes shipment from our winter ports. The American mar it would be wers profitable. and wouldn't hurt our
lovalts, either.
Fovalthewing Mr. McMillan in the discussion, John Following Mr. McMillan in the discussion, Gohn Campbell emphasized these two requisites thet
the right quality of cattle, and then carry them on from birth to bloch so as to get the highest
orice. The man who raises the steer should finish him, and, on high-priced lend it will be impos sible to get the best returns unless he is marketed at from fifteen to thirty months, according conditions. (rood feeding does not imply the use of a (rood feeding does not imply the use af in
great deai of expensive feed i.et us keep in mina the ideal of cheaper production. With
thenty of summer feeci. grass, rape, etc., he conMenty of summer feeci, erass, rape, etc., he con-
siders it possible to produce weikht at a quarter
to a third the cost of winter feeding. He knows an a hird the cost of winter ieeding. Ale knows
of nothing else from which it is possible to get
such good results as from a rape field, with the cattie having access to lone grass. Alfalfa will have, he thinks, perhap's the most important pates
to play of any fodtler cave rape He actoct had the pleasure the preceding week of viewing a herd of chorthorn dairy cows at (Chicago, in
which were three or four as good combinations of which were three or four as and combinations of He quostel Will liryden. recently returned from the Old Cowintry, as sarine that in Mr. Duthie's
$\qquad$ o the meat-makine hisiness. paying particular
$\qquad$ would go after them. Nor is it true
linished cattle would bing $\$ 5$ to $\$ 10$
$\qquad$
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". And I," said Mr. Mo Britain for 19 years
lirm that shipped catte to
and we made more mones after the embargo was
put on than before."
In the corn belt most farmers find theirnot be avoided or ignored, nor should it be; buWhile its use need not by any means be omitted
it should the but moderate, and, as a part of
breedines should not hurd with fattening hogHy uf slop such as in pasture and pats of sherts, cor
mea! and wheat bran Feeds which furnish co
mea! and wheat bran Feeds which furnish con
siderable bulk are preferable, and those tendinothurn's "swine in America.
The Xational Records office

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$\qquad$first of Decenther, the receipts were already aheadof the whole of 1909 . There is a heavy increase
onin the rekistration of swine, all breeds showing


Breed-study Contest. What Breed is This Bull, and Why

DECEMBER 29, 191 Co-operative Wool Marketing in $\begin{gathered}\$ 58.1\end{gathered}$

The Sheep Commissioners, W. 'T'. Ritch and W.
Dryden, appointed by the Dominion DepartA. Dryden, appointed by the Dominion Department the wool industry, and oner suggestions for its
of
improvement, having completed their investigaimprovement, having completed their investiga-
tions in the Old Country, have started out through Canada, visiting prominent sheepmen in
Ontario first. Proi. 11. S. Arkell. of the Livestock Branch at Ottawa, accompanied them re
cently on a trip to Chicago, where they visited a cently on a trip to Chicaro, where they visited a
wool warehouse belonging to the National Wool Warehouse \& Storage co., and obtained from the
ioreman some particulars concerning the comlany's organization and character. The com pany, it appears, ranchmen from important woo producing States like Nontana and were apparencal or wholesate buyers, commission and other charges eating up too large a share of the returns. A few years ago, these wool-gro ers, who had a woul per year, holding their product when neces sary for It is said that the prices obtained compare proportionately
dealers' prices in Boston. The wool grower who markets his wool throuk this company, receives of his wool, being charged interest on wool is dis-
so advanced until such time as the whe of when the proceeds are struch on a pro-
posed of, wher
rata basis, and forwarded to the producers, less rata basis, and forwarded to the producers, less
the amount advancel. so far as could be
tearned, the wool-growers seemed to be well
年 earned, the wool-grower's seemed believed that
pleased! with their recurn, and it is bempany a suggestion
the experience of this company offers a of value to Candizen woll-growers. Fuller par-
ticulars are to be obtained for the Sheep Com-

Skim-milk-fed Baby Beef.

 weeves at pighteen months of age
He other herd were weaneei at beared on
thim thilk, with supphomentary feed, and finished

The second crop of calves that were nursed by ell dams weighed 1,016 pounds each at mar wilk fort at acost oi 86.44 per cwt. The skin nonths, at an averace cost of $\$ 5.42$ per cwt. of their dams. The third crop oi suckled calves averaged, 1 ,-
0.32 pounds at marketing, at a cost of $\$ 6.78$ per 132 pounds at marketing, at a cost of $\$ 6.78$ per
cwt for production, while their skim-milk rivals weighed 999 pounds each, at a cost of $\$ 5.51$ per wt., and a net prof rom their cams or $\$ 0.60$ All the second crop, sold at $\$ 5.3$ per cwt., The third crop all sold at $\$ 6.15$ locally, with no distinction between the lots. ". From these figures, it would seem safe to milk method is much cheaper. and gives better results than by the suckling method," says the
author of the bulletin. The skim-milk-fed beeves. author of the bulletill. The skim-mik-fed beeves.
for the three vears. cost on an average of $\$ 50.60$ per head, while the suckled beeves cost $\$ 66.97$ per
heall. or the former were produced for $\$ 1.50$ per cwt. iess than the latter.
hard to get rich on a multiplication table, says Uncle. John Hagatt, of Prince Ed-



Two-year-old Shorthorn Heifer, Mystery First prize and Shorthorn champion, Birmingham Fat - stock Show, and
krand champion at Simithtield.
Property of His Majesty the King.

## THE FARM.

Mr. Hanna on Co-operative Associations.
yrows ana hopt hite o

Silo Experience That corn will grow successiully over a very success in nearly every county of Old Ontario, and many sections of Quebec. Whit fild two In the Ottawa valley, peter white filled two silos this fall with about 180 tons of green corn off $10 \frac{1}{\frac{1}{2}}$ acres. These silos, by the way, are one
of wool, and one of cement. The wooden silo
or was built some years ago, with two thicknesse if boards, and tar paper bet ween, and elmstaves It was solidly erected on a cement foundation fittje over $\$ 300$, stone on the place being use was plastered, and washed on the inside, and ha was plastered, and washed on the inside, and has
civen excellent satisfaction, the silage having kept better in this than in the wooden silo. The corn matured fairly well, and is comin in nice condition.

Oils and Oiling
As we sit by the fire during the long winter ovenings, reading " The Farmer's Advocate " and
tudying the bulletins sent out by tho Gue Ottawa Experiment Stations, we are given plendid opportunity to reflect on the successes ad iailures of the past season, and, best of all, aiture. Whe time and chance to plan for the the past. whether in the ficld friction or wear
whe the house, let us try to remove it in the future. nothing is more use ful than plenty of oil $o^{6}$ the right sort.
To-day I would write on farm machinery some of the older married men would,
perhaps, tell us of the kind to use on mestic machinery, in $o \mathrm{rder}$
trouble.
A friend of mine the gearing of a cer tain make of wis mill wearing out "How often did you
oil it ?" I asked
him. "Oh, three or him. "Oh, three or
four times during the
summer," swered. It served buy repairs; he should have oiled it How often we see binders, mowers, rakes-in fuct,
every pieco of farm machinery-sent to ron heap after a very short term of service. Lackof oil and lack of shelter are the two principal
causes of this loss. Plenty of oil, applied at freauses of this loss. Plenty of oil, applied at fre-
fuent intervals, is a sure way of having a short repair bill at the end of the season. Every implement with wheels should carry an oll can.
Dust proof boxings holding roller or ball bearDust proof boxings holding roller or ball bearand friction, but even these must have a fair share of oil or grease. portance. The ordinary stuff sold by grocery and hardware stores as " machine oil ", or "h harvester oil," when used during our hot summer
season, is little better than greasy dishwater. It season, is little better than greasy dishwater. It
costs anywhere from thirty to forty cents the gallon, and is dear at the price. This stuff, when kept for a length of time, is liable to separate
into two parts: one, a thick, sticky mess, setinto two parts: one, a thick, sticky mess, set-
tles to the botorn, the remainder floating on top, has become so thin as to be worthless. Even
wher oil of this sort is fresh from the manufac wher oil of this sort is fresh from the manufac
iurer, it has not body enough for machinery dur ing the hot season. It runs off the axle arter a few revolutions of the wheel, and the bearing is
soon dry again. During the past summer I used cylinder oil, with good satisfaction. Less ol when ordinary machine oil is used. A fair quality of cylinder oil can be obtained in gallon cans
ior seventy-five cents the gallon. When the charfor seventy-five cents the gallon. Will permit, axle
acter of the bearing and oil-cup will crease makes a good lubricant. It will outlast threshers is superior to the common machine oil, but is rather dirty to use. It can be bought for about twenty cents the gallon. For oiling machinery during the cold weather, common machine
oil is satisfactory. if cylinder oil is used, it must oil is satisfactory; if cylinder oil is used, it must
first be warmed, or it will not flow. When using cylinder oil, it is advisable to cut an inch or over from of the top of the oil can spout, in order to
allow the oil to run mure freely. allow the oil to run more freely.

nid the third by an Ancus. FHRST YFAR
The cavesuwhich wree allowent on nuro



 the recent Winter Fair, at Guelph, one of the na, Ontario Provincial Secretary, upon co-operation. Not every speaker can handle a generaty, tertaining a manner as did the kenlal Provinctal
Becretary
Beneath his irrepressible characteristic humor was expressed the conviction that each man of being benelited by his neighbor's ex
ser ance, and thus making possible every man's , wernce, and thus making posshbe every man s with the article marketed, and thus giving him
the credit for the kind of art cle which he pro
duces. It not only obtans an enhanced price while suckling calves was $\$: 3.37$, making a
"ost of $\$ 66,04$ per heath for these beeve, and the
const per cut., $\$ 7.04$. The selling price, as sold
$\qquad$ For the hand rased foml birth to marketing tustrated from the bacon-hog trade. Farmen was: Whole milk, 416 pounds: skmats hay, 1,751 throughout the country produced largely this de pounds; silage. 224 pounds; bect pulp, 21 , sired type. hok and of the ordinary hog received preen feed, 2 pornds, and gerage cost per head the same prices, and all were loaded into the Q43.35. The a pounds, which compares favorably with the producers of a finished-meat product of such supeWher lot, since thes "the cost of production riority as an gurane the production of highThe time lot was $\$ 4.72$ per cwt. which was $\$ 2$.
inr thia
ier cwt. chaper than the other lot, while the
sold at the same price of $\$ 500$ per cwt. Durin. the year, the cost of feed for the dams of thes
calvea was $\$ 34.65$ per head. and they yielded o

I lithle wil rubbed wer the mouldboard of linder，may save a lot of time and bother the fol－
lowing Last summer I used some cheap machine oil
to brush over the horses during fly time．When to brush over the horses during fly time．Whe
light！y brushed over the hair，it kept the horse tree from annoyance by flies for the day．It did not appuar to injure the hair in the slightest degree More oil of the right sort，apphied at reasonable in tervals，results iner breakages，less expense，les hother．Rather worth the while，is it not？
Middlesex Co．，Ont．W．WIIIAMS．

Clover－seed Production in Ontario The first of the meetings in connection with room on Tuesday，December 6th，at $2.30 \mathrm{p} . \mathrm{m}$ This meeting was a seed meeting，and was ad
dressed by three of Canada＇s best authorities on the subject．In the absence of Hon．J．S．Duff J．Lockie Wilson took the chair，and，after a fe introductory remarks in reference to the impor tance of who in four years had by selection pro duced from one potato 200 bags of fine tubers he introduced T．G．Raynor，of the Dominion De partment of Agricuture， seed industry to－day
Mr ．Raynor spoke on clover－seed production in Ontario，and laid particular stress on the spread
oi noxious weeds throuchout the Province $\frac{\mathrm{H}}{}$ ． drew attention to the literature pertaining to weeds and weed seeds that was available public，as well as any who cared to write for it the Department at Ottawa，on receipt of same the person sending them will receive the bulletin or information required，such as copies of the re port of Col Act，reports of experiments，etc He also drew attention to the large，illustrated bullet in，entitled．＂Farm Weeds，＂which may be
had by sending $\$ 1.00$ to the Superintendent of had by sending $\$ 1.00$ to the Superintendent of
Stationery．Printing Bureau，Ottawa．He also showed a tray of seeds．which can be put up a a cost of $\$ 2$ ，and contains all the noxious weed seeds in such a
familiar with them． some length of buckhorn or ribgrass，and demon strated how to separate it from coman clove seed．The mese－cloth over an ordinary fanning－mill siev and，after dampenirg this，the seed is thrown on and allowed to dry．The longer it dries，the tighter the bucknorn wil stick，and the clover
seed will loosen．and can be easily shaken ofl after about thirty minutes．
He stated that money from redover seed
 seed is usually obtained from the second crop
ile estimated the acreage seeded to clover each year in Ontario at $1,075,000$ acres．The area Producing clover seed is eonfined to that part of
Ontario up）to a line drawn between Kingston and Seorgian Bay．At two bushels per acre．the pro area seeded each year were also used to produce
seed．Onl． 150,000 bushels are exported．and ，robably an equal amount is retailed at hom
Thus，he showed the opportunits for an increas in production of seed．
The Minister of Akriculture wuthorized th
sitection of a number of men the past season twentyelght of them in twents－six countioe These men inspected 15,996 acres of red clovel
and proportionately large areas in the othe
alders Theint the clover fields inspected were clean．Ir guit
clean 1.707 conld lee easily made clean，no He impressed on his hearers the importance
clean，plunp seed．
color is not so importan hut darh－－1wrphe seed is preferable．Farmers wet
requested io send representatioe samples of the seed to the seed Branch Iepartment of Agricul the mails，and the work is done free．＂f charg upon thuse present the necessity of senting re resentatio samples taken from several bags an thes way they can become familiar with the we the inlustrated bulletion．＂copl＂f which shoml at least be form in cath powhic schowl the an


field，if plowe clover．bectul：

the acre he recomments：：i

especially where it is sown on fall wheat or rye．
Alsike should be sown，if grown for seed，at
the rate of 6 to 7 pounds per acre of heavy soils， which are best adapted for producing alsike seed． pounds per acre．He pointed out that most of The weed seeds found in samples of small seeds the field．These places should be cut with the cythe，and ribgrass，where present，should be
spudded out．Bladder campion and ribgrass are Considered by Mr．Raynor to be two of the more common weeds in Ontario found in red clover
seed crops，and bladder campion is one of the very worst weeds to fight anywhere．Spudding out after the hay crop is removed，he recom－ mended as the best remedy for the ribgrass；and spladding out，and the use of sald exterminate bladder campion．
 important questions were answered，Mr．Raynor stating that clover seed should always be sown deep enough to get moisture；that there is al－
ways a market for good clean seed，and that the wroducing of clean seed is in the hands of iarmers，who could improve it by cutting and pulling the weeds from their clover fields．The
mportance of the bumblebee was pointed out，and amportance of the bumblebee was pointed out，and
the knowledge of its benefit，he said，should be instilled into the minds of school children as the est remedy．For black medick，he suggested
beep，and for clover midge，early cutting of the sheep，and for clover midge，early cutt
hay．or pasturing up to June 20th．

## Couch Gpass Eradicated

$\qquad$
$\qquad$ the land for the season in summer－fallow，has
been demonstrated in a good many instances Where a crop of corn is grown and thoroughls cultivated couch grass or any other perennial weed gets a pretty hard rub．Peter White，of Renfrew Co．，had a tield three years ago which was quite full of conch．After taking off a crol of peas and oats，he plowed so lightly as to bare tooth and chisel－tooth cultivators，raked up five to ten wagon loads of roots，and burned them． Then took every other tooth off of the chisel
tooth harrow，and the center row out of the spring－tooth，and cultivated to the full depth of the plowing both ways of the field，then put on a scratch harrow to expose the roots and turn then
up to the sun．The cultivators were run over two or three times after this，and the last culti－ ation was just previous to a frost，which seemet to be just as effective in destroying the roots as a hot sun．
The field was manured heavily during the win
stables ter with manure drawn direct from the stables In the spring，after plowing and cultivation，
it was planted in corn，hills 34 inches apart each way，and，during the growth of corn，cultivated After the corn crop was taken off，the field was plowed in the fall，and next spring cultivated and

clover to two parts alsike and one part timoth about ten pounds of the mixture to the acre． This season，forty－three tons，by actual weigh
Chay were taken off the field，which contains 16 of hay were taken oif the field，which contains 16
acres，and the weed，Mr．White informs us．ha been practically exterminated． He is experimenting with another field now ou of sod，and promises us the results of this ne
season．He considers it questionable whether season．He considers it questionable whether
is any advantage to draw off the roots，an whether it would not pay to leave them

## Commercial Fertilizers on Mangels

The past waste of soil fertility and the pro
ing complexity of farm operations，tend to lea the agriculturist to look for some means ond to simplify
storing what has been lost，and storing what has increasing the live－stock capacit of the farm．Up to the present，commercial fer tilizers have been looked upon as a commodit
tor the use of markel work．That the in
yaged in highly intensive work
mav find profitable use for them in certain
may find profitable use for them in cestated，
is being more and more clearly demonstrated．
the following results with mangels，
Prince Edward County farm during the past
son，seem to add testimony to the fact．It
noteworthy fact that，while some Canadian f noteworthy fact that，while some Canadian fir
crs have used fertilizers without appreciable
Wement to farmyard manure
The test covered three－quarters of an acre Travelly clay loam，selected for its suitabilit，
withont ramard to rotation．The land was ma without regard to rotation．The land was ma
nured heavily during the winter of 1909．an produced a crop of potatoes that season．The mangels were sown on April 15 th， 1910 －thre
plots of one－quarter acre pach．Plot No． 1 re plots of one－quarter acre each No． 2 received 41 poorats muriate of potash． 100 pounds acid phos phate，and 40 pounds nitrate of soda．Plot N received the phosphate and ntrogen ony，at pho ，hate were applied April 5 th and 8 th，and the nitroven on May 31st，after the plants，were well sotarted．The crop was harcen plots，each two square rods in extent，were harvested separately，and the cropn
weighed．The unfertilized plot yielded at the Tate of 65 b bushels per acre Pot No．
the three fertilizers，at the rate of $1,112.66$ bush els，and Plot No． 3 ，with nitrogen and phosphate Only，at the rate of 953.33 bushels per acre．The
cost of the fertilizers per acre on Plot No． 2 wa timating the mangels at 10 cents per bushel，and deducting the cost of the fertilizer，there is Trate，phosphate and potash，and of $\$ 20.93$ from the use of the nitrate and phosphate a cost of $\$ 1$ per acre，gave a profit of $\$ 8.93$ ．It is possible that，as we become more familiar with their usi and learn to know the requirements of our $S$
better．that commercial fertilizers will tabe later，that commercial fertilizers whan they at present．

DELEMBER

Drainage Surveys Popular estly alive to the immense advantages of tile dratinage, Physics Department of the Ontario Agricullural College. These surveys are owner of the farm, at no charge to the individual, save for the expert's travelling ex anses, the cust of this valnable service is ridicul ously. low. It is certainly being appreciated. Prof. Wm. H. Day, head of the Physics Depart
ment, tells us his stat has done more drainage survering this year than in all the previous years since the work was commence Engaged in the work were ten field men, three draughtsmen, ant one supervisor, hesides does the influence of with publicity work.
the work end with the indiviluals whose farms the work surveyed. Advantage is taken of the oppor tunity to hold local drainage meetings, with tield demonstrations. One hundred with an average these have been helt this interested auditors and attendancs. Thus is the good seed sown, ani
spectators.
thousands of additional men interested in an in vestine will be repaid in from one to three years depending upon the seasons, the soil, and the kinds of crops raised. Prof. Day has been col-
lecting data as to the past season's output of the the-yards, and informed
cate .,
recently that 68 out of 150 yards had alcate reported. Most of these showed a larger
ready re the a verage net percentage of increase be
make ing 28.2. At this rate, the year's output should
be about thirty five million tile, which, if all used
in field work. would drain seventy five thousand
$\qquad$
THE DAIRY

## Ideas of Maine Daipymen.

At the annual meeting of the Mrine State

Dairy Aswociation, Prof. If. D. Evans, Firector
State Laboratory of Hygiene, spoke of dirt that
State Laburatory of then, taking up bacteria, he called it dirt that
could not be seen. It was an accompaniment of visible dirt, and was more dangerous because a menuce to health, especially in the case of infants A healthy cow, cleanliness at every step, and cold were t
mones. George M. Whittaker sucd that, in recent investigations, cost of keeping was estimated a anywhere from
from 3,000 pounds to 10,000 , and cost of a quar Crom 3,000 pounds to 10,000 , and cost His advice
of milk was from three to ten cents. Hows; weigh the product, study economic feeding, and keep no mprofitalle cows. Middlemen were sometime
necessary, he would not advise the producer
marhet his own product, unless he could do it a market his own product, unless he coun me means
" botit wer the cost. " boarders" by meat 1is weeding out the
scale and test, Rutillus Alden had built up a
herd of thirty cows that would pay him a gross herd of thirty cows that would pay him a gross
hncome the present yert of $\$ 3.000$ His average
Has pounds, and
mittow production per con 375 pas pounds oi butter per year now
The Association passed resolutions in favor of The Association passed resolutions in favor the
(stallishing demonstration work on farms in then cstallishing demonstration ans part of extension
various agricultural sections as
wort continuing the judging contests in live Stoch and agricultural products at agricumimal
fairs, and the slaghter of tuberculous animal
at the state Fair for efucational purposes ; th
installation of minor arricultural courses in At the State Fair for educational purposes i t
installation of minor agricultural courses in se
anlary schools of the slate ; endarime
of the cow test ant If the cow test and iocal breeders association
and extending it as fast as possible, appointin
and at commitlee to act with that of the live the
Breeders. Association to act as a legislative co imthe on all matters relative to securing a ne
$\qquad$


man men
$\qquad$
The Milking Machine in Use. Hecause of the scarcity of efficient help, and
unticularls of good milkers, those in charge of Warticularls of good milkers, those in charge of
dair- farms where many cows are kept naturally Cim their attention to the milking machine as a the Clifton springs sanitarium farm. Ontario were instatled some time aro, and have been give milhed cows. II. A. Fitch, the farm manager. Cairyman of extended experience, says he wa anided, to a considerate cone faverable advice of the New York Experiment Station at Cieneva. The necessary power is furnished by a three-horse power gasoline engine. During December, about strippers Fach machine milks two cows at timese and by the watch, from start to finish, the milking of two cows occupied about ten minutes after which they were stripped by hand.
necessary. With experience, one man can look hecessary. With experience, ince herd of this size. one wil! he required to carry . was ensiterable manipuather to do the stripping. Considerate manipuclose of the operation; more in case of some cows than others. With some cows the widder will appear to be well milked out, and yet. in a
few minutes the stripper will secure a half pint of very rich milk. As a rule, cows take kindly
to the machine, as it is not noisy, and the cups fit comfortably, and there is little or no truble with heifers that have not been educated in the

ditor "' The Farmer's Advocate" in " The Farm-
Will you kindly allow me space in ". The Farm-
er's Idvocate" to make a few remarks on the criticism I received on my former communications , hace Fditor and 1 A . Austin. In the firs the farmer should receive the same rate of pay per hour as the professional, but I stated those cases to show the wide difference there was be tween the pay rece which the farmer has to b contented with in order to show a profit: and still protest agrainst the idea that the as b Lives his hired man: or, by the same reasoning, the lawyer or editor has no right to more pav for his work than he him that a farmer's pay should equal what he would have to pay a foreman to take the whole management of the farm, besides doing his share of the labor, and I think wa and what was left after paying runniag expenses chould be counted as profits from the farm. farm to no wonder that the hired man leaves the parm to go where he can get more pat
hours than are his lot on the farm.

Hint the silage at $\$ 2$ per ton. Webster Bros. writing in the Week-
ly Sun, on the value of silage in comparison wimer and timoth hay', ${ }^{\text {place a }}$ a value
of $\$ 4$ per ton on
tich the silage. Which
is right? If Webster Bros.' figures $\$ 80$ will have to be wiped out on the
profits of those cows Tuke the whole
feed bill. $\$ 186$, and ake off the value of H. S. Austin's hatest estimate of
the manure, $\$ 185$ the total cost of
feerl over the value of manure is $\$ 1.00$.
When I asked what Whene asked wha
those three veal was told that
they took their feed
direct from the cows, but, on refer-
ring to the essay 1 find this state-
ment: fed to calves and
pigs, $\$ 70$ and
feeding is necessary in the cleaning of the cups, tubes, etc., and also when the cups are put on the teats
for milking, that no bits of litter, such as even ar milking, that noll, drop within, as it will be suched along the tubing to where the pipe is small, and stop the low, lapsed, and his comparatil a trials were completed, Mr. Fitch did not feel in a position to express himself fully in regard to the merits of machine milking, heyond observing that if he could secculd do it as well as he could himself, he would probably not have had to re-
hort to nachines. About five quarts of gasoline
hath with sort the were required for the engine, which, with Thl, Hace Cood dairy cows are also difficult to se-
cure nowadas, even though very high prices are paid. Dairymen who are under necessity of sup-
plying certain quantities of milk the year round plying certa in quant in "fresh ". cows, and farmers
are obliged to buy are loath to sell their best. The high prices predalling for veal cause Buffalo and other markets. When $\$ 15$ to $\$ 18$ can be secured for a good six silame ber day shen in two feeds, morning and
e will take the cost of feeding silage and -2 cents per day. I would like to see the reader of this paper who would be wix months, let alone feed those cows and yive them other necessary at
fention, for the sum of $\$ 3.60$. tention, for the sum the stand I took on the value
A few words on the of manure. I do not deny that fifty loads is not worth $\$ 100$, but can t make out how he the ma got that much romem: and, to prove my stand, will give figures to prove as to the amount of manure made. My averace stock condists or 40 sheep, 20 hogs. I feed on an average 50 or 60 tons of clover and timothy hay, and two or three acres of dry fodder corn, and I use about
60 loads of straw, counting it as it comes from the field, for feed and bedding ; in fact I keep the gutters full all the time, which takes up every rop of liquid excreta. The manure is kept in
shed, and tramped by cattle when let out to water, as I keep a water tank in the same shed Besides. I feed about 1,000 bushels of grain. Yet with all this stock, feed and bedding, I never yod As to those hogs, with which I claimed io have made a profit of 100 per cent,, it is easily expluined Cheap Ieed and the time I fed those hogs, oats were sell-
it.
ing here at 30 cents, and barley at 40 cents, per ing here at 30 cents, and
bushel. Besides, if there is not 100 per cent. hushel. Besides, if there is not do we have
profit at those prices, what profit do we
when homs are selling at 5 cents to the farmer

GARDEN \& ORCHARD. Quebec Vegetable-growers Hold Profitable Convention
Over a hundred representative Vegetable-grow-
ers, principally from districts on the Island of
Montreal, attended the second annual meeting of Montreat, atencer Vegetable-growers' Association, held at St. Laurent, Dec. 14th. The session occupied the afternoon and evening, and, judging from the properly discuss the various addresses.
The old officers, with the exception of some
changes in the executive committee, were re changes in the executive committee, were re-
elected : President, Paul Wattiez, Outremont; Vice-Presidents, J. McEvoy, Rosemount, and J B. Beyries, Cote St. Paul; Secretary-Treasurer,
Anatole Decarie, Notre Dame de Graces. The following resolutions were adopted unani Resolution Regarding Organization.- Whereas,
this Association has been incorporated under the this Association has been incorporated under, the "Co-operative Agricultural Association Act," by
the Department of Agriculture, Quebec, and a sum of $\$ 400$ per annum granted by the said Provincial Government; therefore, resolved that this Association convey to the Honorable Minister of Ag culcure of the Province of Quebec the thanks of valuable assistance thus rendered. Resolution Regarding Experimental Work--
Whereas, problems of special interest to the VegeWhereas, problems of special interest to the Vege
table-growers should be worked out on some the vegetable-growing lands situated in the principal vegetable-growing districts of the Province, therefore, resolved that, in the opinion of the
members of this Association, such experimental work should be undertaken by this Association, for which one acre or more of land should be
rented in one or two places for the purpose of rented in one or two places for the purpose of ried on under the supervision of the Executive of
the Association.
Resolution Regarding Standard Weights for Resolution Regarding Standard the standard weight per bag for certain vegetables not being the same in different Provinces of the Dominion, and the standard weight per bushel of certain vegetables being greater than their actual weight per measured
bushel; therefore, resolved, that this Association
$\qquad$ recommend the Dominion Government to pass
such law as necessary to legalize the following weights throughout Canada


Fruit-growers' Views on Reciprocity
nadian farmers no doubtecially the great hordy of Co
cormmontics, such as wheat, cheese and cattle,
are convinced that their best interests, as well as
The hest interests of the Imminion kencrally, liee
in a reduction of cour present tariff. secured in

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$\qquad$
$\qquad$
crowers; therefore, it was urged that the mat States should be given the most serious con sideration, and whatever action was taken shoul,
be done only after consultation with the officer representing that Association, and that all pos representing that Association, and that al pore It is gratifying to note that, in regard to th substantially in accord with the platform adopte by the fariners' delegation.

## PPLF-GROWERS' VIEWS

Supporting the unanimous opinion of the tariff States in all agricultural produce. Jas. E. John son. President of the ontaplonatult-growers' As reciprocity would affect the interests of our Cana dian fruit growers, and particularly our growers Johncos. The district I represent, said Mr gaged in orcharding. In this as in many othe sections of Canada, the apple business is bein Tapidly improved by co-operation of the grower of their fruit, and the reconenized superior qualits of our fruit guarantees that, with expert methods ket. In the County of Norfolk we have a ca apples. This association was orranized five year ago, and in 1910, even with the short crop, sold nine times the quantity of fruit handled in for further development of the apple business Ontario, under the co-operative system, are ver " But, while the business of apple-growing moted the the opening of wider markets Republic to the south, with a population mimety millions or so, and a rapidly-growing de excellent additional market for our fruit . Even in the face of the duty prevailing, the shipment. States were 6,000 barrels. while 25,000 barrelf iand and Scotland. Had there been free trade in apples, we would have been able to sell our whole crop 50 cents a barrel better than we did. Ther
are varieties of apples, such as Greenings. are varieties of apples, such as Greenings, Belle
Ilower and Tolman Sweets, which are not wanted at all in the Northwest, but are readily taken at d good price in the United States. Apart from import American fruit to advantage, and many sections in the United States which could use scarcity, the Canadian West would like to dra upon the Pacific Coast fruit more largely than it
does. while, in seasons of more heavy production
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ dutins on apples onterine either country. Red


$\qquad$

Effect of Scall Fungus on the Set of Fruit
 portant point about apple scal) allecting the set
of fruit that has been investigatel at Cornell
in Tinversity. Mr. Case was quoting from Proi. H.
II. Whetzel, Plant Pathologist, of Cornell, though Igricultural College, that he believes the work on tistant, Erreb Wallace, a Nova Scotian by birth. The point discussed by Mr. Case was not entircly
new to Canadian fruit-growers, Mr. Cæsar having irequently endeavored to make the same thing
We quote Mr. Cresar as follows: (in the twigs, but in the diseased leaves on the and inge leaves, and has formed little projecting dark areas (perithecia), inside of which enclosing several spores. When these have got about mature, if a spors comes, the effect of the moisture is to caus
rain che little sacks to shoot the spores out like
the the little sacks a popgun. The wind carries these to
wad from a pore the lower leaves. Now, themselves on the leave Consequently, if a fungicide is not put on to preent germination, once the hlossom buds are sepfrom the enveloping scales on the stems 1) open, the scab spores may and, by germinating, and the fungus Cating the strength out of them, cause the fruit to drop. If it is put on, the spores cannot ger-
uinate, and, therefore, the fruit will not drop (10) the same extent. This, all boiled down, comes t1. this: The spores of the apple scab begin to
ty around shortly before the blossoms open (I have (requently seen the disease on the leaves by this eate). There make our first application just he scab, we musoms open. We must not, however, forget that a fresh crop of different spores, known as the summer spores, quickiding rapidly the leaves on the trees, and spay, so that this is hy the time for the time to spray. If these two spray ings are given the worst time for the spreat of the disease is tided over, weather is quite moist, no further secause there are essary, as a rule but because they do not get fav orable opportunity to germinate
In reply to a question which we addressed him, as to the cons are late in opening, if one is to spray when the blossoms are jurt Cexsar exto open on the earlier varieties, arience, a spray plains that he the blossoms are just beginning open on the earlier varieties destross an extent the scab spores, and prevents to such at may be infection rom leaves at this time, that we can forming it, along with the spray immediately after the blossoms fall, to give us ansoutely - Hean fruit in almost all the districts of the district just nce. though a few places like the dithere there is so
along the St. Lawrence River, where that an extra spray about
much moisture, may require an extor the codling
(wi) weeks later than the one for the An Apple-buyers' Experience. - " There has been less trouble before," said A Lum of fruit this year than ever before, saia to



One Hill of Potatoe


The Sayings and Doings of "Donald Ban."


Raucous challenge, woongs me
Every migrant is my fellow,
Making Northward with the Spring. Louse me in the urge and tide-drift Of the streaming hosts a-wing
'Shrilling pipe or fluting whistle
n the valleys cone again
Fire of frog and call of tree toad
Shrilling pipe or fluting whistle

- Hasn't that got the very soul of a sprin day in it? Still, there are things that are lef
out. To me there is no finer sound in the spring out. To me there is no finer sound in the spring
than the robin, when he sits on the top limb of tree at daybreak, and seems to be saying
'Plow it, sow it
Reap it, mow
Did you make that up yourself ?" asked his 1 did not. That was told me by Jim Hyse man that never wind Then, there's the whispering of the south wind in the apple trees, and its long sigh as it comes sweeping over the wheat fields. the reap
the far-away clacking of the mowers and ers, too, and even the droning of the threshing machine sounds good when there has been a goo crop. It makes you feel that Mcintyre, of retger soll, though people faugh a him, was gettin
'Fifty bushels to the acre
Makes us grateful to our Maker
"Later in the year, especially in a fine Oc
tober, the air seems to be full of sounds that
come dropping down through the still come dropping down through the still air all have a little tinkling music of therr own. The thunder-storms are grand. I like them bes when they come in the night, for then I remember
Byron's piece that used to be in our old school Byron
books
- And this in the night ! Most glorious night Thou wert not sent for slumber.
A sharer in thy fierce and far delight,
A portion of the Tempest and of Thee.

$$
\begin{aligned}
& \text { A portion of the Tempest and of thee. } \\
& \text { That poem always stirs me up as a trumpet } \\
& \text { micht rouse a soldier. When I look up at }
\end{aligned}
$$ call might rouse a soldier. When I look up at tains, and sem to be answering one another, can imacine myself in the Alps, instea

Olat fields of Ontarin
From "' TFar alony
From peak to peak, the rattling crags among
Leaps the live thunder. Not from one lone cloud But every mountain now hath found a tongue And Jura answers through her misty shroud
Back to the ioyous ". I always get wi at night when there is thunder-storm. I make believe to your mother
that I want to see if the windows are all shut and if the eavetroughs are right, but what really want to see is the storm, and to recite we have fine storms that are full of the howling and bellowing of the winds as they chase th.
snowdrifts across the fields. I like to be out in them when I am wrapperd up warm, and it is then
$\qquad$
$\qquad$ ." Donald Ran, Donald Ban, when you talk like minister." ". Minsters don't talk like that," he pro tested. "I didn't say a word about your morn find in lifo that are goond to see and hear and feel There's now pace for finding them like the country
You can't find them in the city, and I am sorr
$\qquad$
$\qquad$ world good to lixe in, and is clad to learn any
thine that will make it seem better. I see na enioy thinis that I do not. The good books a him. and as I saill hefore. all these things can
$\qquad$
$\qquad$

POUR
LUPY

Nearly Three and Three-quarter Billion Dollars' Worth of Crops.
Boa:d of the Bureaul of statistics of the United
States Department of Agriculture, based on the
States Department of Agriculture, based on the
reports of the correspondents and agents of the Bureau, indicate the harvested acreage, produc tion, and value of important farm crops of the
vet her with such less-muportunt ones as rise, buch Ist 1910 was $\$ 3,735,464,000$, uga inst $\$ 3,971$ der.

How New U.S. Regulation Affects Canadian Live-stock Exporters.
Canadian stochmen will he interested to learn
just what conditions will the imposed upon men
shipping stock to the I'mited States by the new
$\qquad$ ington, and explained on page 1946 of our Christ-
nas Number It will the noticed that resistra hon in the following Canadian records will be ac of record for the granting of import certificates
$\qquad$ In Cattie-Aberdeen-Ancus, Ayrshire, French
$\qquad$
$\qquad$
$\qquad$
$\qquad$ "unada will require to be recorded in the ("ana
lian books. or whether, in case of animals first wadan books, refistration in the foreign books iffeatest is not marle merfectly clear though we Xational Records has taken the matter up with mectend. This mach is clear, at all events after
$\qquad$
$\qquad$
$\qquad$
$\qquad$
'ГHE FARMER'S ADVOCATE
member 29. 19411 THE FARMER'S ADVOCATE

Canadian National Records Office is obtaining
Cull particulars from Washington, and expects t make arrangements for the issuing of a Canadia export certificate, the onsect ness across the line. rather hard, as a number of them still record in the American flocklooks. Henceforth they wi have to record also a he Canaorted sheep, de pending upon

The Short Courses in Live-stock Judging
This is the season of short courses, and they are surely coming in occupy the center of the stage. of ontario; in 1909 there were 25 , and
Province of Ointer there will be at least 45 held
during this winter before the season is over. The prospects are that a short course wing the winter of $1911-12$, Branch of Ontario. But the truest test of the usefulness and
schools lies in the individual course. On Decemher 20 h . 21 st and 22 nd, Messrs. Mepenney managed the first live stock-judging short course ithe A. C. A. J. A. Mclean, of " The Farm dairy cattle, Clydesdales, Poland-Chinas, and
Percherons, the forner taking the first three of these divisions, and the latter hach of the afternoon sessions. and close to as many in the morning was sufficient testimons the the appreciation of The story of the Fissex short course is, in brief within any reasonable distance of the place gladly
bring in the best of their stock, charging simply the addlitional expense, and not always that. The
 nown sessions, at Warkworth there were ove
2out. Deep interest, animated discussions, an
, mark the feeling expressions of satisfaction, elaarses.
the localities towards these classes
the inilial success of the short courses
 mongst their peop in the various phases of agr culture that they have won the conrse is presented
counties. This. when a short coure full to overflow he comfortably-heated tents are fun in evidence II are eaker to learn; thes usk questions about unsoundneses, the
type, about quality, abo fant to know the standards ard the shortcom

## Coming Events.

 castern ontario is 20 Ottawa, Jan. 16-20.Oistern Ontario Dairsmen's Assoctation. Innual Western Ontario Dairymen's Annual convention.
 tion, Jan. Growers' Exhitition. Chatham, Ian Beginnmy with september. 19011, Antion fees Whe charged students who enter from outside
 War in December was 1.254 , compared includes 784
in 1909 . The number this year merts. It is ex
iegular and 470 shortcourse students.
 York state next year possibly deterred by th
diminution of outsiders
hes. The trustees have decided to "ffer " limmtem
Tuperiou
 mitside students as an "ncompacto
iass




Western Daipymen's Convention The evidence ois that in
at stratford.


Express Rates Excessive.
$\qquad$ Railway Commissioners has issueci a judgmen covering 114 pages of typewriting. This judg yet handed down by the Railway Commission. I declares that the express complanies are grossil overcapitalizell, that their forms of contract with shippers are unfair, and that the express con Wanies are practically owned by the railroad con Panies, whose earnines on express trame are
cessive. The Board finds that pypress tolls an unreasonably high and orders the filine of ne
tariffs within three monthe


Baroness Insch (imp.) $|20270|$ Thampion (Tydesdale mare, Ontario Winter Fair, Ciuelph, 1910

\author{

- mercapitalizh
}

Wealing with the question of capitalization the judgment remarks that the Canarlian Express thousand dollars the (irand Trunk Railwar n 1892 . Was valued at sixty thousand dollar: the six hundred tholisand dollars the sing presum of assets has krown to $\$ 212,719$, and there ar three millions of stock outstanding in the hand of trusties are is in tangible assets to repre pans the threc millions of stock is the $\$ 212,719$ In the case of the Dominion fxpress Company which is controlled by the (. P. IR the capitalizaever paid into the company, so far us the boary could ascertain, The assets now stund at some think less than six hundred thousand dollars, ye

PATMFNTS TO RALI,

Nidence of heavy payments to companice. n the case of the Dominion Fxpress Company, n the seven
on the p
on Dourne the came periont, the Canadian Fixpress omprany he athe , otal revenue of $\$ 13,362,266$,
$\qquad$
$\qquad$

Express Company is quoted to show that in one year the U.P. R. Was orerpald ers for station accommoda forty thousand explanation was that the company was providing for a bad year. On this point the judgment states: It itself with as if the express company was finding, if retained might show very heal
highly-inflated capint

## RATİ ON FRUIT

Dealing with the proposal of the fruit-growers hat an order should he issued in respect to the rough handling of fruit, the judgment says an order of the Board would not prevent an employee
iroun damaginy or pilfering. Besides. any action or damages lies with the shipper. ind damages lies with the shipper.
The Board orders that the Domino Express omnany reduce its carload rate on fruit from Ontario shipping points to Winnipeg to $\$ 2$ per
It is pointed out that if the hundred pounds. It is pointed out that company can gice, as in points, af British Columb the same for Ontario grower
RADUATED CHARGES

Dealing with the question of graduated charges he judgment directs that the clause in the classi fication providing that when a rate hetwheen any should be charged be eliminated. The commanies must extend the freight tariff of graduated charges so as to provide reasonably proportioned
"graduates $"$ for all hundred-pound merchandise "graduates" for all hundred-pound merchandis RETURNED EMPTIES.
is to returned As to returned
empties, the Board
orders that empties orders that empties cutstanding may be
returned free for period of four
month arter the yoes into effect, pro viding the shipper within thirty day RATES O

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& \text { CREAM. } \\
& \text { change is }
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$$

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& \text { to be filed by the } \\
& \text { express companies }
\end{aligned}
$$ express companies

is to provide that
the existing rates on sour cream will the the rate upon all
cream when shipped to creameries for
the manufacture of remain as it is upon creamı
mest do-
purposes. crean the cream for anderm creameries, Study the problems of the soil, young man,
and find in their solution, not only profit, but the fascinating interest of science and that solid satisfaction which comes to him who grapple
successfully with the conditions in which he has successtucy
been placed.

Humus-making crops are such grasses as tim
othy, clover, blue grass, brome grass and al falfa. It has been found by experiment at Un
versity Farm. Minnesota Experiment Station, that grass land plowed and put into crops is under better conditions of moisture and freer from weeds than land that has grown grain continu-
ously.

An organization of farmers' boys, called "The Tree-planters of America," has been started in the
Tnited States to promote systematic tree-plantUnited States to promote systematic tree-plant
ing in proftless pastures, nooks, ravines, on useless or worn-out spots, or partly-denuded for the soil is not yielding, a reasonable contribution the general welfar
If the farmer decides that he will himself put an end to his own isolation, and work in coperation with his fellows for all the great obfo each farming neighborhood, then the beginning of great things will have arrived. The co-opera-
iive spirit is the master spirit of this age, and the farmer has been the last to feel its influence

THE FARMER'S ADVOCATE

## The Canadian Bank of Commerce

Affords to farmers and others every facility for the transaction of their banking business. Accounts may be opened by mail and mone in this way with equal facility.
SALES NOTES will be cashed or taken for collection. Branches throughout Canada, including Toronto, Ham-
ilton, Montreal, Charlottetown, New Glasgow and Truro.

## MARKETS

## Toponto.

REVIEW of Markets, 1910. Canadian farmers, and especially those of Ontario, have little reason to be dis crued to them from the last year's operations on the farm. With few exceptions, held as high as those for the year 1909 and in some cases a higher range of figentire year. During the latter part of 1910, there was a tendency for prices to
show an easier undertone, due partially to the effect which extremely high prices have had on sentiment, and to the slow This has been felt more in the cereals than in anything else, but it has also in
fuenced very materially the price of hogs which show a decline from the early part of the year till the end of the year of
30 per cent. The main reason for the decline in the
prices of all grains has been largely due to the world's crop, which, beginning
with wheat and continued down through the entire list, shows an increase of pro duction in excess of that of almost any
previous year. Ikussia has been a very
tmportant factor in the prices for wheat this year, and, although actual figures cannot be obtained of this crop, as is
usually the case. the exports from the
Rusian ports have confirmed the conviction that the crop of this eastern section of Europe was wonderfully prolific in
1910. In Ontario, there was a fair aver ag good crop of hay. The disastrous re sults of the drouth in the Canadian
Northwest has had its effect on Manitoba Wheat prices, and has held them ubove the crop in Manitoba and the other
Western Provinces had been as bountiful Westerns of previous years.
as has been reaped in Ontario, and the ex cellont results from the root crops, the
prices for feed have held up remarkably well, showing that there ean be very lit
le falling off in the live stock in the Province.
In dairy products, the results were bet
ter than those of the previous year, due ter than those of the previous year, due
to good pasture throughout the entire
summer. There has been a a little shading summer. There of cheese and butter, but
in the prices of
the home consumption the home consumption has been sufficiently
good to make a strady and proftable
market for these product all descriptions continued to be somewhat acarce, and th
prices which
kept the quotations for all classes o poultry
year. The results in fruit of all descriptions
Tith the exception of apples with the excep crop in Ontario. There has bee average ctalling off in the crop of apples
a steady
whlch has resulted in bringing about price for one of the varieties higher than
perhape in any other year in Canada's

|  | 1911 seems to be fairly promising seeding was done under favorable tions, and save for an abnormal there is every reason for believing next year's crop will make a good start. The high prices which have been paid re cently for feeders and stockers would seem to indicate that cattle prices will continue to increase at least until grass cattle commence to show themselves next and other farm products which has taken place during the last few months, there but steady prices are warranted until the balance of the crop for 1910 has been disposed of. $\qquad$ City and Union Stock-yards last week were as follows. |
| :---: | :---: |

the difference amounting in some in starting in January, No. 1 inspect while in December the same grade fell altimately reached 9 cents, which was the explanation for the decline in hide quotadions is the much lessened demand in the ing off in the export business, the demand product. The British boot trade has ears, and curtailed to a very consider-
bble deprie thie exports from the United正

Wheat. -No. 2 white, red or mixed, 85
86 c ., outside. Manitoba wheat. northern, 98c.; No. 2 northern, 95 tc
No. 3 northern, $93 \mathrm{c} .$, track, lake ports. Rye-No. 2, 59c. to 60c., outside. Peas
No. 2, 78 c to 80 c , -46c. to 47 c ., outside. ${ }^{5}$. Barley-Malting 56 c . to 59 c .; for feed purpey-Maltin sid. Oats-Canadian Western, No.
38łc.; No. 3, 36łc., lake ports; Ontario.
No. 2, 32c.; No. 3, 31c., outside. Corr American new, No. 3 yellow, 53 yc., Ts
Antorn cent. winter-wheat flour-Ontario $\$ 3.55$, at se board. Manitoba flour-Toronto price
are: First patents, $\$ 5.40$; second pa strong bakers', \$4.70 Hay.-Baled, in car lots, track,
conto, No. 1, $\$ 12.50$; No. 2, $\$ 8.50$ Straw.-Maled, car lots, track, Toronto
$\$ 8.50$ to $\$ 10.50$. Rran- Manitoba bran, $\$ 21$ Ont
shorts, $\$ 21$ Ontario bran, $\$ 20$ in hag COUNTRY PRODOCE Rutter.-Practically no change. Oreaun
ry pound rolls, 28c. to 28c., and Locus Hill brand, 29 c .; creamery solids, 25 c
separator dairy, 24 c . to 25 c .; store lots. Eggs.-Strictly new-laid, 50 c . to
cold storage, 27 c . to 28 c . On the t ers' market last Saturday, 61c. per doza
was paid for small lots of strictly nex laid eggs.
Cheose. 12c.; twins, 12 ch.
Beans. -Market firm, at $\$ 1.85$ for hand Honey.-Market steady; extracted, 11 2.75 per dozen sections.
Poultry - -Dressed, turkeys, 22c.: gees Pns, 12 c . 13 C .
Potatos.-Car lots, on track, Toronte
$\qquad$
$\qquad$ inspected steers and cows
$\qquad$ heep skins, 65 c . to 8oc.; horse hidd toronto shed market.
$\qquad$ lo. 1, per bushel, $\$ 7$ to $\$ 7.50$; alsike
 Fruits and vegetables.
apples,
$\qquad$ 2, $\$ 1.75 ;$ cabbage, per $100, \$ 3.50$; cal
rots, per bag, 50 c , bets, per bag, 6 (oc
,nions, per hag. $\$ 1.25$; parsnips, per ba,

Chicago.

 roughs, $\$ 7.50$ to $\$ 7.65$; good to choice
heavy, $\$ 7.65$ to $\$ 7.90$; pigs, $\$ 7.10$ to $\$ 7.85$, buik of sules at $\$ 7.70$ to $\$ 7.85$.
Sheep and Lambs. - Native, $\$ 2.40$ 84.15; Western, $\$ 2.75$ to $\$ 4.10$; yearlings,
$\$ 4.50$ to $\$ 8.60$; lambs, native, $\$ 4.25$ to
8.25 ; \$6.25: Western, $\$ 4.75$ to $\$ 6.25$

## Buffalo.





## THE FARMER'S ADVOCATE

## Montreal.

 Live Stock.-Shipments of cattle from1.ortland and St. John during the week
ending December 17th, amounted to about ending December 17th, amounted Co abou
1,400 head. Receipts of fancy Christmas
cattle at the local markets were large cattle at the local markets were
fancy stock sold up to $\overline{\mathrm{c}}$. and 7 c . pe th.; very choice sold good at 5 c . to 5 fl c.; medium at 4 c .
4 qc .. and common as low as 3 c . per ib 4 la., and common as low as 3 c . per
cows being included in this. Calves tows being included in and choice sold
tinued firm in to tone. and per lb., and lower gradea ic. to 7 cc . per 1 lb ., and lower grades
5c. to 6 c . per 1 b . The market for shea 5c. to 6c. per lb. The market for shee
and lambs was firm, at 4 gc . to 5 c . par and
lb. for sheep. and 7 c . to 7 fc c. per 1 b . fo
lambs. Along with the rest of the lambs. Along with the rest of the mar
ket, the price of hogs was firm, at aroun ket, the price of hogs was firm, at aroun
$\$ 7.15$ per 100 lbs. On the whole, the quality of the live stock offered was
equal to that of previous years. Horses-The market for horses showe very little change. It is hoped, how-
ever, that in a few weeks buying will b gin again, and dealers they have in their
of some of the horses the stables. For the most part, however,
there was just as much trouble obtaining horses as disposing of them. Prices were
as follows : Heavy draft, weighing trom 1,500 to 1,700 bss., $\$ 300$ to $\$ 350$ each; light draft, 1,400 to 1,500 lbs., $\$ 225$ to
$\$ 300 ;$ light horses, 1,000 to 1,100 lbs 8300; light $\$ 100$ to $\$ 200$; old, broken-down animals, $\$ 50$ to $\$ 100$, and choice carriage and
saddle animals, $\$ 350$ to $\$ 500$ each. Dressed Hogs and Provisions.- - he ady
ket lor ressed hogs was about steady o 9 ac. per 1b., and country - dressed ar sigc. to 9c. per lb. Demand tor cured
meats was good. Barrelled pork ranged



 per 1 b . for Wiltshire sides: 18 c . for cot
tage rolls, $15 \ddagger \mathrm{c}$. for Windsor skinned
backs. 14 c . for spiced rolls, and $14 \ddagger \mathrm{c}$. for brown brand of English dacon
Poultry.-Owing to the approach
christmas the market for poultry wa Cristmas the market for poultry wa
very strong, and prices exper
venced a coneral advance. Turkeys hav
enco selling na high as 23 . per 1b, an

 ducks
very litte demand for geese, and it wa
thought that these would be higher thi week when the New Years
comess on.
Potatoes. -The market has again d Potatoes. - The market hac. per 90 lbs
clined, and ranges from 80 .
to 82 tc., carloads, on track, for 9 reen 1o 82 cc , carloads, on track, over again
Mountains. These were sold ones
at about 8 .c. between dcalers. were fairly plentiful at the moment was
Apples.-The market for apples was hicher last week than it has beend ther
season. Supplies were light, and
was a anod demand, doubtess owing to season. Supples were doubtless owing to
was a good demand, apples
the approach of Christmas. No. 1 app the approach of Christmas. No. 1 apples
sold at $\$ 4.75$ to $\$ 5.50$ per barrel, while
No 2 sold at $\$ 3.75$ to $\$ 5$, and No. 3 at $\$ 2.75$ to $\$ 3.60$ per barrel. Spien
brought high prices all round.
not


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 and


British Cattle Markets.
John Rogers \& Company, Liverpool
chbled quotations as
aollows: steers, from 12 c. to 13 c . and
Irom 111 coc to 12 to. per pound.
World Crop Reports The Crop-reporting Board of the Burea
Th Statistics of the United States De
Dartment of Agriculture estimates, fron The reports of the correspondents an
agents of the Burcau, that the total pro duction of cotton in the United State
Cor the season of 1910-11. will amount $t$
. 464,597,000 pounds (not including
ers). equivalent to $11,426,000$ bales fon pounds, gross welght.
Winter wheat.-Area sown this fall 2 ,er cent. inore than the revised estimate area an increase of 828,000 acres, the in-
to an
dicated total area being $34,485,000$ acres. Condition on December ${ }^{1}$ was 82. aqainst 95.8 and 8.0 ond and a to
1909 and 1908 , respectively, and year average oral ore the wheat crop
Australia.-The
Australia for 1909-10, is estimated Australia for 1909-10, is estimated
$33,263,000$ bushels, as compared to 6 863,000 for 1908-09.
Early official estimates ol now need
wheat crop of Furope will now
vision. The final official estimate of vision. The final official estimate expecta-
important crop of Russia exceeds ex 1010 vield of the tions, and puts the tushels, or only 10
Empire at 773 million buah the high-record mulion bushels less than the high-rocores
mitput of 1909 . In view of these figures
out it is obvious that the total quite, equals
wheat crop almost, if not vlous season.
In bulk, the Great Britain 1910 whea
crop amounted to 58 million bushels crop amountect ${ }_{5}$ million bushels less
Although about
than that of last year, the quantity, owing mainly to augmentation of acreage
in late years, exceeds the ten-year aver-
ane Barley, with a 60 -million bushe age. Barrey, slighty over average, but
crop, was also oligh
ander million bushels under the yield of las $2 \frac{1}{2}$ million bushels was exceptional in that it
season. Oats way a heavie is the only cor the preceding year. Th
out-turn than in hay crop, as might be expected frous ally,
character of the season, was unusuall character, the total output being 9\& mi
abundant, heal
lion tons, against $8 \$$ million a year ago lion tons, against
the average is about 9 million tons. France-Yields of rot crope deficien
whole, bave proved even more than those of certealies for food supplie has thereby been further increased. Po tatoes, which constitute an importan eloment of human and anmman afacture
ele also much used in the manad as a ha
are
starch, are officially retuned as
owing to disease, due chiefly
 two preceding years. Obviously heavy imports will be required to make up the
deficit. Sugar beets, though not so deficit. Sugar beets, though not so
disastrously affected by the inclement disastrously affected by ye lar's output
weather, are short of last year
by over a million tons. The yield per by over a million tons. The yield per
acre-about $11 \pm$ tons is the average is this season returned as 9.9 tons, making
the total out-turn less than for several the total out-turn less thans, fall seed-
years. In favorable seasons,
ings are practically finished by mid-Noings are practically finished by yar from
vember, but at that date this year
30 , 30 to 40 per cent. of was reported unsown. Seed which went into the ground during the exceptionally fine October germinated satisfactorily; in some
ties, however, damage from field mice and slugs necessitated considerable resowing,
and the subsequent bad weather is not and the subsequent bad weather
regarded as conducive to a hardy vegetation. The present agricultural prospect is spoken of generally as being somewhat
similar to the deplorable conditions similar to same
at the
when heariod last year
whear October, and continuing at interval
throughout the cereal season, resulted in
ane one of the most disastrous years agricul-
turally in the history of the country. Italy. - Weather conditions during the
past month have, on the whole, been seasonable, and the development of the grow
ing cereals is generally spoken of as mak ing good progress. The area sown to
winter wheat is believed to have been winter wheat is bellieved to have on accunt of
considerably increased. On and
the deficiency of the 1910 wheat harvest, the deficlency of Agriculture estimates the
the Ministry of import requirements at about 75 mith an
bushels, as compared with an actual imbushels, as compared when last year.
port of 35 million bushels
Fruit crops, and the yield of cocoons, Fruit crops, and the yield of cocoons,
were seriously curtailed by cold, rainy were seriously curtailed by cold, rainy
weather in early spring, and the vintage
becauce of insalubrious atmospheric conbecculse of diseases of the vine, has
ditions and
and given even poorer results of grapes is offi-
The yield of anticipated. The yield of grapes is on-
cially returned at $5,951,000$ tons (2,000
cons $10.853,000$ tons ounds each), against $10,853,000$ tons
nound
ne rice crop is offlelally last year. The rice crop is ond as com-
estimated at $965,615,000$ pounds, as comen ared with 1,093,000,000 pounds a $94,821,000$ bushels the previous season
Belgium. The potato crop, according recent official statistics, is short in an
parts of the Kingdom. In some locali-
Linder tailure. Lands parts it is a complete failure. Lands
ties it is
which normally return from 225 to 450
450 bushels per acre, have
yields ranging from 150 to 200 bushels
in the humid regions results have faller In the humid regions resuts herage year
as low as 25 bushels. In avo the domestic crop ams Heavy importa to 90 million bushels. Ye required to make
tions will probably be requr Germany.-Seeding of winter cereals wa. Practically finished by mid-November
the autumn has generally been a dry The autumn has generally been in most
one, and late field work was in mond
parts rendered difficult by excessive hardness of soil. Early-sown rye germinate well, but growth has been retarded
many districts by lack of sufficient mois many
ture; of late-sown fields of both wheal and rye, some are described as lookin Europe, much damage is reported from fields have had to be replowed. on whole, the condition or vegetation is the event of a cold, open winter. La somewhat botter than expected, the pro Conged spell of dry weather hat had
hecked the spread of rot. which had proved so calamitous to the early varie
ies. In the southern part of the Em-
in pire, however, yields are very unsatisfac ory, damage from disease and rot having been beyond repair.
Russia.- The Central Statistical Committee has recently published its fina
estimate of the 1910 production of spring wheat barley oats, and corn, in 78 Guv ernments of European and Asiatic Russia. The yield of spring wheat, as stated by
cable, is in round numbers, 524 million $=2=$
you can keep your head
about you
losing theirs and blaming it on
you; trust yourself when all men doubt you,
make allowance for their doubting. too : by waiting. about, don't deal in lieso being hated, don't give way to hating,
nd yet don't
and yot don't look too good, nor talk
too wise :
if you can dream, and not make dream your master:
you can think, and not make thoughts your aim:
y ith triumph and dis aster
treat these two impostors just th d treat these tw you can
spoker wisted by knaves to make a trap for watch the things you gave your life to broken,
nd stoop and baild erm up with worn you can make one heap all jour winnings

$$
\begin{aligned}
& \text { toss, } \\
& \text { sse, and start again at your be }
\end{aligned}
$$ ginningsloss:

and sinew
gone,
And so bold on when there is nothing in
you
xcept the will which says to them.
you can talk with crowds and keep you can calk
your virtue,
walk with ki
walk with kinge-nor lose the com- meither foes nor loving friends can hurt you,
all men count with you, but not too you can fill the unforgiving minute With sixty seconds' worth of distance, irs is the earth and everything that in it.
Ad-which
my so
Hudyard Kipling, in American Magazine.
N Now, tell me, Mr. Mr._, what are the
knights of the Bath?", He stammered or a while, and finally blurted.
Why, Saturday nighte, I suppoee."
"I understand Brindle and his
"arrellod. What was the cause? Uarrellod. What was the cause?" in the
"Wrinte lost his wile in "Why, Brindte lost and went about peeking under all
rowd, and wash that looked hilo
he peach-basket hats that
hers-and she saw him and got mad."
in October, were 249 mimion bushels, yield the previous year of 42 million bush 1910 wheat crop has greatly surpassed all expectations, and falls short of the
unprecedented yield of 1909 by only 10 million bushels. It is pertinent to note that the impetus given to wheat culture in the Empire in rocent years has no parallel either in the old world or th tensive areas have been sown to thi cereal, until the 42 million acres under Wheat 15 years ago were represented in 70 per cent. in a decade and a hall. The 70 per cent. in a decade and a halr. The petus during the last two years, chiefly rom the prevailing high prices; and, ow-
ring largely to increaso in arioas sown, the ing largely to increase in arieas sown, the
Empire has in both seasans taken rank as the leading wheat-producing nation af the world, the yield of 783 million bush ds in 1909, and 773 million bushels 910, comparing with crops, respectively
737 and 692 million busbels in the United states

## 'If.

"ir


Little Trips Among the Eminent.


George William Curtis
An account of the New England
writers would out mention of George William tis, essatist, edtitor and lecturer
some of whose books have been de servedly given place among Americu's
class classics.
Ile was born at providence, Rhode
Island. in 1 N24 Island in 1824, and grew up, in point of both time and place, in an
atmosphere which could scarcely fail withan bent towards literary ari and
scholarship. He it was, it will be scholarship.
remembered
Hosmer hosmer, hieped Thoreau to build his foreover, a fervent admirerer Cinerson, and was one of the habi
ucis of the famous Literary Clubs and... Even ings. ous the farary Clubs
tingland literary circle Hew England literary circle, He was alo one of the party of dealistic imen
and women who essayed the socialiis ic experiment at srook Farm.
he remained for four years, return ink to New York in 1850 to join the
staff of the New York Tribune. He was also editor, for a time, of put ram's Monthly, and leader-writer for
Harper's Monthly, in which were pul ished his " Editor's Easy Chair papers. since collected into book $\underset{\substack{\text { papers. } \\ \text { form. } \\ \text { His } \\ \text { Ha }}}{ }$
Trumps, orks are the delightful and wellHowadj.,", and Syria,"-entertaining accounts of ${ }^{\text {an }}$, ng." a series of letters written from ashionable watering-plac
canstic and entertaining

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Papers "-H satire on the pretentions
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    tre of Xew York of that das.
    atine, and Naior pond, the man
acer ind agent for so mant of the
amous men who were wont of the

hnssiasm
ine face

perspic
ariabl
arin


Cion, the hope of lighting at least a mances about her as they watch her
smile in the cold eyes. if not a fire in and thinh of her solitary hours or smile in the cold eyes, if not a fire in and thinh of her solitary hours of
the icy heart. wathed the earn bitter regret and wasting longing.
I ant est, enthusiastic sacrifice. I saw the pure resolve, the gencrous faith, the "When I first came to town,
fine scorn of doubt, the impatience of shared this sympathy, and pleased fine scorn of doubt, the impatience of shared this sympathy, and pleased
suspicion. I watched the grace, the my imagination with fancying her suspicion. I watched the grace, the my imagination with fancying her
ardor, the glory of devotion. Through hard struggle with the conviction
ath those stranke spectacles how often I that she had lost all that made life
saw the noblest heart renouncing all loeatiful I supposed that if I hall saw the noblest heart renouncing all beautiful. I supposed that if I hald
other hope all other ammbition, all looked at her through my spectaclece other life. than the posstble
some on of those statues.
diant temper which so illuminated
her dress that we did not see it to
 sighted than those I had left behind aill
1 all potited for a secret sorrow, but a and report said thes were hghy in which the sun shone, and birds sang sense detected
and principle: fut I saw of purity
and flowers blomed forever Ther



## hemselves. not return it I looked closels at

 make me misanthropical. My dear werce to such homage. and had de

$\qquad$
$\qquad$
$\qquad$onion in an Easter bomet weeping and I parly learned that there wer
$\qquad$
$\qquad$ he went in for raintows and hot
water-how could I help, seeing that he was still black, and loved a slimy
$\qquad$

```
            elegant ladies, and after I had enl light of an immortal dawn, or when
```

chcy of lace and the chitter of jew successful and aimless ruling a fair
 an iron rod thin, sharp, and hard; which they had well renolnced at
nor could I possibly mistake the hopeless search and a belated
$\qquad$
$\qquad$
$\qquad$ bronze, or marble lout sadly often tacles and saw a satisfaction in con-
$\qquad$
$\qquad$
$\qquad$
$\qquad$
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$\qquad$

A Christmas Carol.
1 went sive hing , past the church. nerroe
$\qquad$
$\qquad$

and destroyed a mently upon the white
rallont: track a mink was coming in
foll pursuit in reaching the fresher full pursuit. © pon reaching the fresher
trail of the coton-tail he paused a mocame to him on the crisp air, he turned came to him on adjacent tree. Soon a
aside to the
Sores series of baby-like cries told of the das heebly trying to dash away fquealing and eeed trying to dash away from his red-
eyed assailant. Suddenly there came a
rush of whirring wings and the glare of rush of whirring wings and the glare of
fierce eyes. A moment more and the fierce eyes. A moment more and the
hooked beak and claws had done their
with work, and captive and captor were stilled alike forever, as the great snowy owl, the
terror of the small wild things of the orth, settled himself to a hearty mea But our little friend proceded on his
way. unaware of the swift death he had so narrowly escaped. Reaching his destination, he found a frozen cabbage at the end of the root collar, which he hungrily
attacked. In the misst of his feast he ateark a soft tootfall behind him, and
heaping to one side missed, by a matter loaping to one side missed, by a matter
of inches, the sly attack of the farmer's of inches, the sly attack of the farmer's
dog, that considered himself the night dog, that considered himselr a
guardian against all marauders. A wild
rabbit would have had sllght diffculty abbit would have had slich after all, in evading this fellow, which, hite rabbit
was a clumsy beast, but the whe
was unversed in all the devices of those Who face death in many forms daily, nor had the the speed of his whe huccoeded
After a lung-tearing eftort, he so distance
in reaching a brush-heap some way; but so hard pressed was wick snap trom his pursuer tore away a strip of fuffy fur, leaving a long, ugly gash upon For some
pess hideous to his trembling prisoner by his repeated yelping as he dug and tor
at the brush in an unavailing effort to secure hima. Finally he grew weary o so unproftable a sport and betook him-
self to his warm kennel, where, perhaps he continued hunting white rabbits in his dreams.
Meanwhile, the wounded rabbit lay be
neath the trampled branches, shaking wit pain, fear and hunger. As dayligh dawned, he crept farther into his refuge
but had hardly composed himself before a sound of human voices and footfalls
again brought bim keenly alive to hip again brought him keenly alive to his
situation. Nearer and nearer they ap
proached until, with a crashing proached until, with a crashing
branches, his retreat was trampled upon Stiff and sore, he jumped out and away Bang! Rang! rang a number of gy
and zip! zip! tore the shot around hi sportsmen as usually congregate in
country at Christmastide. unused country at christmastide, unused
from each other's guns than has the gam they hunt.
Running painfully away from the soun of guns and voices, he now of a hollo
hiding-place in the bottom elm. As he lay panting and sick a
heart, a wave of homesickness rolled over him for his warm pen and the caressing
arms of his little mistress, whom he was fated
His hurried entrance into the elm ha been in a new form. A native in blue jeans and corduroy coat, and a kindly
faced gentleman dressed in a gray shoot ing jacket, in whose capacious pocket more than one limp rabbit lay stiffening,
came silently to the tree. It looked sure, for the farmer carried in a ba he placed in the opening and remaine kneeling against the trunk, while his friend, a never-failing
convenient distance away
ready.
The rabbit, pain-racked and weary, wa equal to but one last eflort. As th lerret came upon him, he leaped over
head, and, dashing to an opening, jumped right into the arms of the farmer. where shivering with fear, he cuddled down as
he used to do in the arms of his little he used
mistress
II say. Jack, this isn't a cotcon-ty the
said this worthy, holding him up by cars, "it's a tame rabbit that has escaped
from someone." "."So it is," said his friend, drawing nearer. "He's wounded, too. Let's keep ${ }^{\text {him }}$ I'd like to have him.
The next day broke beautiful and cold
Outside, the people on the streets of a cer-
tain great city hurried on their way with tingling cheeks and cold toes. But with
in all was warmth and happiness, for it was Christmas Day. The cares of the
ofice and factory were put aside, and
everyone turned to his neighbor with a olfice and factory were put aside, and
eeveryone turned to his neighbor with a
kind smile and a warm handshake, as the Christmas spirit leveled distinctions and
made all equal-for a day. In the corner of one particular parlor,
covered by a large sheet, in its chaste covered by a large sheet, in its chast
glory, stood a heavily-loaded Christmas tree. What excitement prevailed among
the youngsters of that home ! Not that the youngsters of that home ! Not that
they didn't know what was on it-mot they didn't know what was on it-most-
ly. No! no! Why, bless my heart from the time shortly before daylight,
when little Bob had awakened the rest by cracking English walnuts, which Santa had left on his iron bedstead, they all
had hovered around and beneath that tree. Lying at full length, and gazing upward beneath the sheet, they had seen with delight the good things displayed But one thing did puzzle them. A
square box fastened to a stout limb would square box fastened to a stout limb would
at times wiggle and twist as though it
contained some live thing. Bob thought contained some live thing. Bob thought it must be a hen. Willie just knew it
was the pup he had written old St. wisdom that a lady attains after eight
years of experionce in this troublesomeworld, declared it must be the little sis-

The Ingle Nook

howling, fighting sort, who want to max
themselves conspicuous. I do wond
 principle that Governments only yield
pressure, but it would be far better pressure, but it would be far better
go about it caluly, and quietly, ar sanely, and I venture to predict the
Votes for Women will come just as surel as Christmas comes once a year, or tha
spring follows winter and summer follow spring follows winter and summer follo
spring. Because no man or woman live unto himsell or herself. Their interes are too closely related. What affects o
affects both, therefore the condition of affects both, therefore the condition of
whole ought to be the concern of ea separate part, and. as Tennyson hi said:

The woman's cause is man's. They rise
or sink together, dwarted or God-lik. bond or free,
Not like to like, but like in difference. Not like to like, but like in diference.
Yet in the long years liker they must

The man be more of woman, she of man,
The gain in sweetness and in moral
The height. mental breadth, nor fail in child-
hood's care,
Nor lose the childike in the larger min
Till at the last she sets hersolf to man
ind is a
taul
are

$$
\begin{aligned}
& \text { ith modern conditions, and } \\
& \text { t woman's place is in the } \\
& \text { home." It is, to a great } \\
& \text { oetent, but not always } \\
& \text { eoman's place is to do }
\end{aligned}
$$

$$
\begin{aligned}
& \text { home." It is, to a great } \\
& \text { extent, but not always } \\
& \text { extan's place is to do } \\
& \text { Wemanty wherever she find. } \\
& \text { her duty wo }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Woman's place } \\
& \text { her duty wherever she find: } \\
& \text { herself. What about the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { herself. What about the } \\
& \text { : three-women-to-one-man } \\
& \text { cry of Great Britain }
\end{aligned}
$$

$$
\begin{aligned}
& \text { " three-women-to-one-man ", } \\
& \text { cry of Great Britain ", } \\
& \text { What about the women in } \\
& \text { our large cities who are }
\end{aligned}
$$

$$
\begin{aligned}
& \text { sand and thousand } \\
& \text { women and children work- } \\
& \text { ing in factorisis in the Old } \\
& \text { I.and under Acts that are }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ing in factories in } \\
& \text { I.and under Acts th } \\
& \text { very unfair to them }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Then. } \\
& \text { ens' } \\
& \text { other }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ers' wives, and all the } \\
& \text { other estimable women of } \\
& \text { othis country. Most of them } \\
& \text { have to work hard to help }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ther estimable women } \\
& \text { this country. Most of them } \\
& \text { have to work hard to help } \\
& \text { to pay the taxes. Why } \\
& \text { should they not have a }
\end{aligned}
$$

A Dignified Dining-room
At last the time came to unload the Now, friends, our Institute motto is, sque. First of all, Daddy took down the For and read on the cover. "To I have heard a great many subjects disthe Kiddies; from Uncle Jack." Cau- cussed, they have all been in relation to tiously he opened it, and there, crouched the Home, and the individual, and no
no upon some soft batting was-what do you
suppose?-why, our old friend. the white suppose?-why, our old friend, the white
rabbit, very much frightened and very sore, but in kind hands now, and let us
lrust he never again wanders into un-
known perils amuny his fury kinamen known perils among his furry kinsmen,
he denizens of the underbrush. Note-Only one, Kenneth Tuttle, guessed
orrectly what the little animals in the man's arms, shown in Beaver Circle a man's arms,
few weeks ag
fores

The White Bird
$\qquad$ I will be light as thistledown
Between your feathery wings.

Over the fields of iris flowers.
in to my land of drowsy hour
Cake mee away to Nowhere Tuwn
White bird that sings
will be light as thistledown
Between your feathery wingy abundantly proved their ability to to
acquire sound knowledge, to reason clearly, and judge accurately, while many a man on the voters' list is not too bright
mentally, but just because ho gentally. but just because he is set "f
with a pair of pants on, and is called Perhaps the most of you have heard of the English lady who complained thai
her coachman had a vote while she had her coachman had a vote while she had
not. One day she was asking him it he was going to vote, but instead of pxtting
it in plain words, she said, "J ohn, do you intend to exerclise the tranchise?"
What may that be, ma'am". said "Ts that the new 'oss?" Then there was the Scotcman who was hurrying to the
poll. friend spied him on the way.
and called out: 'Noo Sandy, see and and called out: "Noo Sandy, see and
vote against the Peers.". 'Awa' wi' yer
blothera." saide blethers," said Sandy, "Whatever wad The steamboats dae withoot the Piers? There are lots of other casees, ad infin Those who are opposed to Woman's
cuffrage contend that possessing chise would intertere possessing wome fran mestic duties. Does it interfere with puts in his time "yarning" in the villag puts in his time "yarning" in the villag
store or in the blacksmith shop. abou things he knows very little about. Suc men generally like their wives to stay a
home, to see after things, and maybe even do the chores. They are too lazy
to drive her to church on Sundey, or to
it
a prayer-meeting, and an Institute meet

ne subject on "The Country." How-
ver, I suppose they have all been got
p on the principle that if we take care
f the cents, the dollars will take care

|  | Perhaps the most of you |
| :---: | :---: |
| nts, the dollars will take | the English lady who complained that |
| themselves, and it we take care of the | her coachman had a vote while she had |
| mes, the count | not. One day she |
| itsel? | , |
| That is all very well as far as | it in plain words, she said, "John, do |
| if any one of us should get a larg. | you intend to exercise the franchise?" |
|  | "What may that be, ma'am?" said |
| vs do to let a firm of lawyers deal | "Is that the new 'oss?" Then there |
| th it and use it as they liked, even | Sotc |
| benefit; nor does it always do | friend spied him |
| the manage | ca |
| me mere men (that is, if we can avoid | vote against the Peers." "Awa' wi |
| The home, we know, is the founda- | ers," said Sandy, "Whatever |
| of all national greatness, and if a | the steamboats dae withoot the Piers |
| is well trained the first few years | There are lots of other cases, ad infin |
| there is little to fear for |  |
| oo! | Those who are opposed to Woman's |
| ut of his mother's sight, there are | Suffrage contend that possessing the fran- |
| ons ar |  |
| nces at work, which have to be guard | mestic duties. Does it inte |
| against. Why should a mother not | man's business ? |
| able to follow her child out into the | puts in his time "yarning" in the vilta |
|  | store or in the blacksmith shop. about |
| ndings, about the school, the | knows very little about. Suc |
|  |  |
|  |  |
|  |  |
|  |  |
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$$
\begin{aligned}
& \begin{array}{l}
\text { very well } \\
\text { with mo }
\end{array} \\
& \begin{array}{l}
\text { th modern cond people tions, and } \\
\text { Woman's place }
\end{array}
\end{aligned}
$$











Cake Icing's If you had trouble with prepared Cake Icing, it was not Cowan
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The Cowan Co. Limitod.
The Columbia Hay Press bailed ge tons in 10 hours.
 corrowes
"The Farmer's Advocate

roa
som






 and in

$\qquad$
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$\qquad$

The Garden of a Com muter's Wife.

 1 too must be carefuls about expan-
sion ; for, as Evan says first outlay of strength or money charges, while father but the fixed
that the cause adds that the cause of much physical and
all mental disease is biting of
mor. than shall have to set my teeth and quell my garden appetite! The garden tinued as it began. Now lovable conplaces are so terribly lonely, For
tunately, aiter all, there is but, one suitable spot hereabout for a garden,
and that is where it now is sponsithlity and temptation of choice loose and be ruined by visionary schemes. Heredities may be hor-
rible ghoulish things if they are had but when good, surely nothing can equal them. Imagine how terrifying
it would be if we had to decide the beginnings of things for ourselves
as to what race we should belong. what sex, and all that, instear sciouness to find it all arranged Then, suppose falling in love and go
ing away with one's husband wer ing away with "ne's husband wer
not a custom all over the world, how not a custom all
strange it would be! It is growing dusky in among the
rafters, but the Garden of Dreams is raters,
every moment growing more distinct Evan must put it all down on paper
for me. so that I shall not forget or for me, so that I shall not forget or
make mistakes. What is that noise? make mistakes. What is that noise?
Really, I can imarine that I see
strance shapes moving among the strange shapes moving among the
rafters. The dogs are all alert. Ah! only the telephone bell in the Evan has just called me to say that he has arranged to stay at home all
day to-morrow! We have agreed
We not to use the long-distance line ex-
cept for emergencies, such as his being unexpectedly detained in tow over night, for it is so expensive
But he knew how I have been long But he knew how I have been long
ing to have him here for a week day so that we might realize everything again, and decide the garden plan know of it for even an hour. It is quite dark now when he comes
home, so we carry a flash lantern when he takes his after-dinner-cigar
walk that we may neither run into walk, that we may neither run into
trees nor fall into the new violet frame while we tell of the day's
work when overv, commonest detail meand Really, I must be careful what say, these dogs; for a moment ago I
of
tave vent to my feelings of joy in a bit of a song that was hetween a hounds first raised their heads and bayed as if it was night, and the full
moon shining in their kennel. then moon shmmerd about the attic at full cry. copy until he choked, and Pat yelped Delia the waitress immediately ap
peared with a white, scared face, out saying that in the old country such
keening always meant death. Hardly had she disappeared when
Martha Corkle the decorous, knocked, begged pardon, but the sound of the
hounds had given her such a turn she'd nearly dropped the soup kettle
and it maile her feel more settled and at home than anything since she
and From that moment Bugle
$\qquad$
$\qquad$
$\qquad$


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great demand, and we make a specialty of them. If you have any milk-fed chickens we will pay you a chigh price for then. We als pay higheal way Tell us the number and kind of fowls you have to sell, and we'll quote you

Flavelle - Silverwood, Ltd., London, Ont.
WHEN WRITING ADVERTISERS MENTION THE FARMER'S ADVOCATE.

THE FARMER'S ADVOCA:-. FuLMED 1s.
Two Hundred Dollars

$$
\begin{aligned}
& \text { left before we did, being freight, it } \\
& \text { was delayed. } \\
& \text { TO-morrow Evan will be here, and } \\
& \text { we will have a festival and set the }
\end{aligned}
$$

In Cash Prizes

will be given by the
National Drug and National Drug and Canada, Limited, to those who make the those who make the
closest estimates of closest essumates of
the population of Canada as deternin-
ed day the Official Census in May, Full particulars of this Contest are
given on Page 54

## Na-Dru-Co Almanac

It's Free Ask your Druggist for one The Na-Dru-Co Almanac for 1911 is even better th
the 1910 Edition. It's a regular mine of information. the 1910 Edition. Girs a regular mine ob' informatit
including Postal Guide Recipes for Bays Fod f
Cooling Drinks and Frozen Desserts - Dials showing
 Time throughout the whe rovinces of Canada.
Calculation for all the
Na-Dru-Co Almanacs are now being
 country. It your Druggists supply is
white direct to the National Drat and
Chemical Co ... on the coupon attached. Chemical Co
and a free
return mail
Send Coupon To-day.

Unreserved Dispersion Sale of SHORTHORNS


J. Brydone, Milverton, Ont.

## Our Winnings at Guelph

WERE MORE THAN ANY OTHER FIRM EXHIBITING by the results, even in one little
pital, must make one's relations
the race more sane and sound. To-morrow Evan will be here, and the race more sane and sound
we will have a festival and set the $\begin{gathered}\text { Surely } \\ \text { the country life is not } \\ \text { dial that is, if we can agree upon wholly compounded of veretation }\end{gathered}$ dial; that is, if we can agree upon wholly comprounded of vegetation
the place, and it is good weather. the city dweller imagines. The cor the place, and
Ah, there is a red streak in the west, ney who thinks that he has sulun
and it is widening. It is almost up the essence of torpidity when and it is widening. It is almost up the essence of trio ". vegetate
train time. I will drive down for speaks of people who
Tvan myself and tell him that our the country," simply illustrates train time.
Evan myself, and tell him that our the country," simply illustrates
talisman has come. talisman has come. $\begin{aligned} & \text { own ignorance and e-hat hery of a } \\ & \text { even know the life history of } \\ & \text { nip. For, taking the term liter }\end{aligned}$
 only stirred to lamentation, giving,
us year end and " melancholy days.
remarks, thereby showing that theory remarks, thereby shobervation among
is stronger than obs olse
the rhyming brotherhood, or else the rhyming brotherhood, or else
that they have chronic indigestion,
and no gardens to stimulate them. and no gardens to stimulate hat No
Of course I do not hnow what No
vember might mean to someone living
away from his kind without love, in away from his kind without love, in a
cheerless house, lacking adequate cheerless house, lacking, adequate ing up in bull, tuber, or rootstoch,
means of heating or light, with no enough strength to insure its further
bath-tub, and a well low from sum-bath-tub, and a well low from sum-
mer droughts, the sort of being whose intelligence dries away whose
tumn like the leaves, and whose
breath of life merely flickers half dorbreath of life merely flickers half do
mant unt il the spring sun forces
to to quicken in spite of itself.
The strange part of it is that many city folk associate this state of woodchuck existence with the real
country life whereas the intelligent country life, whereas the intelligent
country life, if it is lived, and not country life, if it is lived, and not
merely toyed with in an amateurish merey er, is a full, sparkling, strenu-
mas course, calling for a more inven-
ous tive brain and greater activity than
that of the city, in proportion as its that of the city, in proportion as its
satisfaction is greater. The differ-
ence is that in the city, at hest, one ence is that in the city, at best, one
lives the life of others, the life of the lives the life of others, the life of the
shop, the street, the crowd, while in the country one must live one's own
life. A selfish, warped, narrow life,
some say Doubtless it might be;
but if one has a home to keep a but if one has a home to keep, a
husband weaving his web daily to
and fro, and a country doctor, vi-
and and fro, and a country
brating, with sympathies of many
lives, for a father, the pulse can
never beat slow, nor the heart prow cold. am daily realizing that it is a
I al liberal education of both heart and
head simply to be Fvan's wife and
my father's daughter. Father's pri-

To return to November and it: praise: mine is conclusive, being
both material and sentimental, and both material and sentimental, ani
stated in a few words. To-day has been one of the happiest days of my life, and it is November 1st. True.
Aunt Lot surprised us by coming in Aunt Lot surprised us by coming in
by the evening train, Reverend Jabez being now located at Centreville, thirty miles ofi, to get some winter
fiannels that she left packed away and offer me advice as to household
management. 13ut she has not damaged the day, for father has kindly
lured her into his study; she merely lured her into his study; she merely
acted as a sort of nightcap under whose influence, tolether with the
result of an entire day out of doors. Evan and I crept somnolently into in front of the wood fire, and whisper well spoken aloud ; but to make
people tiptoe and whisper is Aunt people tiptoe and whisper is Aunt
Lot's effect upon everyone. "Why are we sitting here, instead
of entertaining your Aunt Iot?" Evan asked contentedly, without
making any effort to move.
al Because we are rude and perfect ly frank heathens. We don't care to
see her, for she wasn't nice about see her, for she wasn't nice about
our being married, and so we do not
pretend we do. We do not care a vate means. though small compara-
tivel., enable him to keep abreast
of outside affairs and the newest
$\qquad$
$\qquad$ season's jam and jelly , we don't
care that the . four youngest are
badly disciplined and a trial; in
stead we fel hope miles bevond the usual limited
circuit when controlled by mere pay, we feel very sorry for them.
". Then she is sure to have speeches
The sas ing that shoemakers; make about my duty to you, quite children lack shoes is simply a
criticismo of the relations between
the childiren and their cobbler parent.
The parental attitude toward his
trade evidently was not such as to trade evidently was not such as to
make it interesting in his chilliren's eves, otherwise thes womld not only
have thonkht shoes desirable, but
have learned to make them. dub supmose 1 must go in," I sa
dubiousl.
13.
 Fathers attiluale 1oward his pro
fession has allways made it sem th

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## 1



## I Wish YOU Were Lilke Mr. Fraser

I
D like you to do like he did-for your own good. Like a
kreat many other people he had seen many of our adver kreat many other people he had seen many of our adver-
tivements. Had read some of them, just as you are read tivements. Thad
ing this one. The time came when he was figuring on a
w roof and he read one of our advertisements very carefully
He thought, as maybe you do, that a wood shingle roof wat he leaxt expensive, and thoug not him. But our adr sid that Oshaw Steel Shingles cost about the same as wood shingle
ind were less expensive to put on. That counded promi Further he read that slate cost six times as mush and vo culled "ready-roofing" cost thirty-three timee a- much. That O.haw Steel Shingles were fire-proof. leak-proof, rust-proof
rot-proof, rain-snow-and-wet-proof, need to painting, no putrhing.
In fuct Osha wa Steel Shingles, according to our advertise ments, seemed to be everything man could desire in a root-
che sbolutely perfect roof. So good that he doubted the truth of our claims. "It sounds too much better than ordin ory roofs" he thought. (He'd heard other roofing people tai
Do Send for My Book of Facts About Roofs q. M.Theten

ro PEDLAR PEOPLE of Oshawa
Establishe 1861


 Two Patterns of Oshawa Steel Shingles(Guaranteed)




PEDLinkIZE All Your Buildings, Inside and Out
Wind



Costs far less than Any other kind of roof




Rain-snow-wind-proof Fire and lightning proof No painting No patching


What More Can You Ask of a Roof?


for 25 years" I mean it - No "Ifs" Ahout it






Can You Afford Any Roof which is NOT Guaranteed?




Hab


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ST.JOHN WinNiPEG
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Cith adoress oun meanest wanerouse.





| Wend your Ginistemas Remivtances |
| :---: |
| Dominion Express Money Orders and Foreign Drafts PAYABLE ALL OVEA THE WORLD If lost or delayed in the mails |
| TRAVELLERS' CHEQUES ISSUED Money sent by Telegraph an Cable to all Principal Cities ) Agoncios. Lor. Statod in all |
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Let us buy a 50-cent bottle of Psychine (pronounced Si-keen) from your druggist and give it to you (free) to prove its great value.
Psychine is the greatest vitality for the recovery of their wounded as
the Japanese army.
bulder of the age.
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curing almost every disease that is idue how all because the Japanese knew
to run-down vitality.
Hundreds of thousands have psed
Psychine with corpuscles cure.
sult.

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From Coast to Coast


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ind
Inrduare
Specialities
Louden Machinery Co., Guelph, untario
 "-Save. The Horse" SpavinCure.

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OF EVERY DESCRIPTION.


 Notice to нorse
Gerald Powell. Gerald Powell, Comis. Ssion in
terproter, No sent Le Rotrou, france



A. A. PALMER \& SONS Orieans. R. F. D. IG, Beldilis
Ionia Co..Michisan. Ionia Co.,Michlyan. breeders of the very
PERCHERONS

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questions and answers Miscellaneous.
SHORT COURSES-WEIGHT OF SHORTHORNS, I. Is there going to ko a short course
i. farmers at the Agricultural Collego in judging live stock and grain? It so
what time doess open?
and of weight for

CAPACITY OF CISTERN. Phease let me know how many barrels
of water a cistern contains which is 5
leet 2 inches square, and 6 feet deep. Fixplain how it is worked out in the
simplest way A Subscriber.
Ans.-31 harrels Ans. $-31 \frac{1}{\mathrm{t}}$ barrels, approximately, tak-
ng 1 barrel as 32 gallons. Computation: 5 feet 2 inches square, and 6
cet deep, gives $160 \frac{1}{8}$ cubic feet as capaity of cistern; 1 cubic foot of water
weighs 62.32 pounds, 1 gallon weighs 10 weighs 62.32 and 32 gallons make one barrel. Hence $\xrightarrow{160 \frac{1}{2} \times 62.32}=31.19+$ barrels. BUCKWHEAT STRAW FOR
SHEEP. Is it safc to feed buckwheat straw to
sheep, especially at mating time? We
have a lot of buckwheat straw, and very
$\qquad$
$\qquad$
$\qquad$ straw, say at night. We are using oats
as a grain ration. No roots. Ans.-Buckwheat straw contains a higher content of protcin and crude fibre, and a
lower content of fats than wheat straw
While apparently litule experimental know While apparently little experimental straw
cdge is obtainable concerning the sta
of buckwheat. we can see no reason why DEHORNING CATTLE-CASWhat is the best time of year Chorn cattle, and also when is it best
ocastrate calves?
2. What is the best feed for an old
ow whose teeth are bad, to fatten her cow whose teeth are bad, to ratten her
for beef? dehorning than in the winter, provided
the animals are stalled. They may be
$\qquad$
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REGISTERING SHIRES.
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WE DIDNT.
"P. S.". writes a contributur to this
departme Montana. If you can't use these
Lodge, Mon Chestnuts, don't send any regrets; I have
plenty of my own." ${ }^{\text {n- }}$.verybody's fo





H.-A.Galvanized SteelTanks




The Heller-Aller WINDSOR, ONT.

To Buyers Looking for a Good Stallion:
 ported Percheron Staimons for France, Always bought from the best breeders in France, first and second aged class sweepstakes and silver frstan. Also at Outawa Fair. first and third in aged
medal.
class. firt sweepstakes and gold medal. Those horses are beautiful dapple-greys and blacks, three
years old, weighing 1,800 to 2 ,ooo lbs... with feet and years old, weinhing beat, beautitul heads and necks,
legs, that cannot be the kind that good buyers are looking can help it,
not intend, and I will not allow, if I can any one to give mure quality breeding for a fixed

OHN HAWTHORNE, Simcoe, Ontario.
TOP-NOTCH CLYDESDALES
 Thave 22 mported es, and from such noted sires
from, of different age Hiawatha, Marcellus, Baron of Buchlyvie, Baronson, Hapland's Pride, Silver Uup, Revelanta, Royal Blend, Baron Clyde,
Shapely Prince, etc. The breeding is the best, and toe individuals second to none. Prices and terms right. Just give me a call and be conmiles nort of Toronto, on the G. T. R. Locusi Hill Sta., C. P. R., 3 miles. Long-di tance 'phone.
Will meet visitors on the shortert T. H. HASSARD, Markham, Out
 Mount Victoria Stock Farm, Hudson He He have for sale 2 imp. Clydedale stallios. y Pride of Blawn and British chief one imp.
rizewinners. Pricen rikht. Long-istance phone. 1. B. Macaulay, Proprletor. OF CLYOTSDALES NEW I MPOR TATION the requirements of the Canadian trade-9
 n mp. Clydesdale Stallions and Fillies Ty T990 mportation of Clyde staltions and mares are in my stables at Mitchell. They are IMPORTED CIYDESDALES AND HACKNEYS

 4 Our 1910 impertion IMP(IRTATION ARRIVED Wecan show some of the
importod. Our prices are right, and terme to suit
JOHN A. BOAB \& 80N, Queens IMPORTED CLYDESDALES AND PERCHERONS My 1910 importation are in my stablea at Boltoo. Ont. There never was a better bred bot Fering. Clyd edal atallione and fillies, and T. D. Elliott, Boltom, Ontario


Weston, Ont., and Brandon, Man
IMPORTING BARNS
J. B. HOGATE, Proprietor, Clydesdale and Percheron STALLIONS
Clydesdales sired by such noted sires
as Hiawatha, Baron of Buchlyvie, Baron Winsome and others. Dams equally as good.
Percherons of the best blood of I can sell you a ton stallion for less
money than any man in the business. money than any man in the business.
Don't buy undersized stallions and think you will breed draft geldings and mares from them. Come and see my prise you and save you plenty of money.
Weston is reached by the G. T. R. and
J. B. Hogate, Weston, Ont.

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Clydgstale Stallions and Mares
JUST THE KIND YOU WANT. WRITE OR CALL ON: Daloety Bros., London, Ont. IMPORTED CLYDESDALES

n
Imported Clydesdales $\substack{\text { Myoce impotic } \\ \text { dathe } \\ \text { dancomed }}$


"


Miscellaneous DRYING COW GNAWING COLTS 1. Which is the beste merthuil to pr
$\qquad$
$\qquad$


Seldom See
 Absoraine

W. F. Young, P, P.F., 258 Temple St, Springieleld, Mass.




ABERDEEN - ANGUS CATTLE



Shorthorn Bulls

H. J. Davis, Woodstock, Ont

Oakland Shorthorns swith . treded Shat Short

John Elder \& son, hensall. ont.




I H C Spreaders Are Equally Good All Over $A=$ as strong as its weakest part. Don't let you-don't be influenced by frills or fancies. Be built all over-without a weakness anywhere.

If you want to be sure of such a spreader-see that the I H C trade-mark is on the one you buy material, the princt park is that can not afford to risk its reputation by offering inferior or ineff cient machines.
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Let the I H C local dealer tell you all about I C spreaders. Let him tell you why it is best for you to in from him, or, write nearest branch house.

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Farmers and Cattlemen, Read This !

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SALEM STOCK FARM . J. A. WATT, SALEM, ONT
 SHORTHORNS


Maple Leaf Shorthorns and Hampshire Hogs PORTER BROS., APPLEBY P.O., BURLINGTON STA. 'Phooe

## SPRINGHURST

SHORTHORNS H. SMITH, - HAY P. O., ONT
qUESTIONS AND ANSWERS Miscellaneous.
winnings at chicago

## FEEDING SHEEP


$\qquad$
$\qquad$ sume as high as one and a hall pound
tay is advisable.
4. Both are good; whicere they are
a equally well-preserved state, alfalfa more valuable.
5. From two to
$\qquad$
$\qquad$
hat dificult ot storage.
9. Can any of our readors answer this
question?
IVQUTR RE WHEY BUTTER

1. What is the yield of tat per 1. ,00
ts. of whey (ordinary condition)?
2. What should be the cost of separat
ost partly onset wh the partial pastur
W.W. .1.
Eligin co.. Ont.
ans.-1. The average aumount of tat



The average amount of fat returned





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## METALLIC CEILINGS <br> are everything that plaster wood and wall paper are not. <br> Metallic Ceilings are fire. proof, absolutely. Metallic Ceilings don crack or crume mouldy-don get damp or mon need repairs <br> Metallic Ceilings are far and-away the most eco you can put in a house. You donit believe it? you don't believe it? can prove it. Write us for can provs.

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Willow Bank Stock Farm SHORTHORNS AN
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 at all times in both bulls and remales.
JAMES DOUGLAS, CALEDONIA. ONTARIO.

 JOHN MILLER, BROUGHAM, ONT. SHORTHORN FEMALES Prices so suit all kinds of customers. Have one $r$ red
eleven-montha-ld bull left; a Clipper: ; price $\$ 1000$ J. T. GIBSON, DENFIBLD. ONTARIO. HIGH - CLASS SHORTHORNS
 Chant a hoo bull or heiffer. write me. and station,
weO GiER Gr Villey 0 . Want anow Grand voiley P.O. and station,
GEO. GIER.
also Waidemar station. Shorthorns and Yorkshires - $-A$ choice lot of

 SHORTHORNS AND LEICESTERS. - Present of-
old hering, EEigh dhocely brd one and wo year
old heifer, also bull calves. Choice shearling ramy and ram and ewe lambs. Shuw material. Write.
w A. Duslas, Tuscarora, Ont. Caledonia
station. Imp. Scotch Shorthorns $\begin{gathered}\text { When looking } \\ \text { to r }\end{gathered}$
 INVERNESS SHORTHORNS



National Manufacturing Co., Ltd. Head Office: OTTAWA.

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Branch Officer: 77 Jarvis St., Turonto; Regina, Sask
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always a user Sold always a user. Sold elther fine or
ground. Writer
OIL CO., LIMITED, DO MINION LINSEED OIL CO., LIMEL,
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## Scotch Shorthorns




MITCHELL BROS Burlington, Ont
MITCHELL BROS, Burlington, Ont.

H. CA WTIUL de SON have to offer at the present moment an exceptionally good hot of young
bulls. which combine all the requisites necessary for the making of
 John Clancy, Manager, Cargill, Ontario.

Scotch Shorthorns
alves at foous. Prices, easanable.s. Inspection
 ELMHUR,T SHORTHORNS and BERKSHIRES OR SALE: Swatch Short horns of SUNNY SLOPE
 SHORTHORNS $\qquad$
SHOWARD MEYF $\qquad$
Irvine Side Shorthorns

QUESTIONS AND ANSWERS Miscellaneous.

RAW LINSEED OIL Could you tell us how linseed rall
is mede: also oil cake? We can get quit a quantity flaxseed here this season. 13 . Ans. -1 . It is obtained by pressure from
the flaxseed. whereby 20 to 25 per cent. the flaxseed. Whereby ained in oil. The sects are bruised, or crushed, ground, and the oll expressed
without heat: or. by later methods. 200
竍 without heat, or,
degrees $F$, heat is used. The oil cake
consists of the residue as it comes from consists of the residue as it comes from
the mills. the great presure used in cex-
thactills the oil converting the pulpy mass tracting the oil converting the pueground
nto slab-like formy this may be groun into pra-itac or nut-
nto meal, broken BREEDING : FILLY AND SOW. 1. Which would you advise, breeding a
woo-year-old filly next spring and raising a couple of colts before breaking hers or
would she be tit to put to work at three would she be fit to put to work at three
years of age? She is of Percheron breed-
ng. and of good size and conformation. ing, and of good size and conformation.
2. Have a sow that lost her pigs about
one week before farrowing time. Would
oren it be safe to breed her again, as she has
been an extra good breeder. Is three years of ake the most proftable breed
3. What is the
of chickens for an ordinary farmer

## Thise An bree do to fed gene ge

 keneral rule, breaking her and. putting
her to light work for the next year, thus
letting her grow and getting letting her grow and getting her well
gentled, will be found the more satisfac
tory practice. 2. Sow may have lost her litter
through accident or mismanagement.
she is well, unless some good reason t
the contrary is known, it would be we the contrary is known, it would be well
to kive her another trial, taking duecare
with her ration, and giving her plenty o xerciser it not possible to answer this
3. It is notures.
 dottes and orpmetons, are all satis-
factory gencrat-1tility lireeds, which should
give good satisfaction.

## INAPPETENCE.

 Am fewding him at present, one pallful of
roots, two quarts of chop, (barley, oots
and peas). corn und wheat chaff mixed. and neasls diways Loaves half of the root
He narly
and chop, l,out cat a good dial of rough nge.
 dvisen to improw his appectite and mak
nim fat,
2 (Twn mares in foal, just jobbin 2. Tw. tharus in fool, just jobby
around at likht work are receiving gallon of ont chop "ith two quarts
bran threw, thene a day, wat straw a
corn muxal, with in find of hay at nigh
 Tin they "want" Che mares hair d

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| :---: | :---: |
| Maple Lodge Itock Farm |  |
| A lot of choice young SHORTHORN BULLS, and a splendid lot of LEICESTER rams and ewes for sale |  |
| A. W. Smith, Maple Lodge, Ont |  |
| GEORGE D FLETCHER, BINKHAM P. O., ONT.. |  |
|  |  |
| Spring Valley Nemon hiof tiader SHORTHORNS ${ }^{\text {Cimp }}$ (imod bull with hist good bull. wing breeding. Also Canadian-bred 15 month -old bull of the cho Phone Kyle Bros., Ayr, Ont. |  |
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|  |  |
| Woodholme Shorthorns are of the richest Ywe and quality. For sale: One and heders, several <br> G M FORSYTH, Claremont. Ont. Thone connection. |  |
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## Woss Terribly Afflicted

 with Lame Back Gould Not Sweop The Floor. It is hard to do house work with a weak and aching back.Backache comes from sick kidneys, and what a lot of trouble sick kidneys cause. But they can's help it. If more work
is put on them thisn they can stand it is is put on them than they can stand
not to be wondered that they get out o order.
Doan's Kidney Pills are a specific for tame, weak or aching backs and for all kidney t:oubles. Mrs. Napoleon Larmour Smith's Falls Ont., writes:" I take pleasure in writ by using Doan's Kidney Pills. About a year ago I was terribly I could not even sweep my own floor. I was advised to stry Doan's Kidney Pills, which I did, an with the greatest benefit. I only
three boxes and I am as well as ever highly recommend these pills to any
sufferer from lame back and kidney Doan's Kidney Pills are 50 cents per box or 3 for $\$ 1.25$, at all dealers or mailed direct on receipt of price by
bura Co . Limited Toronto bura Co., Limited Tioronto, Ont.
When ordering direct specify "Doan's."


URE ONE OF OUR PREMIUMS

2102
BOILS AND PIMPLES Are caused altogether by bad blood, and
unless you cleanse the system of the bad apear. Get pure blood and keep it pure by removing every trace of impure morbid matter from the system by using the
greatest lonown blood medicine, BURDOCK BLOOD BITTERS.

Boils Cured.
Mr.
A.
writes:-
J. Saulnier, Norwood, N.S.
Two years ago I with boils on my neck and back, and recommended me to try Burdock Blood Bitters, and after using two buttles I was pleased to note the boils were en-
tirely gone, and II have not been troubled tirely gone, and with any since."
Pimples Cured Miss Eva A. Skinner, Granby, Que.,
writes:-"I am pleased to recommend Wridock Blood Bitters as it has done me pimples, and being advised by a friend to try Burdock Blood Bitters and have them removed I did a spot on my face, not a spot on my face.
Burdock Blood Bitters is manufactured Burdock Blood Bitters is manufactured
only by The T. Milburn Co., Limited, Toronto, On


Shropshires the sity patim both sexes for sale. Also White Wy yandotte cockerele
W. D. Monkman, Bond Head, Ontario ABERDEEN - ANGUS WALTER HALL. Washington. O


THE FARMER'S ADVOCATE


## Shropshires and Cotswolds

 Have also the best lot of young SHORTHORN wUlLS tave worth the money.of Whitehall Sultan's greatest sons. They will be sold wor



becemblat

he rading matuce more palathtive, a love
 the fact (according to the nuth ork are
thenole contents of the bork ane
thounded on ancual experieco in real ilet.
tound Younto the author's desire to hold the
orender's attention to the primary object
orm of the book.
Percy $J$ ohnstone, the hero of the tale.
nos been reared on a torty acre tarm in
 out soil. he and his widowed mother have
had to struggle hard tor a bare living. Greatly to his mother's surprise and dis-
appointment. Percy annuonnese his thten-

 quires a fund of usetul
eflicient teachers. .nd on leaving college
immedintely sets nimselt to the practical immediately sets hat he has learned. With
npplication of what
the object of purchasing a wornout trm. the object of purchasing a warn-out tarm,
Which, nided by his now ly-acquird nomel
edge. ho might restore to its original
 auger for taking soil samples. and a sap-
ply of hituus paper to toet tor nacidy,
he makes a survey of several tarms. His discussions with the tarmers regarding
their agricultura conditions and his sumgestions ns to the probable causes
thineir soilis unproductivenese and likely




trade topic


THE FARMER'S ADVOCATE

## QUESTIONS AND ANSWERS






## Miscellaneous.

 wash It she gets the parts wet or
muldy, rub well luntill dry or allow the muddy, rub well until dry, or allow the
mud to dy, and then brush onf if you COW FAILS TO CONCEIVE. A six-year-old cow shows osstrum regu-
larly, and has been bred frequently for two years, but has not conceived. Upon examination, I found the opening through
the neck of the womb closed. Considerabe neck wase wecessary to introduce
part of one finger. Would an operation he advisable?
Ans.-If the finger was forced completely Ans.-If the finger was forced completely
through the neck into the womb, it wuld you got only part-way through. It is
necessary to dilate the opening with either the finger, a perfectly smooth,
round stick, or other instrument about
it inches in diameter, or with a dilator $1 \frac{1}{2}$ inches in diameter, or with a ditater Ir instrument is, of course, the proper
Breed in about an hour atter operthe os, she should conceive.
UNTHRIFTY MARE-SCAR.



Yesterday I noticed hor mammin an
floor of abdomen swollen, as though sh
were near foaling. There was wax
her teats and milk followed. Milk
WALL.
2. She has thrush in one foot. S. S. Would you kindly tell me how much it
Ans.- In In cases where the fetus dies
in the womb, the mamma generally be-
comeses active, but it is not uncommon for
milk to escape without such an accident. ..... r
Ans,-For wall work, ons ane bed
gravel., is amont right. It phe wall youintend building wero madd of gravel con-
crete alone, it would reyuire about 10 orocords of gravel and 40 to 45 barrels
cords, and the cement in like pro-

CEMENT STABLE FLOORS
I intend to put a cement floor in my
mindy tell me , horse and cow stable. Kindly tell me, cubic yard) of gravel, and how many
barrels of coment it would take, and how thick the cement should be laid. The horse stable is $18 \times 20$ feet, and the cow
stable is $18 \times 45$ feet.
SUBSCRIBEF. Ans. It mell to be the horse-stable floor four inches thick, and the floor of cow stable nearly that thick, except in alleyways, where it might be of gravel for floors, with a half-inch surface of 1 part cement to 3 parts sifted sand, the horse-stable foor would require
in the neighborhood of 5 loads of gravel in the neighborhood of 5 loads of gravel
and 6 barrels of cement. For the cow stable, making some reduction for a thinner Hoor in parts, about twice those

FERTILIZERS.

1. Would you advise the use of any
comniercial fertilizers on oats and potacoes and turnips, on clay loam? If so The land has not been very well worked for a while, and manure is scarce. Gave a good coat of manure last winter. Innext spring Any suggestions would be hankfully received. R. A. P. Ans.-We cannot adviso positively. You
might, under these conditions, use fertilivers with profit one year and observe
little or no result the next. The use of fertilizers in Canada has not been attended with uniformly satisfactory results and we can only suggest that you investilizers on your land. For grain, the following amounts of fertilizers per acre are suggested tentatively for your direction:
75 to 120 lbs. nitrate of soda, 200 to 300 lbs . acid phosphate, 75 to 120 lbs . muriate of potash. For potatoes, we suggest 150 to 200 lbs. nitrate of suda, to 2.50 los. sulphate of potash.

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\begin{aligned}
& \text { RAISING EARLY LAMBS. } \\
& \text { How should I proceed to raise early }
\end{aligned}
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\begin{aligned}
& \text { How should I proceed to raise early } \\
& \text { lambs to catch the big prices at Easter? }
\end{aligned}
$$ Would it be proftable to have them come at this time of year; or if they came later, would they require a very warm.

pubse at birth? Ans.-It is doubtful whether there would ae any advantage in having the lambs
come earlier than December or January come earlier than December or January.
when the ewes are in winter quarters.
Ewes other than those of the Dorset Fwes other than those of the Dorset breed would not be likely 10 come in
senson soon enough to produce as early as December unless flushed by extra feed-
The lambs do not require very warm housing. They will stand a good dent of cold Whe The wes requite to be liber-
few hours. The ew af milk, and the lambs will learn to eat clover hay, oats and bran and pulped or Fliced roots when three or four weoks old. and should be tod a croep," through which they can go, but not large enough to admit
the ewes. Frosh feed should be supplied ir the lambs dally, the
giveri to the ewos.

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Notid To subscribers.

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