

VoL. XLV.
LONDON, ONTARIO, MAY 12, 1910.
No. 920


THE FARMER $A D V O C A$


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The Columbia Hay Press


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ENTIONS

- HE HARMEHS AOVOXATE



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"Persevere and succeed."

Farmer's Mdvocate
and Home Jragazine
Estabilialial
1806
I.ONION: ONTARIO, MAY 12. 1910

Ontario East and West.

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$\qquad$ Winter Cattle-feeding in Alberta.



The Best Field-crop Competition. $\qquad$
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Mares Losing Their Milk


Four-horse Eveners and Lines

[^0]LIVE STOCK.
Our Seottish Letter.

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i $\qquad$

THE FARMER＇S ADVOCATE
ie rented，and ocular prooi＂ill lee furnished the best methods of cultivating small holding：
It is becoming clear that something detinite＂il require to be done along these lines，or w．＂ill lose the cream of cur young people．mate and male．（anada is reting splendid settlers from
this side，and to－day a great multitude have saile this side，and to－day a great multitude have sailed
from（ilasgow of the sery clase whom we would vers much like to retain at home．＂that a iriend em is not losit，but it is suicidal for the mother comb anhs． 111 these educatonal ctorts are aming in the rita
 been tempted to wander
fomb rues are bing reation ior all dases a cellent domand and pigs ar，at famine prit lo－day atmut 1 CH head oi Godedalus have the hipoed mostly 10 Camada billies with the pedi－里边
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uring the orted during
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ation of your tepartment in this matter is fully
more astounding than that of your（lydestale As． atton of your hepartment in this matter is fully
more astounding than that of your chydestate As．
sociation with respect to Sir Henry and Braidlie sociation with respect to sir itenry and bradide
Prince．To be superlaticely strict in the latter case，and cast an undeseried slur upon a body of men representing a society of over 1,300 breed－
ers oi clydesdates．who pubish all their transac－ tions to the world，and to put its stamp upon
tudbook run as a purely personal venture，with unt responsiliset to ans body，is one，of the urgent necessity for som cre orhauling of the d tails

 then dise for comine in ior a deal of athention noch shom，a motahe thmy haghoned．The io
 is callot the＂reld stoch hind in prement to




FOU さんEに Montgomery．The tirst and third are son．it Baron＇s I＇ride，and the second is his grandson In
their cases，at heast，irize horses of the tirst ramb are breeding prize stoch．The champion stallion 10－day was declared to lee Messis．Montgomer！
urst－prize threy－year－old，Mondel $(14+6: 3)$ ）． hirst－prize threte（106；34），another on of laron＇s Irme The first－prize two－sear－nd was a big，handsom

 while his dam＂as The frmate classes were exceptumall
 new iaces among the older animals，Mand on
Threave，by the moted Bandict（10：315），Was mol

 whan．who also owned the tirst threerea Maid of Threate is onned bo 11，Is Marshat


Feeding the Pig
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it of thi．＂
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hiciency of sead in the first crop is the lack oif pol
Fertilizer Questions for Which are in the blossoms by the humblebees
"her ner the reas at that season. What wer the reason, there is littl., or no seed in the dirst cutting of red clow. Mans (Intario iarmers Hover seed. and many imore rechon on raising their

$\qquad$ iertilioer experiments, appearing in sour issue of
 This season on the lines he proposes. The proint nr. Comslie mahes, that the suppling of the most
cheticient element of the food supply
the





THE FARM.
Growing Timothy and Clover Seed



Sweet Corn for Summer Feed
Editor "' The Farmer's Advocate ": earty fall feeding. There is no other crop that will produce as much succulent food when it
most needed. Don't plant too thickly ; eight ten pounds should plant an acre, and plenty of room for cobs to form. If planted too
thickly, you have nothing but a coarse grass; but, with plenty of room, and good a cultivation grass, but, with plentable crop
It is best to plant beside the lane or pasture
fence, where it can be cut each day and fed fresh fence, where it can be cut each day and fed fresh
to the cows, by simply cutting and tossing over the fence to them.
The best results are obtained when the cob is
fit for table use, though feeding may begin a little earlier. Sows with young pigs also eat it at this season with great relish, consuming both cob and young pigs, after weaning, into condition more quickly than a liberal diet of sweet corn cobs, snapped from the stalks and thrown to them. The
grain is so full of rich milk that the weaning has grain is so full of rich milk that the weaning ha
no ill-effect Any leafy, strong-growing variety should be
planted, such as Fvergreen, Old Colony, Hitchcock, etc. An acre planted to sweet corn will help
out the pastures wonderfully at a season when out the pastures wonderfully at
they sometimes are pretty short.
Essex Co

Rape as a Feed and Weed Destroyer.
Many people who do not summer fullow, on a count of not having a farm suitable for fall wheat
and not wanting to spare a vear's use of and not wanting to spare a year's use of the
land, simply leave this valuabie part of farming
out of question. Whe are situated in just such a out of question. We are situated in just such a
way, but we use a rape crop, instead. We work way, but we use a rape crop, anstead we work
our land the same in the fall as though we were
going to crop in the spriag. After seeding, and our mangels and corn are in we single-plow the with cultivator, disk harrow and harrows, never letting any grass or waed peep through, until
about the tenth or twelfth of July, then we put about the tenth or twelfth of July, then we put
9 or 12 loads of manure, or whatever we have to oo the ark that thorourbly in with vator, after which the sow five pounds of rape to
(he acre broadcast Whe acre, broadcast, We sow with the drill in the grass-seed box, and cultivate at same times thi
puts it on nice amd "ven; give it a stroke with the
hiarowe, and roll it. You then have a nice field puts it on nice and it. You then have a nice field.
harrows, and roll it
weeds and grass all drad. The rape comes ul puicklv, soon covers the ground, ad smothers out

12 to 20 inches high. I have heard some people
say they have trouble with animals bloating, zand
also dying. That, I think, all depends upon how
you start them. We put our cattle and lambs on for about a half an hour, then turn them out
next day, half an hour in middle of forenoon, when next day, half an hour in middle of forenoon, whe
dew is off. and also same in afternoon: next day dew is off, and also same in afternoon; next day
increase time, and so on, until they are thoroughly used to it. Now, to get proper results from rape, you
should have a pasture field near-by, where they can Should have a pasture field near-by, where they can
rum at will. This, we find, keeps the animals from scouring too much. At first you don't see much change, but they soon put on flesh, and very rapidly, too. I have had cows gain as much
as 200 pounds each. We allow them to feed on this until we think we have just time to plow it.
when plowed. it is as rich and mellow as an ashWhen plowed, it is as rich and mellow as an ash-
heap, and from it we get the very best results the heap, and from it we get the very best results th
following year.
(i. M. FORS: Y TH.

What Constitutes an Ideal Ear In your issue of April 21st, I. (C. Patme so of the judging of corn at the Corn show, in
Essex. When he said. "Buy your seed corn on the ear," he gave good sound advice. It is the only proper way to buy seed corn, because is are getting. Then, if you know what what you are getting. Then, if you know what you want bought many bushels of seed corn, but I never have bought any shelled. While it costs abour 20 cents an acro more for seed corn on the ear it amounts to nothing, compared with your gain over the average, shelled-before-shipped seed corn
If Mr. Palmer had said nothing more, he would have been $(1, \mathrm{~K}$, but he goes on to say that the Essex during Felruary last, by the ontario Co cause the judges could not give a prize to large,
freak ears that would not produce corn that would mature here-the very thing he is complaining of
While in Omaha, it the National Corn Conven tion, I did not see any- of those 12 -inch ears he
speaks of, and if they don't show and advocat proof that we don't want it here. Why is it wh
have so many poor corn years here? Because out land is not drained, und because too many mel
like Mr. Falmer are trying to grow too bic ariety. Those little nulbing he mentions, of
inches in bength, and weighing 8 to 10 ounces, ar
not to be despised. three stalk to the hill, with three inesumce nub l, ashels of stelled corn. per acre and he only aska
for 125 to 150 bushels of car corn
$\qquad$ about corn. Only last week a farmor eame to
men to see if I had any seed which would prout me to see if I had any seed which "ould produch
a large ropp of corn on poor land I ditl not have
ant either shelled or on the col).


Municipal Legislators and Weed inspection
In a recent issue, Prof. Grisdale, of Ottawu
outlined a plan of rotation and cultivation outlined a plan of rotation and cultivation to subwould be effective for the purpose designetd, would insure land clean of that and most other weeds, but his concluding sentence, ". See that your neighbors do not reseed you," seems to me next he professor, or anyone else, will explain how this part of his instructions can be carried out
$\qquad$ have inspectors mppointed for the purpose of sece


## THE DAIRY

results. On March
loads cow manure
broken
broken to a depth of 18 inches : April to a depth of 21 inches the following day; April 15 th, 800 pounds acid phosphate and 2, ,vot
pounds cottonseed meal, harrowed in, following pounds cottonseed meal, harrowed in, following the rows. Corn was planted April 17 th, a plant er being used, dropping three grains to hill, \& inches apart. On May 2200 a mixture of 200 phate, 400 pounds kainit, and 200 pounds nitrate soda, was broadcasted over and harrowed in. The of producing, \$139.0"
Of course, farmers living in Ontario would be
very unwise to attempt any thing of this descrip tion, where we
Kent Co..

Perennial Sow Thistle Spreading The judges ir: the standing-field-crop competi report, sound the alarm in regard to perennial sow thistle. Almost unknown a few years ago province, both east and west, and is spreading rapidly. Many other noxious weeds were, of course, oted, but this is the most ony with which the farmer has to deal they, of any the present time. Snothering is recommended as the best plan
of destroying it. Pasture the land closely with of destroying it. Pasture the land closely with
cattle and shee; until about the middle or end oi June, and plow down, cultivate well, and sow wit pecially good, as cultivation can be given for
por and
time and growth is very rapid. The smothering process should be repeated the next year, if neces To this we might add mention of the practice of J. H. Grisdale, Agriculturist, Central Experi
mental Farm, Ottawa, who, on page 590 , issue o
April 7 th. reported very satisfactory results fron April 7 th, reported very satisfactory results from
a rotation of corn in hills, well cultivated, land disked in fall, sown to grain the following spring,
disk-harrowed third spring, and sown to oats seeded down with ten pounds red clover, 2 ounds
alsike, and 12 pounds timothy, per acre. Third year, two cropschover; fourth year, pasture till
August 10th, then land plowed, rolled and disked several times, harrowed at intervals of a week or
ten days, and rilbed up October 20th. Mr. Grisdale concludes that all that is necessary to rid a
farm of weeds is a good rotation, well carried

Husking vs. Sweet Corn-Peas for Canning Factory

showing the amounts of nitrogen, phosphoric
and potash removed per acre by the crops
consideration
struck by the farmer
erted into beef, pork and milk; of distance from
harkets, cost of labor, cte, which must have du
Unfortunately, the questions are not stated in to make certains, assumptions before making the the necessary calculations, as, for instance, that the
three tons of sweet corn per acre refers simply to the weight of ears with husks. Further, the
weight of stalks in both cases must be assumed And, lastly, a difficulty has arisen in finding ana lytical data specially applicable to the problem in hand; and this conclusion was reached after a care-
ful search through all the available American Taking first the case of the husking corn, hall assume that the weight of stalks would b
wice that of the corn on cob, and we then have

$\overline{21, \mathrm{COO} \mathrm{1bs}}$.
Now, employing average data respecting th percentage amounts of plant food in these severa wint. of the total plant food may be returned to nin the following figures, nitrogen being velue at 17 cents, phosphoric acid at $5 \frac{1}{\frac{1}{2}}$ cents, and pot ood in total crop, $\$ 19.83$; the value of the crop food recovered in the manure on feeding Fstimating the feeding value of the crop at 82.015 per ton (placing upon the corn a figure that might represent its value for feeding animals, com
pared with other feeds on the market). we have
$10 \frac{1}{2}$ tons, at $\$ 2.00$...................... $\$ 21.00$

Feeding and manurial value......... $\overline{836.87}$
Employing the same method of calculation for

## ,, 60 lbs .

$8,000 \mathrm{lhs}$
The value of the phant food in stalks, $\$ 10 . \mathrm{GH}^{\prime}$
he value of the phant food recovered in manure
id then stand

$5: 3848$
oblem may be worked, but, as far as 1 can
such as may be obtained by a consideration of
With respect to the inguiry relating to peas
acre is given, and, further, that no data of the
plant iood in circumstances, we have been oblige
Cnder these
the manurial value of the crop in 1906 . The crop,
when cut and was just past the height of its flowe
ing. Yield per acre, green, 12 tons 1,013 pounds
nitrogen in crop, 119 pounds : phosphoric acid in
nitrogen in crop, 119 pounds: phosphoric acid in
As the root system was covered with tulercles, no
doubt a large proportion of this nitrogen had been
,btained from the atmosphere
The total value of the plant food in such a
the

be $82: 3.39$ approximately,
FRAN T SHUTT,
Chemist, Dom. Fxp . Farms.
$\qquad$
A considerathle trade in dover seed has been
done hetween farmers this setason. Irices dropped done hetween furmers this season. Prices dropped
in Vetruars, and deaters, having mosty bought
their supphins hefore the drop, were unable to sell their suppins farmers were willing to do. The
at chearly as
Seed Branch. Ottawa. wihes farmers to know
$\qquad$
$\qquad$

Does it Pay to Rear Daipy Young stock

## continual introduction of young cattle into

 he dairy herd is necessary in order to replace Those which, from old age, disease, and variou reasons, have become unprontable milkers. In the editorial the other week I noticed that his question, "Noes it pay a dairyman to rea hat if due care and reasonable economy is exer cised, it pays over und over again. I say reason farming, both in England and Canada, I have too fiten seen stinting practiced in mistake for econmy. The dairyman who breeds his own cows, that they are free from any symptoms of disease and of a good milking strain, gradually builds up a herd of useful cattle, and does not run the risk i importing disease by buying in cattle which the only case, in my opinion, in which the ques fion is doubtful, is that of the dairyman who ontracts to supply so much new milk daily. Evethen, if he bases the contract on his winter supply, and uses the cammer surplus, or some of it, for alf-rearing, he will be amply repaid.
Much has been written concerning the manage
nent or the memory I should like to make a few conments. One cannot start too early to take are of the youngsters. The pregnant cow should not be mily should be fed not previous to sustaining, food-oats and bran, for instance, with some good hay. As soon after it is dropped a can, 1 give the calf some of its mother's milk an old enamel teapot comes in handy here-and held from the calf. New milk should be fed fo least a fortnight, and then gradually fedixed ith separated milk, until, at the end of a month se separated
 ld. the calf should be encouraged to eat a little ry food. A mixture of crushed oats, bran and very little flaxseed meal should be given, to cther with some sweet meadow hay. Calves have a strange craving for earth, and if a nice loamy
sod is placed handy, they will often be seen at it Galt or rock salt is a necessary article of food and should always be within reach. It is well $t$ Every orportunity should be given for sufficien xercise. Light and fresh air are valuable to it ure health and vigor. Keep the youngster nicely rowing and in fair flesh, but do not let it get ost much that make all the difference in successsul

## New Methods of Cream Treatment

Although the only rational method for per-
manently improving the genoral quality of cream suppried and carrying out of a deater cleanliness and increased cooling facilities on the farm, the modern buttermaker, being con ironted with the conditions as they actually exist,
and seldom being in a position to get results from and seldom being in a position to get results from
the farm end, has in his extremity had to fall The farm end, has in methods at his disposal, within the four walls of his own creamery, to extricate his product from "cream slough into which it has fallen. Hence, and it is only natural that new processes and light from time to time. It is the intention of the writer to discuss several of the more modern methods in this and the following article.

$$
\begin{aligned}
& \text { one the commonest and most beneficial prac- } \\
& \text { tices is that of pasteurization. In the case of } \\
& \text { and }
\end{aligned}
$$ able fut in the case of cream of poor quality its advantageous effects are very much more marked. From the use of discontinuous machines, in which

the cream was held at 140 degrees $F$. for twenty minutes, the change was made to continuous-llow nachines run at 180 to 190 degrees F . The wream Oer night, and churned the following morning,
The practice of holding pasteurized cream for half a day before churning has been discontinued in many creameriss, as it was found that much
better results were secured by cooling immediately to churning temperature, or below, and churning within two to three hours after pasteurization. The slightly-increased loss of fat in the buttermilk
butter. Some creameries which receive the
cream itate in the evening have gone so far as to
rather than hold this pasteurizod cream over till
the following
astent day to churn.
Pasteurization, however, is not without its come these that several new methods have ovec brought to light. The curdling of the cream into larger or smaller lumps during the process of pasteurization has caused considerable trouble and financial loss in many creameries, and in some
cases a discontinuance of the process altogether. cases a discontinuance of the process altogeth
The factors favoring this trouble appear to medium acidity of cream ( 0.3 per cent. to 0 per cent.), low fat content (below 25 per cent.),
and heating only to medium temperature
( 40 de grees to 160 degrees F.). Of these, the acidity appears to be the most important, and is, more over, the factor which is the most easily changed.
By the addition of an alkali, the acidity can be By the addition of an alkali, the acidity can be
so reduced that trouble from curdiling is no longer experienced. Viscogen (succrate of lime) has been used for this puropose, sufficient being added to the cream to bring the acidity down to 2 per
cent. The cream is then pasteurized, as usual, cent. The cream is then pasteurized, as usua added, and acid allowed to develop to about per cent., when the cream is cooled for churning. cured by this method, but care must be taken not to overripen the cream after neutralization
Another common trouble arising from pasteuri zation, and one which has come into prominenc
during the past few years, is the development during the past few years, is the development
a strong metallic flavor which shows itself in butter as soon as it is churned. No one has been able to determine the exact cause of thi connected with the is no doubt that it is closel overcome this, the method of "double pasteuriza tion" has been recommended, and proved success al. The cream is first heated to 12.5 degrces and then heated to 180 degrees, cooled immediate lessor Mortenson within two or three hours. Professor Mortenson, of the Ames Nairy School
claims to have secured a much preater claims to have secured a much greater bacteria
efficiency with this method, compared with the asual one, but cannot as yet explain just why it eliminates the metallic flavor
pasteurization, practical experts in canter of doubl consider that it would be practicable under do no ery conditions in this country. Nor has th mentioning, where practiced, in this country.-

## Glassware Must Be Tested

$\qquad$ or cream shatl be tested for accuracy of measure nent, and accuracy of the per-cent. scale marked are designated thy the Governor-in-Counch places as lound to be accurate shall be ineffaceably marked in a manner provided by regulation point of a bill called the Milk Test
act to provide for the testing of gla
in connection with milk testes, of glassware used both Houses of Parliament at ott
arking of glassware not so tested is prohibited lested and marked is interdicted. Exception is ade, however, in the case of burettes or measost for the measuring of sulphuric acid tast for the measuring of sulphuric acid. Regula-
tions for the operation and enforcement of the Act, fees for the verification of apparatus, and
provision for imposition of penaltics, are left in his legislation has been
ing to the largely-increased number of inaccurat graduated pieces of Babcock glassware that lirectors of the Irairymen'
ern Ontario passed a resol
cegislation
brought to the attention of the Dairy Coter was in's Branch, at Ottawa, they have been collecting ound a very large number inaccurate, varving from 2 to 6 per cent. in the case of milk bottles,
and they found at least one cream bottle that was. 10 per cent. out in the marking. Dairy Commis
sioner Ruddick has come to the conclusion that American manufacturers have beon dumping their
inaccurate pieces on this market. owing to the fact that nearly all the dairy. States in the I'nion
have passed similar leprislation

Caponizing.
I was thinking a few remarks on this subject might be of interest to some of our farmers who are interested in the raising of poultry, and who are subscribers to your valuable paper. I have periormed this operation on different breeds of fo
for a number of years, with very favorable sults. number of years, with very favorable re from which the greatest profit may be derived The majority of birds I have operated laarred Plymouth Rocks. However, some of the cross-bred birds do very well. For instance, cross between the Indian Game and Brahma, of
any of the Plymouth Rocks and Brahma, produces excellent birds for capons, as they grow to he very large, and are plump and richly colored when
dressed for market. I have not operated on thi dressed for market. I have not operated on the
Wyandotte or Orpington birds to any particular extent, but i can see no reason why they would There are advantages in caponizing,

pared with ordinary birds, they are worth from and probably more, when people learn the differ
ence between the flavor of their meat they being more tender, sweeter, and more juicy. Speaking from prices where I have been, capon were selling for fifteen cents a pound, while or-
dinary birds were eight to ten cents a pound, acCording to quality, I am now speaking pof towns, and if these birds were marketed in cities, stili " great many people do not appreciato the difter one or two to be convinced of their superiority ienerally, a few cents a pound is nothing to them The increase it
$\qquad$
$\qquad$ They grow for a few month a cross with a Brahm hirds, and for this reason may be kept later They should be operated on at two to thrwe months of age, just before they commence to crow.
The operation is simple, and only takes from one
to two minutes after the bird is caucht and helld to two minutes after the hird is caught and helel
in position. They must be fasted for ht lens
twenty-four hours, then fed warm. soft feed for wenty-four hours, then fed warm, soft feed for
three days following. My fatalities hare t,een less than one per cent. If the operation has hern
succeasful, the birds will commence to grow rapidly, sit around, become pale in the head. and have do not grow, and a great mards. Their combs testicle is left intact, it will grow to quite size, and the hird crows, and is little difterent
from a cockerel. Thew should be kent where
$\qquad$
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$\qquad$
$\qquad$hirds not operated on weighed 6 to $6 \frac{1}{2} \frac{1}{2}$ pounds. Thesold for 9 cents per pound, so each ordinary, Inird
brought on an average of 56 cents. Aliowingan average of $8 \frac{1}{2}$ pounds for each cabon, at 121
or $\$ 32.50$ on the lot, and $I$ don't ordinary hird.
York feed W. J. R. FowLFR (V)
W. R. Graham, of the Ontario this article. Prof
$\qquad$matter of capons nevertheless with that. in takine the commicsion housesthem to offer him ans more was monhe tomentade

$\qquad$
ell to advantage, then the proposition is all I doubt very much whether they would grow p to; say, Christmas time, to be any larger than hem here last year. They can be housed mof closely than the cockerels can, or even laying pulets, and they are very quiet; in fact, in many writes. For home use, they are certainly wort a trial, and the same would apply to the first a trial, and the
lass retail trade.

## Another Good Eggs Record.

As I see poultry reports from time to time in e of interest to some of the readens. I have a ullets, and the rest a year old. In Jamuary they hid 428 eggs, an average of 13.58 eggs per day her day; in March, 634 epge, an average of eggs ges per day in Auril 641 egens, an average of 20.45 per day. I have now three nice flocks of chickens atched in April; also, two more hens sitting. I on think this is a rad record, compared with

Marking Chickens.
There are two methods of marking chickens anching atuminum le in the web of the foot, between the toes. Th though punched the day a chicken is The hol mains as long as the bird lives. No inconvenienc is caused. At least ten distinct markings can be
made without using more than two punch-holes

## APIARY

Elementary Instructions in Beekeeping.
$\qquad$
$\qquad$
the bees make when under its influence. The
when we find causes of swarming hive, but mo proparations yet made, we know that swarming may be forostalled by removing th
causes. But if the causes have remaind enough to irduce the swarming impulse, and preparations have begun, drastic measures are neces
sary to remove not only the causes, but the "iim pulse," and it is almost like trying to break up In our next article we shall take up the cause arming, and how to prevent it.

HOW TO BEGIN WITH BEES According to the famous instructions for unak Get bees near home; have them inspected by a Italian, buy some queens from a reliable breeder The former owner of the bees will be able to give the beginner a deal of gratuitous advice on thei
management.
A better way is to the apiaries of some successful specialist, or a ter at the Agricultural College, at the same time get
ting all the information possible from one's tutor ting all the information possible from one's tutor
and from reading standard books and journals. Catalogues of supply dealers are good reading as a first investment, and after that it is best to make the bees pay their way. The following is a
good beginner's outfit: Smoker, veil weobruch, text-book, subscription to bee journal, one colony of bees in 10 -frame hive; two extra hives, with medium brood foundation, and wire embedder This is an outfit for the production of ex-
tracted honey. I recommend this in preference to tracted honey. I recommend this in preference to
a comb-honey outfit, because it is a much easier a comb-honey outfit, because it is a much easier
matter for a beginner to get honey in full sized combs than in sections. If the honey is for home cut and used out of the large frames. After some experience has been gained in producing honey in
extracting combs, the more difficult matter of producing it in pound sections can be taken up. The second or third year, if the love for bec
keeping holds, a further investment will be necessary for an extractor and
uncapping can, wax-press.

## GARDEN ORCHARD.

## Some Good Old Apples.-I

some good old apples which have now, for some time, been discarded, owing to their susceptibility
to scab. But now that the use of the lime to scab. But now that the use of the lime-sul-
phur spray has been proved so effective in destroying this evil, and in transforming our unproduc-
tive orchards into gold mines, we may wisely remove from the black-list some otherwise most
excellent varieties. Among these, let me mention excellent variecties, Among these, let me
d few, somewhat in the order of tipening ts the Farly Hariest. Theren in ing opple of
 and far superior in quality to either it or the
Transparent. How well I remember the pride and delight of my boyhood days over two rows of
"harvest apple " trees in my grandfather's old harvest apple " trees in my grandfather's old
orchard, when I could take my schoolboy friends in for a feast, how we hunted for the yellow boughs, and got them either by climbing or by
peiting them with sticks or stones. And the peiting them with sticks or stones. And the
crops those old trees gave about fifty years ago,
and the great waron loads which I took to Hamiland the great wagon loads which I took to Hami-
on market, some seventeen miles away, and for which I found a ready sale. Nor will I ever for-
get the delicious sauce and pies made from these get the delicious sauce and pies made from these
harvest apples in early August, and, indeed, from That was before the days of the scab; but soon










apples, and, in one season sold a capload of threm
to Haskett \& Brown for $\$ 2.50$ a barrel. What
upple of its season compares with it, coming in a
little later than Gravenstein, and before the Rib-
ston or the King?
But that
that orchard terrible scourge, the Scab, invaded it spread and increased, until these fine old trees became unprofitable, and in despair, we rooted all but one, which I I retained for private uses.
Now, thanks can, by faithful to our experiment stations, can, by faithful spraying, again grow this old
variety, and I would recommend the planting a certain proportion of Fall Pippins in any com nercial orchard, where the owner wishes to cover he season with successive shipments.
The tree, however, is only a and very large yields is only a moderate cropper its. great excellence for cooking will always com mend it to those who want to buy the best; while cormmended as a stands in the way of its being cool cellar, the Fall P'ippin may be kept till nearly

## Pernicious Brown-tail Moth.

 The brown-tail moth, the caterpillars of which feed not only upon orchard trees, but upon the forest hardwood trees as well, threatens to become a pest in Canada. In the Eastern States where it was introduced about 1890, it has spread in 1907, It obtained a foothold in Nova Scotia in 1907, but has been kept in check and considerare reduced by the vigor of the measures taken Inoth have been found in New Brunswick since 20. 2. The pest is being brought into Canada on arsery stock imported from France, but as notice
of this fact was communicated to the Ottawa authorities from New York State, where it had been observed on such stock early in 1909, very nureful inspection has been made of all European
nursery stock imported. Though over 300 winter webs have been found in this way, it is believed the Dominion Fntomologist, Dr. Hewitt, assures us that none have escaped destruction. Infesta-
tion from this source has probably been prevented.
Many apple-buyers have lost money during the was expected, and prices were high in the fall. Nuch inferior fruit was marketed, and, prices be-
ing high in early winter, consumption was materally reduced, so the inevitable happened-prices
declined. And they continued to decline declined. And they continued to decline, especial-
ly for the lower grades, until lately, when there has come a revival of demand. Niotwithstanding the low wholesale prices, retailers in the cities
kept their prices well up, and the unusual sples tacle of oranges, which were unusually plentiful,
selling for less than apples, was not uncommon.

## THE FARM BULLETIN

A City on Wheels
$\qquad$ dustries. This weekly payroll keeps 58,000 people employed in the automobile factories. It is estimated that more than 200,000 persons in the for a livelihood. The total annual capacity of the plants is 85,000 cars, with a total capitalization of $\$ 30,000,000$. All told there are twentythree factories devoted exclusively to the produc-
tion of gasoline-propelled vehicles. The total value of Detroit-made cars this year will be $\$ 200$,Ooo, Goo. More than $\$ 10,000,000$ is invested in automobile plants in the city. Sixty per cent. of
the national output of automobiles is built in l)etroit, and the city is enjoying the greatest prosperity in its existence. How long the boom will last, is another question. He is a wise man who
will hnow when to get out.

The Safety Valve.
Fiditor "The Farmer's Advocate":
When the steam engine was invented, they had to provide a means for the surplus steam to es-
cape. This was accomplished by the safety valve.
It has been uscertained that many human beings generate surplus energy, too, and in this case the safety valve appears to be the mouth Or, in
other words, when a person ". flies off the handle, he has to vent his wrath on somethin.4.
Now. Mrs. Hopkins appears to have selected the now, Mrs. Hopkins appears to have selected the
farmer as a means of easing her feelings.
quote one of her own sentences say will out," means that she must let it out, or
something more dreadful will happen within. She complains of how she is disgusted with the shabby
way farmers dress. Now. Mrs. Hopkins, should wat und and expect to pass through "The pearly
wes on this earth he was a fisherman. How dis
gusting it would be for you should some of that asting it would be for you should some of tha
fishy odor " adhere to your robes.

The Tuberculosis Commission's Progress.
By M. H. Reynolds, Secretary. iven opportunity to know what the International ruberculosis Commission is doing, inasmuch as he Commission represents indirectly the Canadian stock sanitary control work of all of the individual States. The last session, held at Detroit, was devoted largely to reports. The committee on Dissemination of Bovine Tuberculosis presented its
study under such headings as "Introduction of study under such headings as "Introduction of
Disease Into the Herd "; "Dissemination by Feeding to Calves "'; " Dissemination by Contact
at Shows "; "Dissemination by Placing Health at Shows"" "Dissemination by Placing Healthy
Animals in Contaminated Stables ", "Dissemina tion by Transportation of Healthy Animals in
Infected Cars "; "Dissemination by Pasture Exposure." The discussion on this report gave con rom the killing-floor to the infected farm, wisc iew to detecting the diseased herds, and concen trating control wored herds eased herds.
The Comn
The Committee on Disposition of Tubercular ing tuberculin for diagnosis the necessity of acceptnecessity of voluntary co-operation and the supe rority of voluntary co-operation to measures of compulsion. This committee considered the feasi ing with tubercular herds under American con ditions. It also made recommendations concerning the relation of indemnity to final disposition of carcass ; the principle of carcass salvage; the study of the conditions which should determine the disposition of reacting cattle.
A very considerable amount of discussion on this report was given to the question of remunerathis should be regarded as a temporary or os a permanent provision in tuberculosis control work. A number of members held that it must necessarily be considered
porary measure. Careful consideration was given to the possi-
bility of making either the Ostertag or Bang method of dealing with tuberculosis in the herd, and Canada for grade herds. This is along the line of finding some method more economical than slaughter for as many herds as possible. The
next meeting of this International Commission next meeting of this
will be held in Ottawa.

## Prospects in Essex.

Heavy rains for past two weeks preceding date of writing (May 2nd) have checked farming operations. Should rains continue, serious damage
nuay result to spring grain, as it is just at a may result to spring grain, as it is just at a
stage when flooding will work destruction. Prosstage when flooding will work destruction. Mrosowing to the mellow condition of the soil, germi
nated rapidly, and is now a month in advance of last year. A few weeks ago, a statement wad last year. A few weeks ago, a statement was
made in. The Farmer's Advocate " regarding
early seeding in several locallites and a requegt early seeding in several locallites, and a request
sent out asking for information from any section sent out asking for information from any section
where seeding had occurred at an earlier date. where seeding had occurred at an earlier date.
Was expecting to see a note from Essex, but so far it has not appeared. The peninsula takes the premium for early seeding this year. In the fields were sown on March 15th, while seeding was quite general in bame locality by the 20th. Much of the grain is covering the ground nicely, de-
spite the cold, raw weather of April. Fruit prospects are, so far as can be ascertained, good. Pears and plums promise an
atioundant harvest, the orchards are white with atundant harvest; the orchards are white with
1, lossom. Feaches are not making as good a showing as last year, but the bloom is sufficient to warrant the expectation of a fairly large crop. carly potatoes showing above ground, while ex-
eander ensive preparations are being made for setting seanon promises to be a record-hreaker, so far as Concerned. May
I ater, May Furmors nre resuming their work. Oats and barulfered considerably. Frost sufficient to form
While imposible to determine the damage sustained to fruit roo at present stage of development, yet proba-
filitios are that the peach crop will be much lightrer than anticipaterd, 0 wing to colld rains and
subsequent frost. peach bossoms have not ma-

## Agricultural Service at Ottawa Gradtrally Extending.

The Department of Agriculture That is to say, lines of advancement are cautiously and safely pursued. Fach year a small number
of new acts and amendments to old ones are put through by Parliament, and each session the vote for carrying on the work of the Department is a little larger than that of the year before. The following table shows the amount of the vote sanctioned by Parliament for the past and presen
fiscal years, and the increase for the present

Experimental
Experimental
Farms
Farms
experimental Yarms, towards establishment
maintenance of additional branch stations
Printing and distributing reports and bulletins of
$\underset{\text { farms }}{\text { fixhibition }}$
or renewing and improving Canadian exhibit
Imperial Institute, London, and assisting Imperial Institute, London, and assisting in
the maintenace thereof ................. the maintenace thereof ....
ant to Dominion Exhibition

|  | 1909-10 | 191C-11 | Compared with Est. of 1909-16 Increase |
| :---: | :---: | :---: | :---: |
|  | \$ 98,000 | \$110,000 | \$12,000 |
| and | 30,000 | 75,000 | 45,000 |
| of | 8,000 | 16,000 | 2,000 |
|  | 75,000 | 100,000 | 25,000 |
| $\begin{aligned} & \text { t at } \\ & \mathrm{g} \text { at } \end{aligned}$ |  |  |  |
|  | 8,600 | $\begin{array}{r} 8,000 \\ 50,000 \end{array}$ | 50,000 |
|  |  | 10,000 | 10,000 |
|  | 5,000 | 5,000 |  |
| ther | 90,600 | 100,000 | 10,000 |
| ucts. | 75,000 | 75,000 |  |
|  | 7,000 | 7,000 |  |
| ceds, | 49,000 | 50,000 | 1,000 |
|  | 52,600 | 52,000 |  |
|  | 250,000 | 250,000 |  |
| the | 110,000 | 120,000 | 10,000 |
| ana- | 5,000 | 5,000 |  |
| $\begin{aligned} & \text { enses } \\ & \text { ture. } \end{aligned}$ | 10,600 | 10,000 |  |

## MORE BRANCH EXPERIMENTAL FARMS

 The $\$ 12,000$ increase for experimental farms is needed for the carrying on of four additionalfarms, established a short time ago, at Lacombe farms, established a short time ago, at Lacombe
and Lethbridge, Alberta, Rossland, B. C.; and
Charlottetown An item of considerable importance is that for the establishment and maintenance of additional
branch experimental farms. Hon. Mr. Fisher has for some time been considering this question, and has decided that the varying character of the son considerable extension to the present farm system In the House, Mr. Fisher stated that he had in mind some half dozen new farms, distributed irom
east to west. Already, one has been located at Scott, Sask., on the Grand Trunk Pacific, north of Moosomin. He mentioned that one or two farms
may be established in the dry belt of 1 ritish Comay be established in the dry belt of lritish Co-
lumbia, in perhars the Counties of Kootenay and
Old likely to have a farm; also Northern Manitoba, Northern Quebec, and Western New Brunswick. The
locations for these, it is understood, have not been locations for these, it is understood, have not been
decided upon. The farm at Scott is now being
broken, and ordinary farm buildings will be put broken, and ordinary farm buildings will be put
up this summer, including a dwelling-house, granary, and horse stable. it is not the intention to
do much, if any, work with live stock at these farms, but to carry out experiments and demon-
strations in the cultivation of the soil and the growing of grain crops.
EXHIBITIO
 fruit industries, and the transportation of food
products. This is for a general expansion of the
work of the Branch of the l)airy and cold-storage Commissioner. Additional fruit inspectors will be employed at various points in British Colum-
bia, Ontario, and the Maritime Provinces. These men, when not inspecting fruit, are engaged in pruning, and other orchard work. A cheese in the season, to inspect island and other Maritime
cheese for export. Heretofore, a cheese inspector cheese for export. Heretofore, a cheese inspector
at Montreal only was employed. at Montreal only was employed. in creamery work in various parts of the country. The ice-cheese-car service will be put on two weens
earlier than usual, commencing June 201th. It will be continued for eleven weeks. The ice-butter-
car and the ice-fruit-car services will be the same The amount available for bonusing cold storages year, only some $\$ 25,0(0)$ were taken up for thi
work The items for experiments in cold storace for
fruit stand the same. This work includes the ordinary storage cellars, and the shipping of the
fruit to distant markets. Shipments ane made in the winter, early spring and late fpring. Micst but some to Calgary. The cold storages used ar
located at Loadon, Ont.: Montreal, Que.; and sit

Displays at the great national and world's. Mx
positions have been found to give excellent returns
in advertising Canada for industrial and immigra tion purposes, This year two great fairs are re-
ceiving attention, at Brussels, Belgium, and the Festival of Fmpire, at London. Then, it will be
observed that the Canadian exhibit at the Imperial Institute, in London, is to be renewed and
improved. It is hoped to make this a standing. fresh and telling advertisement of the resources of
the I)ominion. Last year, no Neminion fxhitation was hocd vote of $\$ 50,000$ towards the prize list and the
providing of necessary increased accommodation. Prince Idduard Island, in not expecting to hold a
Dominion Fxhihition, is taking advantage of the big show at st. John by asking a grant of $\$ 10$.-
ooo. so as to attract exhibits across the Straits. his is a repetition of what was don SEFD CoNTROL ACT AMENDED thousand dollars for his general work, which taken advantage of by a very large number of
iarmers and others to determine the vitality of is upplied to seed fairs and field competitions. The with the administration of the sale in connection is having a marked influence upon the cleanliness
and vitality of seeds sold throughout Canada. An amendment to the Seed Control Act was provision of a standard of germination of seeds
that may be lawfully sold. The amendment reforage plants, field, root and cerrasses, clovers. offered for sale must he capable of germinating in centage standard recognized for good seed of the
kind. Receptacles holdingr cead
Grant to P. E. Island Exalibitio
umigration stations
due development of the dairying and fruit in ion of, the sale and trade in, food and other agricultural products
wards the encouragement of the establisisment
of cold-storage warehouses for the better preserof cold-storage warehouses for the better preser
vation and handling of perishable food products
encourage production and use of superior seeds and for the enforcement of Seed Control Act Health of Animals
the administration and enforcement of the Meat and Canned Foods A
encourage production and sale of Cana dian tobacc
tribution towards maintenance of, and expenses
same as last year. This includes a grant of
some $\$ 7,000$ towards the work of the Nationa Live-stock Records. As heretofore, grants will be made towards winter fairs, co-operative Provincial
auction sales of pure-bred stock, and expert judges and lecturers will be supplied for fairs and series of agricultural meetings throughout the Dominion, fnore especially where the live-stock industry
shows a tendency to lag behind. It is probable. shows a tendency to lag behnd. It is probable
also, as last year, special attention will be given to the improvement of the sheep industry. The work of the official testing of pure-bred cows for
the Record of Performance is extending and exthe Record of Performance is extending and ex
panding, and is now going on in every Province It requires a quarter of a million dollars to finance the branch of the Veterinary DirectorGeneral for the fighting or contagious that much to administer the Meat and Canned Foods Act. In the former Branch, in ad. dition to the salaries and expenses of a large staff of inspectors, large sums of money are needed
to compensate for animals destroyed, such as horses for glanders, and swine for cholera. The experience of the last few years leads to the conclusion that these diseases are being greatly re-
duced in Canada. The policy of testing horses duced in Canada. The policy of testing horses the tracing and destruction of affected animals in Canada, instituted by Dr. Rutherford, is year by year reducing the amount of money paid for com-
pensation. As pointed out by the Minister to the pensation. As pointed out by the Minister to the
House, only some $\$ 40,000$ was paid last year for cousensation, as against nearly $\$ 200,000$ the first year compensation was paid.
An amendment was made to the Meat and
Canned Foods Act. It is of a verbal character and does not affect the principle of the bill. (iame is added to the list of animals to which the bill
applies. The Act applies to some goods which have never been in what is technically called an
establishment. The amendment, therefore, does
Then away with the words defining an establishment. The Act permits the slaughter and sale of animals yording which would define clearly what consti tutes a farmer. The following definition was then incorporated in the amendment: "A farmer is a
person whose recognized occupation is that of farming, and who slaughters only such animals work of tobacco pivisies
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ Seeds of the Comstock Spanish variety. In addi-
tion, we expect to try a few imported varieties With a view to produce so-called pipe tobaccos,
canadian seed-leafs generally used for this pur1. Burleys have sull bient and burn too rapidhave poor burning qualities. We expect to obta in
a product which, while burning properly, will pos-
$\qquad$
$\qquad$ Whio, Comstock Spanish, and Comstock Sumatra.
Yarious insecticides shatl he tried for destroying
$\qquad$ standard of germination must he so marked.
The amendment also provides a classification
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ brid and Comstock Sumatra. Our object is to as-
certain which of these tobaccos can furnish the best shape of the Brewer leaf is somewhat more rounded than that of the Comstock Sumatra, but it ripens Hent veins than on the other hand, more promi" The Fxperiment Station at Harrow, Ontario, and cold beds, and seed-beds under alass and of hot vas covers., The prantation will chiefly include
$\qquad$

$\qquad$
$\qquad$
$\qquad$
ing this tobacco, introduced but a short time since in Canada." An Act, to be administered by the Dairy and
Cold-storage Commissioner, to provide for the testing of glassware used in connection with milk tests, was passed. It provides for the sace and
use for testing milk or cream of only such test bottles, pipettes, measuring glasses, as have teen
tested for accuracy and marked in a per cent scale. It prohibits marking these glasses
tha
have not been officially tested. The Act will probably not come into force before January 1st, present stock, and secure fresh, properly tested A bill which has attracted much attention throughout the country, and which is said by some
to be likely to injure certain branches of the horse breeding industry, after a long fight, passed
the two Houses of Parliament. The bill, as first prepared, was considered by the majority
too drastic, and was defeated. A compromic measure was brought on, and passed, with little
discussion. Its main features were given in " The Farmer's Advocate" of April 21 st, page 681 . The " Ilestructive Insect and Pest Act"' is a
measure introduced by Hon. Sydney Fisher and measure ince by Parliament, authorizing the Gover-
sanctioned by
nor-in-Council to make prohititory regulations in nor-in-Council to make prohibitory regulations in
relation to importations or sale, inspection, treat relation to importations or sale, inspection, treat
ment, destruction of plants, vegetable matter or ment, destruction of pranting compensation not to exceed two-thirds the value: confiscation, appointment
of ooffers, and providing penalties for contraventions. Previously, the operations of the Act which this one supplants were confined largely to
the preventing of the introduction of san Jose
scale

Endorses Mps. Hopkins

$\qquad$ Advocate" 1 usually get a reading of it, and ${ }^{1}$
have rcad with interest the letter of Mrs. Hopkins, of carleton lo., and some of the criticisms, and
would just like to say 1 quite agree with her in the men know the plain truth will be of great benefit to them, and be the means of beringing not heir personal appearance and actions at all times. A. R., in his criticism, says, "Who would think ing to the city with a load of farm produce?"
ile certainly would look very much out of place in such a dress. Indeed, we do sometimes see
theme in a shiny, swallow-tailed black coat at marhet. Now, a nice, well-fitting serge or tweed
would be much more suitable for nearly all orcasions. what a pity they do not generally tidy
Then, whit iso, when coming to the table at meal-time; they
thay wash hands and face, but come without a oat. wash hands and face, but come wiout A. R. also says that few farmers are so lazy
that they will not lift a heary basket into the
wareon or buggy for the womenfolk. I do not wagon or buggy for the womenfolk, I do not
think it is a question of laziness at all, but simly because they have not been in the habit of
performing these little courtesies, 'and do not know performing these little courtestes, ond dom consider
the value of them. Too many of them co "put-
that any little attentions shown a lady is "p hat any little attentions shown a lady is "put-
ing on airs." How often do we see men from the country-not from laziness, either-drive up
to a door, and sit, while the lady climms out, or
n. as the case may be? Neither is it laziness prevents them lifting their hats when they meet a
ady,
What a pity that all this is so, for I believe hat farmers, despite a sometimes rough exterior,
re better at heart than they appear to be, and. are better at heart than the appear tit ard polish-a most desirante the country, on a
whole, are mored-yet men in moral. Hoping that the discus-
had muestion may not be closed betorn
hat say
Screws Tightened in New York Bills, prohibiting both witten and oral hook
aking, and making the track and jockey-clut Nials guilty as common gamblers for alloxing s hind of betting at race tracks, passed State
wre and wpper hranches of the Now lork Stater
rislature recently. The supporters of the bills
as the letter, of the law enacted two years ago
prohibiting, in broad terms, bookmaking and
pool-selling, and the screws had to be tightened Successful Horse Show at Ottawa. the auspices of the Ottawa Hunt Club, was for mally opened on Wednesday, May 4th, and from the time of opening, till Friday night, when, owwas closed, every moment was full of interest Commodious quarters, excellently fitted up, and judges; a long entry list of over six hundred, and a programme carefully prepared and carried out, ront rank of spring shows
The entries numbered over 600, and were from the stables of such well-known exhibitors as Beith,
Beek. Yeaver. Webster, Wilks, Fdwards, Penpal Sifton, Gudewill, Warren, and many others.
The lireeding classes, unfortunately, were liph only fourteen or flasses, unfortunately, were light,
stallions in all being shown, and even fewer brood mares. In the drall Reid \& Coo, of Ottawa, was first, with 13arber's Viison's Percheron, Rocket, third. In Hackneys, Yeager s King's Chocotate took first place, Ed Bang third. The three Standard-breds entered were I'ilot Chimes and Rex, belonging to Robert Allen's horse Five good Thoroughbreds James hann; Mesmerist, Rosemount, Kirkfield, Master Iraft horses aljean, was the placing of the judges. minion Transport Co., of Montreal; Geo. Matshowed the best animals, and were thus placed in order of merit. In carriage horses, Beith, Beck,
Yeager and Gudewill divided honors, and left Yeager and Gudewill divided honors, and left
little for the others. In the saddle classes, mention might be made of Yeager's champion, Day
Dream, and Rodney, Meck's reserve champion, hut there were many others equally as good. Jr Warren's Sayity, were also good ones. Hunters and saddlers were out in the largest numbers, a high us thirty-eight entries being in one class.
Several classes, as well as all the ponies, were not judged, as they were down for Saturday's blue in most of the classes that were judged Blackbird, Sir Fdward and (irey Cloud were first-
prize horses in three classes, while Sifton's IIume Blake and Harold Shortt's entries were successiul in three others. In the roadster class, Miss Wilks Mird first and second on Oakum Belle and Moke ird, and frrst for team.
Ottawa's first show will certainly do much to stimulate the horse industry in Ottawa and its
vicinity. Already, local men are planning for better horses, and new men are looking about for
good ones to start with. The management are to be congratulated on the success attending their first efforts

## E. O. L.-S. and P. S. Building Probably Enlarged

## At the annual meeting of the Board of Direct

 Show, held in Ottawa on Friday, May Gth, 1910 . the report which the Fxecutive Committee pressented to the 13oard indicated that the results of the past year's work had been satisfactory. The
attendance at the show was more than double that at any previous show, while the number and qual-
ity ity of exhibits was all that could be expected. There were 2,722 different exhibits in the show The financial statement, presinted by 028,14 . While the expenditures amounted
$\$ 13,296.28$, which included the payment of $\$ 13,296.28$, which included the payment of an
overdraft of $\$ 613.71$ as shown by the report of the year previous. There is a halance of $\$ 1,731.86$ on hand, which, however, includes $\$ 1,500$ to pro-
tide for the expensess of preparing for the next
show. until October 31 st , 1910 , which is the end
 The next show will be held during the week
was hemending to the one on which the last show
whe dates will be January 1 gith to was held. and the datwe whe 1911 .
It is decided to haw the ate of hoes computed
 N.

ham, Renfrew; N. F. Wilson, Cumberland Jones, Zenda ;
Garbutt Relle
wm. Garbut, Belleville; John Gardhouse, Hightield : law, Guelph ; W. A. Wallace, Kars: R. Richew Whiteson, South March ; Geo. Robertson, Ottawa; John Higman, Sr, Ottaw It is expected that, before the next show, an addition will be made to the show building at ost of $\$ 8,000$. The ground floor of the addition
will be utilized for the exhibit of dairy cattle while the second floor will be used as a lecture wall. The present lecture hall and dairy stable will be taken for the beef-cattle and poultry ex-
hibits.

Will Toronto Provide New Fruit Market?

In the conference between fruit-growers interested dealers, and a special committee of the Toronto city council, was held on Wednesday afternoon, of a new fruit market for the Queen City. The producers, represented by prominent members of the Niagara Peninsula Frult-growers' Associa-
tion, were unanimous in the view that a commodious and convenient market should be provided. The special committee of the city council heard the views of the merchants and consider the matter. Mrderman Foster has been agitating for such tee of the Ontario Fruit-growers' Association has casions to try to arrange for three separate ac suitable building. It is not believed, however, that there is much chance of the matter carrying
at the present time, owing to the opposition of the Grand Trunk Railway and of three of of the Whitest wholesale houses in the city, namely, White \& Co., McWilliams \& Everest, a and Clemues
Bros. These three firms have now the pick of the wholesale houses on Church Street, and would likely be seriously affected by a move on the part of the trade to any other point. The present market, which, if we are not inis-
informed, belongs solely to the Grand Trunk, does not cost the parties using the Grand Trunk, dues Inoney for rental of space. A fair charge would have to be made by the city in case a new build-
ing were erected. In addition, the Grand Trunk which now practically controls the car-load ship ments of Ontario fruits into the Toronto market Tould likely do everything possible to prevent the trade, which would follow if a building was ar ranged for in such a place as to permit of equal

## O. A. C. Examination Results.

 Results of examinations in the first, second andthird years at the Ontario Agricultural Collegge are before us. The lists have grown too lengthy
to publish, but the winners of scholarships and special prizes may be given. Scholarships a ararded in first-year work, theory and practice, were won fury, Alta.; Biological Science, P. S. D. Harding, lacombe. Alta.- Faglish and Mathematios, J Miller. Mt. Elgin, Ont.;
Stanlev, Grasical Science, G. W Stanley, Granton, Ont. In the second year, the
ten-dollar prize in books, and the Governor-General's silver medal, both given for best work in the first and second years combined, were won by the Geo. Chapman scholarship in Fnglish. The Barton-Hamer medal, for work in judging at The Chicago International, was won by 0 .
White. "hite. Special prizes in Finglish were won by par, and F. P. A. Powell, of Rudell, Sask., in the second year. Ninetr-three students negotiated
the first-year examinations. though a number will have to write supplementals in one or two subsophomore pass-list numbers 71, headed by the There were more hours of sunshine at Ottawa Cut of a possible 370 , there were 214.8 sun-
shiny hours at (Ottawa, and 202.9 at I Tacombe.
 tachmbe in the amount of thanshine in March put







King George $V$

THE BR\|T\|SH EMP\|RE \|N MOURN\|NG.

When, last Friday night, the bells When, last Friday night, the bells
of the Empire tolling, and the flags of the Empire tolling, and oroclaimed
of the world at half-mast, proch that the King of the British Empire was dead-dead ere the sixty-ninth
anniversary of his birth-the first anniversary of his birth-the first
wave that swept about the glolee wherever the flags of Britain flew, or the hand of friendship had been extended to her, was one of prolourd
sorrow. Borrow had come quickly, unex-
The end her
pectedly; the news had been as a pectedly; the news had been as a
blow from the Unseen. Then the significance of the death vaguely, disturlingly, on the minds of men. Britain had been caught by this event in the midst on strugtes on record; and the event, one of profound personal grief before, gan to assume calamity. Politics stood still : men questioned, and still are questioning, yet they can

The new King, George $V$., has been political opinions are practically
poled anknown, hut the Empire trusts that develop in him those qualities which have made the reigns of his father
and his grandmother so happily succostill An English sovercign, it has been said, has three constitutional rights the right to encourage, and the right to warn, and it has been added that a ruler of great sense and sagacity would need no others. reign, King lid
Ituring his ward has shown abundantly the truth of the latter statement.
He has invariably listened with He has invariably listened with
wise intelligence to the advice of wise intelligence to the advice of
his ministers $\vdots$ tericomernaced": and when he has inbeon to "arn and direct his Empire irom purilous ways. Pre-eminently
h. has huen a macemaker, and b
world peare which every noble mind so greatly desires.
It was with his approval that the froposals for limitation of armament were presented at the Hague Con ference. He has more than once, in
the face of possible crises, made personal trips to the Contipent, and held those private conferences with monarchs ant statesmen, which hi well fitted him to conduct, and which, though so little blazoned, hav een sunicient to pour oil on trouble atoout in entente with France, some years ago almost actively anti-Brit ish in spirit: through him, breaches rimimiships strengthened with spain and Portugal and Italy and Austri and Japan. At all times he has
shoun a genuine and wholesome likshoun a genuine and wholesome lik
ing for the linited states, and ad miration for its administration. Nor when the great political crisi
within his ove dominions came-th
fierce fight for a more just and demo cratic basis, which has marked the most daring on record-not even then
was the King's unfailing good sense found wanting. By his assent to the Budget, last month, King Ed-
ward proved at once his wisdom, ward proved at once his wisdom,
and the fact that he has been a and the fact that he has been
King for the peopple.
Possibly, too, the qualities which have made for his success as a diplomat have rendered him, as he ha the mass of his subjects. ", Too n turally dignified to be always thinking of his dignity,
stinct and feeling
of ceremony when ceremony was aut of place, he had the happy knack reaching the popular heart by the in-
fallible process of always doing and fallible process of always doing and
saying the right thing at the right time.'
Innumerable incidents have been told
of him which show that royalty in him whic in royalty in kindly is human-intensely, lovably human.
Needless to say, the business world will suffer by the death of the King, coming, as it did, at the beginning
of the gay summer season, which means so much to all the lines of insoctry dependent upon the upper announcement, many lines of speculation came to a sudden halt, and
the stock-markets were immediately Edward " will be remem bered by our especial audience, who have followed the successes of his as "the farmer king, " His name will go down through history as that personality will bive in the . Tis of his people, who have been touched mmeasurably with the truth and the
pathos of his last words, "Well, it is all over, but I think i have, done Brief Sketch of the Late King's Life.
born at Buckingham Palace, Novem-
ber 9 th, 1811 . His early education was conducted by private tutors, and tensive tour through Europe.
his return he settled down
serious course of study at Edinburgh, and in 1860 he visited America,
vhere his geniality and winning personality everywhere won him hosts of friends. There are still many
the chief cities of Canada who nember having met the
anes on that occasion
ook lectures at 0xford, and went in
ridge University. In 1861 he thet
he Princess Alexandra of lenmark,
and the marriage, which, contrary to
he too usual rule in royal circles was essentially a "love match,"
took place on March 10th, 1863 . (in
January 23rd 1901 he succeeded to anaury 23 rd, 1901 , he succeeded to
he throne of the 13ritish Empire, and since then he has abundantly shown his qualities for kingshipert Victor,
six children: Prince Albert Ver
who died in 1892 Prince George. he present King; Princess Louise Victoria, Duchess of Vife; Princess Queen of Norway: and Prince Alex-

## The New King.



## Our English Letter.

$\qquad$ vals, and with the knowledge tha
one's messages cannot fail to have somewhat belated air, naturally is
very restrictive as to one's choice subjects.
Just now I should like to enlarge upnn the sweet spring surprises which every day brings with it : the sof
Devon breezes, the primroses, and Devon breezes, the primroses, and
their cousins, the oxslips; the sweet violets, the daffodils, the purple tinted lilacs, the greon shoots of the
coming roses; the busy bird-builders coming roses; the busy bird-builders
the sounds and scents of early spring. But by the time this reaches you many of these will be delighting y also, in your Canadian homes, an
you will already have become for getful of your somewhat overlong winter, and be plamning what seeds you shall plant in the fields you have
plowed, and in the gardens you have already laid out.
I had better, therefore, tell, to-day of some of the happenings whicl
have been interesting me, and which interest to you, as well. To To some
with, on the Thursday before Friday, the 25 th of March, there was
held at Westminster Abbey the pic turesque ceremony, handed down for
no less than 3000 years, of distribut
ing to deserving old men and women what is known as the " King's
Maundy Gifts." These gifts were in anci custom requires that the recipi ents should in number be equal to
the years of the reigning Kine's ace Accordingly, sixty-nine men and year. Shortly before 1 o'clock a proce sion formed in the nave of a proces There were choristens, clergy, almon sergeant-major of the Yeomen carried on his head a huge dish containing was in red net purses, and the silser
in white net purses. The procession
passed from the nave to the
$\qquad$ of the man retcived 525 s., in liet Tormer day were accustomed to dis
tritute if 1 ins. instead of provisions
it in respuct of the eold maundy, and 9 siler maundy to the amount of 5 s King's uge, and compersed of the threepenny and fourpmns, twopenny Morer Thus, each man received

that before she left wordly things be hind her, she made a will in the terms
of which twenty-one elderly widows of the parish of Smithfield ware to receive doles from her estate, and
that prayers were to be said for her soul on the morning of every Good
Friday. So far as any authentic in Friday. So far as any authentic in-
formation is concerned, this story may be treated as a myth. There is no name on the tombstone, and there is no record in the annals of the par-
ish of any such bequest. In recent ish of any such bequest. In recent
years sums of money have been left yor the purpose of continuing these Waster doles, the last donor being a
Fileet street stationer named butterworth. The interest from this leg-
acy, supplemented by gifts from
churchwardens, amounts to twelve acy, supplemented by gifts from
churchwardens, amounts to twelve
and sixpence, which, after allowing for the twenty-one sixpences, leave ross buns.
In whatever way it originated, this custom has existed for centuries, and yesterday it was observed with all the
old formalities. The old ladies assembled in the church porch, and then -with painful effort in some caseshad to ascend a short ladder to the
churchyard, for that is the only churchyard, for that is the only
means of access. It is hemmed in on thiee sides by buildings, and on the Yourth side there is a wall, which can
t,e surmounted only with help. The se surmounted only with help. The
selected recipients gathered round the tombstone, on which the sixpences were deposited singly, and each one
stooped and picked it up often with complaints about "" the rheumatics." The buns were afterwards handed to
them by an official of the church and one old dame did a charmingly gracious act when she received hers.

$\qquad$
$\qquad$ Turner gathered the women togethe Tright and new like the sixpences stood around him, with a little com
$\qquad$ nurses from st. Bartholomew's 1loshas resided in smithfield forty years. hecome less lived to see the parish
and less a residential quarter. So steady has been the
departure of householders that the Ciood Friday distribution of sixpences is likely
want of money,
$\qquad$
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$\qquad$ these points, inetter prices might be That Welsh poultry and Welsh eggs to know, for, has not the postman carefullv. -racked box of fresh eggs Carmer of Verwick, near Cardigan "s Advocate" for many years, bu bors. that they may get, as sho
$\qquad$

Hope's Quiet Hour
its spectacular effect and humane purpose, originated with the Baroness oming of the motor-van, and the ister to man's pleasures and neces arger, even, than ever before.
All the horses enterad ore aspectad from hoof are rigorous and the principle of judging is simila
to that of some baluy chow the proper management and groomronsid the animals is taken into Regent's Park, on Easter Monday Regent's Park, on Easter Monday,
was the number of men for long number of men who competed


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Nomex mivern －20


 Nut mown You may have tried dyeing some old material before，and were not
satisfied．But it wasn＇t Diamond Dyes you used．Diamond Dyes are far satisfied．But it wasn＇t Diamond Dyes you used．Diamond Dyes are far
superior to any in the world，and always give perfectly splendid results After trying them once，you＇ll use them with pleasure on many thing you have in the home that seem too good to throw away．
There are a thousand uses for Diamond Dyes．and wath win will sat ou money．
You Take No Risk with Diamond Dyes
 Faded hosiery，sulk gloves，veils and leethers can be made like naw with theitir use
 And for dyeing dress，voods，faded garments，skirts，waists，ampl sunts
 There is
material
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THE TRUTH ABOUT THE USE OF DYES Diamond Dyes are the Standard of the world，and always give perfect results．You must be
sure ithat you get the tral Diamond Dyes and the $k$ ind of Diamond Dyes adapted to the articie
you intend to dye．






Diamond Dye Annual－Free $\begin{gathered}\text { Send us your name and address（be sure to } \\ \text { mention yourdealer＇s name and tell us whecher }\end{gathered}$ he sells Dianoond Dyess and we will send you a copy ont ontion your dealer＇s name and tell us whe ther
of the Direction Book and samples of dyed cloth，all FREF． THE WELLS \＆RICHARDSON CO．，LIMITED 200 Mountain Street，Montreal，P．Q

The Ingle Nook

| ［Rules for correspondents in this and other Departments：（1）Kindly write on one side of paper only．（2）Always send name is also given，the real name will not be published． anyone，place it in stamped envelope ready to be sent on．（4）Allow one month，in this depart－ ment，for answers to questions to appear．］ <br> June Weddings． |
| :---: |

June Weddings． Pormation re how to conduct weddings
increase in numbers．－hence the following：
 date set for the marriage．They should be engraved（some use printed sheets，
which are less cxpensive）in platin script．
ou fine smooth dull crenme vapmooth，with envil－finished，white or When mailing，these enveloperes should not
be sealed，but should be slipped inside of arger，less expensive ones，
For a church wedding，the invitations


$\qquad$
urtain of cable net，with linen banding
applied．Small figures of blue can－ as help in the design，being bitched on by machine
buttonholed down． herself the recipient of gifts，and she
must personally return by note prompt nust personally return by note prompt
and cordial thanks for every article as soon as possible after it arrives．
Wedding presents are Wedding presents are usually displayed
on the day of the weddins．Of late，it
$\qquad$
$\qquad$






 ters R． S ，V．P．．（Respondit s＇il vous
plait，or＂．Reply if you please＂）． The or Rether aty if you please＂ must，of course．assume all the expense


 ormon ben usked from town to a wedding in the coun－
try．The groom pays the teas pays the gexton，best man and ushers， ur the ushers，and the one in which he
and the bride drive away after the cere－ nony．At every point he acta，of course
ass host to the best man．
As soon as her invitations are issued．


Dan mand


DOES A WASHING JUST LIKE PLAY!
Six Minutes to Wash a Tubful


my 1 100 Gravity W Wher if fouldn' tyet anothe ank fom heary blinects to duntiess dace - A. mach, Manager. The 1900 Washer Cu., $35 /$ Yonge Street

ECZEMA

CAN BE GURED MY mia , porthng. gitant<br>DR. CANNADAY. O\& Park Square, Sedalia M



Stencil Design: Enlarge to required Size.
the invitations, the bride arrives at the When the rite in over, another triumph
thurch the guest come earlier); the or. ont widding march begins, and the wed
ant zanist is given the signal, and begins the ding party moves slowly out ehe brio

 he grooul and his best wan arrat of the bride's tamily


DR. WOOD'S NORW AY PINE SYRUP. anes of the Throat and Lungl.
Coughe, Colde, Bronchitile, Soro Throent Hoarreneses, Croup, Pain or Tightness ib tield quickly to all Bronchial Troublem sield quickly to the curative powers of thin prince of peoctoral remedies. I
contains all the virtues of the world famoun Norway pine tree, combined with Wild Cherry Bark, and the soothing healing and expectorant propertion of other excellent herbe and barks.

| $\qquad$ <br> SPRINGTIMERECKLE TIME |
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Queenisuluiversity and College kivesson

## ARTS

ARUCATION THEOLOGY
SCIENCE (Including Engineering) The Arts course may be taken without attendance, but students desiring to grad were 1517 students registered aessio were 151
$1909-10$.
For Calendars, write the Registrat GEO. Y. CHOWN, Bingston, Ontaria BOYS FOR FARM HELP The managers o Hiomes invite applications from farmers, or others,
lor the boys who are arriving periodically from





## FURNITURE TO YOU at Factory Prices.




bRUCE'S NEW CENTURY SWEDE TURNIP
 shipping variety, and for cooking purposes cannot be excelled
by any other Swede. It is a purple-topped variety, resembling Westbury, of splendid uniform growth, of fine quality, a heavy cropper, and the roots are clean and of handsome shape. In
sections where large quantities are grown for the American 1/4b., 17c.; $1 / 2 \mathrm{lb} ., 28 \mathrm{c}$.; 1 lb., 45 c .; $4 \mathrm{lbs} ., \$ 1.6 \mathrm{o}$, postpaid
Bruce's Mam. Inter. Smooth White Carrot

 Farm and Flower Seeds, Plants, Bulbs, Poultry Supplies, Garden 1 mp
ments, etc. FREE.
J. BRUCE \&. CO'Y
. BRUCE \& CO'Y, LTD., HAMILTON, ONT


 aste, and, when hot, turn into a baking
dish. Level the top, sprinkle bits of butter and some grated cheese over th top, and brown in a hot oven. A few
cubes of fried bacon may be added liked. (3) Eight medium potatoes cut in dice. Make a thin, white sauce, with milk and flour. Add one tablespoon chopped parsley and some minced onion caye potatoes. Season with salt and
cayene, or paprika. Turn over all the White sauce. Let boil up once, and
serve. New potatoes are nice done the $\underset{\text { way }}{\text { wa }}$
$\qquad$ for a floral design for your cushion, bui
a strictly floral pattern is hard a strictly floral pattern is hard to find
now that severely conventionalized de
signs are so much in

## Some Useful Hints

Dear Dame Durden,-Like so many
others who have writien, I have often intended writing to express my appreciu Time goes quickly, however member happily and busily engaged, as are most
'f our farmers' wives. Did any of the Nook readers ever ty cleaning their unpainted floors at house
cleaning time with a teaspoon of con
centrated centrated lye (use Gillett's) dissolved in
a pail of water? Use without soap You will find it particularly good
verandas or summer kitchens. easier to use, also, it gives better results.
I have never found that strength hut 1 have never found that strength harde
on the hands than any other method Did any of the readers over try using
silko for darning cotton or cashmere stockings? I used to use the darning
cotton, but found the hole always wore For children's stockings I never use any
thing else.
A haldimand mother
We shall be glad to use the little appron
attern when the "cuts" are made fol

##  An $\begin{gathered}\text { Ehionograph } \\ \text { Pill surpisce ou }\end{gathered}$

The first time you hear it you will be surprised at its goodness. Everybody is-particularly the first time you hear the Edison Phonograph play an Amberol Record.

People who have heard Phonographs talked about, or who have heard them at a distance on the street, or who have heard some other make of sound-reproducing machine, do not realize the remarkable goodness of the Edison
Phonograph. Phonograph.

This is partly due to the wonderful sapphire point which does not scratch or make any sound, and partly due to the wonderful Amberol Records which are so smooth and clear that they can reproduce the finest violin melody with all its natural sweetness.

This is the same instrument which plays and sings those musical comedy songs which everybody whistles

TheEdison Phonograph does everything and does it well. Is there any reason why you should not have one?



Baby's Food
11) Dear Dame Durden, -1 wiul be pleasod
to tell "Muebeec" how 1 prepared the tood

and one small quarter trassoon of soda.
L.1. the water gel quit. cold before mix.
ME "th milk and cream.
Many told me that I would ruin baby's,
tomach thy gi hing him soda, but ho is
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to be a cheery living-room in which your
friends assemble for informal good times have the curtains to the sash only. Th madras, with a touch of green; hean cream net, braided or trimmed with linen
bands put. on in a pattern and buttonholed on; heavy scrim, with insertion
about the edge or with a stencilled borabout the edge or with a stencilled bor
der or border cut out of cretonne der or bortor cut ant of cretonne of tacked on; or they may be of casement
cloth; or even of art cretonne or chintz? cloth, or even of art cretonne or chintz
if the wall-paper and rugs are plainly
Rajah silk is sometimes used it 1 if the wall-paper and rugs are plainly
quiet. Rajah silk is sometimes used, if
one wants an especially rich effect. Lace curtains are not much in favor at present
unless they are very handsome, and very unless they are very handsome, and very
handsome lace curtains mean dipping deep into one's pocketbook nowadays. Cream or coffeocolored curtains may be
used in any room. When colored ones are used, they should be of the same
tone as the leading tone of the wallpaper. Oecasionally, however, a touch
of bright coloring in oretonne, chintz or atencilling may be introduced to liver
things up a bit, the only restriction be ing that the contrast must be pleasing
In a room of dull green tone, for in In a room of dull green tone, for in
stance, old rose, old gold, or old blue, stance, old rose, old gold, or old blue,
may appear in the curtains very nicely.
but one must be careful' to have similar touches elsewhere in the room to glve an
appearance of plan and symmetry, appearance of plan and symmetry,- $\begin{aligned} & \text { say } \\ & \text { in the cushions and in the border of the }\end{aligned}$
wall-paper.
Curtains are never drapled nowadays
the best houses. They are allowed th
hang straight, in

Economical Use of Meat


With the Flowers

## -

## Ten Thousand Telephone Componies in Canada

 FIVE MILLION SUBSERIBERSwith telephone apparatus furnished by "Independent" Manufac- turers having no connection with the "Bell" interesta

The first Telephones produced by the "Rell" interests (which owns and controls the Western ElectricCompany in the United States, and the NORTHERN EI,FICTRIC \&
 factured IN 1876.

The first tolephones produced by"indenendent" concerins wara manufactured ill 18\%t, eighteen years ter.

Notwithstanding this start of eightean years, during which time the "Bell" had every opportunity to pertect apparatus which would defy competition, The "Independent" Manufacturers have mroduced in inmula and the

## ONE MILLION MORE TELEPHONES

than the manufacturers in the The "Independent" Manupfcturers were the origimators of the standard type of Farm Telephone which i furnishing universal service to the Rural Companies to-day

We claim thut every improvement in rural teleplomexploaratus is the direct production of the brains, energy and money of the "Independent" telephone manufacturers.

It is good $b \mathbf{b} s i n e s s$ to purchase equipment from It indurers whose individual success depends solely upon the reputation of apparatus produced in healthy competition with each other.

The "Independent" manufacturers devote thei whole energies to furuishing in competition with earh other, the highest grade of telephones and equipment to uperat ing Companies-Companies which are frem to go into the open market and purellase from whom they pleare.

The primary purpose for which the "Bell" Manufacturing Companies were originally organized was that of making tele phones for the ('ompany which created, owns and controls them.

When you purchase from an "Independent" Manufacturer purchase from a concern whose primary morpos Ind aldaror and which dopends for its existence upon its efforis to please YOUU by

Patronize the originators of the modern type of Farm Telephones. Patronizw the "Independents

The Canadian Independent Telpphone Association does not recommend the patronage of any particular manufacturer, but it will be glad to furnish the names of reliable firms not in the control of any monoply. Firms which produce equipment of the highest grade, together with any other informa ton relating to the organization, construction or operation of a local, municipal or rural telephone system. Before you organize or purchase, safeguard your future interests by seeking advice from. the Canadian Indenendent Telephone Association.

The Secretary - Treasureer, Francis Dagger, 21 Richmond street west, toronto, ont.


THE FARMER'S ADVOCATE
The Beaver Circle.


To-day we give you a few more of the
composition on gardening, which, though
not prizewinners, are considered good
enough for publication.
 suggest that each Beaver interested in
the subject subcribe twenty-five cents or or
less, each year less, each year, as he or she thinks fit.
It would cover the cost of tho extra
space taken up, and also space taken up, and also of obtaining
diagrams, colored plates, etc.
So, after this, observe the life around you, and write to the Circle, telling your
observations, instead o a dozen or more
lines saying that you have lines saying that you have a pet dog or
cat that you think very much of, etc.
Now, Puck, I will close, ashing your opinion of the proposition, ashing your I think your idea of a natural-history
club spllendid, -only that. you see, the
other dennrtment other departments will not allow use, tw
华ges. Howevor, we can do our hest
aftord room for nature lot

 and ane now, what aliout this suggestion?-In-
stead of sending us the 25 cents, could
not each locality of not each locality of boys and girls form
a local club of its own, collect the
money, and buy nature books with it. jects, from $\$ 1.50$ (some fairly rood one
at even less)




Our Junior Beavers.


















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WHITE WYANDOTTE EGGS winter layers. Large white birds. G. Amos \& Sons. Moffat, ont. SPRING BANK FARM $\underset{\substack{\text { Oferin } \\ \text { Brown Leghorn }}}{\mathrm{S}}$

When Writing Mention The Advocat

The Metallic Roofing Co. manupacturers. ${ }^{\text {Lamited }}$

## METALLIC culums

are everything that plaster not.
Metallic Ceilings are fire-
Metallic Ceilings Metalic Ceilings don
crack or crumble - don get damp or mouldy - don Metallic Ceilings are homical building materia you can put in a house. ou don't believe it? W can prove
he facts.

Ronto AND winnipe

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| bag: bags inciuded Caledonia, Ontario. |
|  Finlay \& Anderson, Tory Hill, ont. |
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 for Sale Always on hand, stalions, colis, "Maren
and iflies. The champion sallion, "Baron
Howes" ( 13847 ), was purchased from this Howe the y:
jobn R beatife nin. Scotlan MUSKRATS.
On account of the increasing scarcit. fur-bearing animals, considerable in
ierest is being manifested in the musk Both the fur and the meat ar
ataple articles in some of the markets o
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## 822

THE FARMER'S ADVOCATE


## GOSSIP


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THE SPICE OF LIFE cows were accepted by the American Hol- the Tennessee mountains, once broke one
 April 19th, 1910. This herd of 157 an1- colorec boy came riding by on a mule
mals, of which over one-half were heifers The justice hailed him, "Here, my boy,"
vith first or second calves, produced in the suid "calt with first or second calves, produced in he said, "Can you help me fix my
buggy?" "Sure, boss," answered the
 cent. tat. The average lroduction for sericeable. "Well, well," said the
each animal was 392.9 lbs . milk, con- learned judge, "now why couldn't 1 have
 per day, and over $16 \frac{1}{3}$ lbs. of the best mere than others."
commercial butter per week.
Preparations or the
the Reyal Agricultural Society are in
full swing, and already more applications Gette, "I wonder-I wonder whether you
would let me have the use of my lutchyear's show. The local fund for special "Latch-key!" bellowed his wife. "What
prizes and other expenses has reached the dickens do you want with a latcli £5,400. The Prince and Princess of Wales are to be the guests of the City
of Liverpool during the show. If the "Well, my love," coughed Mr. Suffererweather will only prove favorable, the foregatherings at the club this week, when
Liverpool authorities are expecting to we hope to do a little needlew en
eclipse even the Newcastle experd. York half of the poor. Miss Nancy has kindly
and Doncaster were rival claimants for consented to come and talk to us and and Doncaster were rival claimants for consented to come and talk to us about
the show of 1912 - the committea has de- her recent Farthest North trip and-" her recent Farthest North trip and-"
"Great heavens!" roared the irate wife,
banging her pipe upon the table hanging her pipe upon the table to em-
phasize her words. "Don't you know
your duty is at home? Besides, on your duty is at home
Monday I've got to attend the Women's mancipation League: Tuesday, the Sis ters of Charity meeting; Wednesday, the
cocal polieewomen's concert: Thursday the Daughters of Toil lecture; Friday, the
Women's Science Research class, and on
$\qquad$

SCIENTISTS tell us man originally lived in the water. Be tha S as it may, health still demands a plentiful supply of moisture in the air we breathe as well as in the food we eat. The commonest cause of colds, sore throats, pneumonia and similar troubles in winter is the ov
heated houses.
heated houses.
Of course the average Furnace gives off lieat-that's what it is for-but
it's a dry, parching, snuffing heat that cracks your skin and affects your lung
it's a dry, parching, snufring heat that cracks your skin and atlects your
It is moisture that is wanting in the air-real natural humidity of the
outside atmosphere and the ordinary Furnace is not built to provide this
The Solution is the "Circle Water Pan" "Good Cheer" Furnace
A good big water pan-not a mere makeshift-
placed where the water can be best evaporated placed where the water can be best evaporated
evenly distributed, breathing refreshment and "Good Cheer" air over the whole house.
The "Good Cheer" Furnace gives a natural. humid heat-an atmosphere which is perfectly com
fortable at $68^{\circ}$, and as healthy as it is comfortable. Write for full information and the name of the

THE JAMES
OODSTOCK STEWART MFG. CO., LIMITED, WINNIPEG, Man.

| and I would not have it broken for any thing. <br> I will now close, hoping to be success <br> ful in my first attempt at wimning a <br> prize. ILA SMITH. <br> Rutherford Ont |  |
| :---: | :---: |
| A Very Good Little Letter | $\begin{aligned} & \text { Di. Inacian Melachran, } V \text {. of orms } \\ & \text { town, Que., who mahes a specialty of } \\ & \text { importing (lydesdales, annomuces that a } \end{aligned}$ |
| Dear Puch,-My garden was not a wary | or |
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| in it. First I Manted swewt |  |
| deep. In this I placedt the veas onn | liret of twome |
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| they grew, I hoed in the "orth alowat |  |
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| one at ench end of cow, then nalued a | - xth -1. . Jents a Som, Bond |
| mon stretching cord tarhward |  |
| furward aromnd the prasts. |  |
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THE FARMER'S ADVOCATE.

##  <br> THE SPIRAL BEATER ON THE <br> Massey- Harrris manure Spreader

INS URES EVEN SPREADING.
Teeth are arranged spirally, thus working the manure evenly
over the entire width.
SELF-ALIGNING BEARINGS.
Safety board keeps the manure away from the beater until it is in motion-prevents uneven spreading of first of the load. Follow board
is concave, so as to bring last of load to the beater. The result is

UNIFORM SPREADING FROM START TO FINISH.
This means increased crops, for All the manure is available as plant food, and spreadi
MASSEY-HARRIS CO., LTD., $\begin{gathered}\text { Toronto Montreal. Moncton Winipes. } \\ \text { Kegina, Sasketo }\end{gathered}$


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tiful Booklet AB on house
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## 

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Imported Clydesdales

QUESTIONS AND ANSWERS
Miscellaneous.

RECKONING TIME
$\qquad$
$\qquad$

| April |
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STAVE SILO.
 building a stave silo,

1. Have, a good place for foundation.
How dep, would you go, and how would you limild foundation, silo to be all aho
kround? Size of silo intended to
twelver fent in diameter thy thirty teet
2. Would your consider this too lat 2. Woutd your consider this too lar
a diameter for nh herd of twn to twel
cows, four yrarlines, and fromen foren



SAvEThe Horse" SpannCure


## "130.





MESSRS. HICKMAN \& SCRUBY


 NO TICE TO HORSE IMPORTERS
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Agent and In

 Peachbiow Ciljdesdales





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be fitted for orchard, ree booklet. SPRAMOTOR. LTD., 1359 KING ST., LONDON, ONT.

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Willowdale Stock Farm, Lennoxville, Que., has for
sale young stock of both sexes, from his noted herd sale young stock of both sexes, from his noted herd of
1,6oo-pound cows, descendants of Joy of Morning, Broad

CHOICH SCOTTCH BETHES s. smith re P For SALE. HE

Meadow Lawn Shorthoms

Questions and answers. Miscellaneous.

ECZEM biting hersell all owror; even her legs, the feet. I thought she was lousy an clipped her. but found no lice; she pound and bites all night. She is in frair con and proscribe treatmont. Ans.-The trouble is ecrema. (ive the strong warm soapsuds, applied with
 a quart of water. Give internally
ounce Fowler's. Solution of Arsenic,
out and mornine. owery nlternate weck CEMENT WATER TROUGH
 side. What thichness sllumuld sides

1. 2. How much crinmt and grawl woun 3. Wonld theren lie dangere of ico lireal c. How of trumgh.


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4 of compunt wauld not tive trouk The electric brice, from CIDER PRESSES ith

 Maple Grange Snorthorns


GLEN G O W Shorthorns

$\qquad$ Wm. Smith cohumbus. Ont SHORTHORNS Berkshires, Cotswolds

$\qquad$ and P. O. CAMFBFLlFORD, NT Clydesdales, Shorthorns and Cotswolds


Shorthorns, Clydestales and Oxford
 JOHN GARDHOUSE \& SUNS
 Sta., G.T.R.\& C.P.R. Long distance phone in house CLOVER DELL SHOR THORNS


Shorthorns and Oxford Down Sheep ram lambs Nome beter tw phy
THE FAARMER'S ADVOCATE.
827
QUESTIONS AND ANSWERS Miscellaneous
FAT - PRODUCING VALUE OF If peas are worth 72 cents per bushel.
what price should barley be per bushel.
ccording to feedine. according to fecding 'Imality for fatteniny
hogs? Ans- It devends a good deat on what
the grain is to be fed with. Theoretical


275 BURLINGTON SHORTHORNS 275 3 Cholce Imported Scotch Shorthorn Bulls-yearlings. 10 mported 2-year-old Bull, red-an extra sire. 10 Bulls, 9 to 16 months old-all by imported sire.

Calves at fows and Heifers-mostly bred or have distance telephone. Farm 4 mile from $\frac{\text { Burlington Jct. Sta., G. T. R. J. F. Mitchell, Burlington, Ont. }}{\text { SCOTCH SHORTORNS }}$ SCOTCH SHORTHORNS - E.ght extra good young bulls, from 10 to 15 month old , 200
Farms close to Burlington Jct, G. T. R. W. G. PETTIT \& sons, Freeman. ont I can supply Sborthorna of al THORNS $\mid$ Imp. Scotch Shorthorns ing fer Shorti
 Maple Leaf Shires, Shorthorns, Hampshire Hogs


Scotch Shorthorns $/$ A. Edward Meyer


John Miller, Brousham P. O., Ontarlo.


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Cholce Shorthorn Bulls for Sale. Shorthorns and Lelcesters. For sale
 SHORTHORNS AND BERTSITIRES VALLEY HOME SHORTHORNS AND BERRKSHIRES If sou want a frst class Shorthorn bull or herier come and see what we have, or if you
want a show animal with a cooice pedigree whave them. Fordecription of herd soo
Find



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Space in the Association cars will be reserved for all stock coming from the East to B. C., providing the tion for definite space before April 3oth, to R. W. HODSON.

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men's Associations pay half the transpormen s Associatio
tation expenses.
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Wanhin
Canada
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Jerseys and Chaster Whites
 and away in win cuas. E. rooers, Dorcheseter, ont BRAMPTON Jerseys We are offering for sale one 2 -year-old bull and fout
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THE FARMER'S ADVOCATE
FOUNDED 1866

## Let Him Alone

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Fairmount Holsteins
 Ridgedale Holsteins ${ }_{\text {bul }}^{-1}$
se priced nght fror quick sale: their day
producers. and their sire was bred right
a. W. WALKER. Utica. .nt . Pht R. W. WALKER. Utica. Ont. Phone connection Wood met on the street recently, and
hey stoped for a monent to. "chantive
a iew cheerful views, when a woman in

QUESTIONS AMD AMSWERS Miscellaneous
engineering in the west Has there been a law passed lately pro-
hibiting a person running an engine in the west without an engineer's certif
ther cate? Could I study at home so as to
be able to write on an engineer's exam: be able to write on an engineer's exam.
if so, where could I get the hooks Where would I have to go to write on
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pilicants who have not had this exper






GROUND-HOGS


The Maples Holstein Herd|High-class Holsteins $\begin{aligned} & \text { Koad ot herd, Pietje } \\ & \text { Horndye Lad. } \\ & \text { Two }\end{aligned}$
 WALBURN RIVERS, FOLDEN'S. ONTARIO WM. C. STEVENS. PHILLIPSVILLE. ONT



Stonehouse Ayrshires all ages. Am now book-
ing orders for bull calves. Hector Gordon, Howick, Quebec


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## Gossip. Terrible Fromerer Fer Nime Monthe. <br> For Baccrache, Lame or Wat Backone of the commonest and most distressing remedy equal to Doan's Kidney Pills for taking out the stitches, twitches and twinges, limbering up the atiff back, and giving perfect comfort <br> A medicine that strengthens the kidaye so that they are enabled to extrach the poisonous uric acid from the blood and prevent the chief cause of Rheume Mr. Dourald A. Mcisasac, Broad Cove with my kidneys for nine monthe ad uffered with such terrible pains acrose the small of my back all the time that I ould hardly get around. After taking of feel better, and by the time I had taken Pree I was completely cured. Price 50 oents per box, or 3 for $\$ 1.25$, all dealers or mailed direot. on price by The T. Milburn Co., Limited, Toronto, Ont. <br>  <br> ELECTRO BALM CURES ECZEMA, <br> Also Piles, Burns, Scalds, ChapHemen use thater shaving. This Ralm is handled by the best firms. . .nd Is highly recommended by those who ave used it <br> Write for Pree Sample of price, from the electric bean chemical co., <br> LaY FOR WEEKS AT DEATH'S DOOR

But Dodd's Kidney Pills Cured Mrs. Thompson's Dropsy
worse 114 Backache and grew worse IIII the doctor said she must die.

## Tell Us Which of These Cultivators You Need

The variety of Cockshutt Cultivators is wide enough to meet every farming condition in Eastern Canada. We show three designs in this advertisement, which will meet the requirements of most farmers,
but if you would like to know our whole line, we
will be very pleased to send you our big illus-
trated Catalogue-Free. Write for it to-day.


## Diamond Point Cultivator

For an all-round general service cultivator you will find our Diamond Point an excellent tool. No need to inquire about the quaiity of the materials and workmanship-these essentials are always well taken care of in the Cockshutt factory. The Diamond Point can be had with one or two levers as desired. You will notice that we have made the frame fairly lengthy so that trash will not clog at the rear. The two wheels make them steady running and the long handles give the operator easier control. All the adjustments are made as simple and perfect as possible-there are no complicated parts to get out of order. We can furnish all sizes of teeth for this cultivator.

## Western Cultivator (Spring Tooth)

The centre illustration shows our Western Spring Tooth Cultivator, which is especially useful in the corn field. Can be readily adjusted for field work by connecting a centre attachment which we supply with each cultivator at small cost. Really four machines in one-a corn cultivator, bean cultivator, field cultivator and bean harvester. Pressure can be applied to each gang to make it stir and turn the soil no matter how hard or dry. Reversible blades with wide and narrow points go with each machine. We can also supply wide weeder blades if desired. Here is an implemen't that will stand up to its work anywhere in Canada. Give it a chance to prove its value on your own farm.

## Western Cultivator (Parallel Gang)

Where the land is inclined to break up in lumps we recommend the shovei teeth style of our Western Cultivator. Pressure can be applied to each gang to make it take a firm hold of the hardest ground. Where four teeth are wanted in cach section, another arn: can be had. We can also supply break pins, or springs trips and centre attachment for field cultivator. We also imithe ordinary shovel gang for those who prefer it, which gives hoice of three styles of gangs the same carriage for each.

> Bo Sure You Buy All Your Farm Implements
> Erem The Conkmak Catalogue - It Paya


You may have my expert advice without charge. I can save you considerable money.
These pictures show you plainly how simple a matter it is to change a decrepit frame house into one of cement-stone.

YOU pay nothing for what I tell you.

And the reason I offer you my serviees for nothing is simply that the companies that employ me want the farming community awakened to the value that cement - of the right kind - has for every farmer. Even if they never sell you any cement, they want you and your neighbors to be informed on the uses of cement - and the ease and simplicity with which you can cheaply use it.
No High-Priced Labor Necessary I can soon show you that it does not require an expensive mechanic to use cementconcrete instead of lumber for ANY purpose. I make the whole subjeet so plain and simple that you yourself could easily renovate your frame house, barn, hen house, wagon shed. I will tell you how to make a hundred farm-utilities from cement quickly and cheaply more cheaply than you could with lumber. And bear in mind the fact that you Using ". You will not be bothered to buy any thing, either. There are no "string" "to this talk

Cement Endures Lumber Decays That alone is the higest reaton why von hould nill tell omp prectacty how to do. Semon'


For the asking, you are welcome to use my knowledge. You can inform yourself fully on the whole big question of the use of cement for practically every use you are probably putting lumber to now. I will instruct you fully, in plain language, in the use of cement for making anything from a fence-post to a dairybarn. And I can show you how to save money by using cement for any building purpose instead of using wood. Simply tell me your name and address and mention what sort of a structure you think of building or repairing-whether a residence, a poultry house, or even a drinking-trough. You have nothing at all to pay for the advice and instruction I will promptly send you. Write to me before you buy another bill of lumber for any purpose. Be sure to.

## Altred Rogers THE CEMENT MAN

Why not write me to-day? Accept my free services, make use of my knowledge to any extent; and you will not be under the least obligation or expense if you do. We want you to KNOW cement ; and I will do all I can to help you KNOW it.

MAN

Read This List of a Mere Few of the Uses Cement has on the Farm

Verandas
Box Stalle
Driveways
Fence Posts
Well Curbs
Feed Yards
Cellar Wall
Cellar Walls
Horse Blocks
Chimney Caps
Chicken Houses
Watering Troughs
Curbs and Gutters
Windmill Foundationg
Storage Water Tanks


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