

## 1802

INTERNATIONAL

## Live Stock Show

December lst to 8th, 1917 Union Stock Yards, Chicago Afrod fotheden Cump thic oatir sales or purrbred luve stock wation poutr suis
 Makmberbincus silm

 arakrporp site
 A
 Bilimet evenang thom, and
$A$ trip to chichgo Lowast rates on all rallroads. LIFT YOUR CORNS OFF WITH FINGERS Tolle How to Loosen a Tender Corn or Callut so it Lifte Out ithout Pain. A noted Cincinnati chemist discovered
neemether compound and called it
noesone, and it now can be had in tiny Froesone, and it mow can be had in tiny
 drops of Freezone upon a tender corn or painful callus, and instantly the soreness disappears, then shortly you will
find the corn or callus so loose that you can just lift it off with the fingers.
No pain, not a bit of sore-
ness, either when applying Freezone or afterwards, and it Hard corns, soft corns, or carn between the toes, also toughened callases, just shrivel up and lift off so Tt Earks like a charm ! Your drugeis thas Freezone. Ask him

## A Better Separator For Lass Money

VIKING
Cream Separators of Quality

| aswelle <br> Ho of WASHERS, CHURNS, BUTTER ORAERS, FOOD CUTTERS, GAS EN ghins, atc. Write for Catalogue. Maxwhils Limitid, St. Mary's, Ont. |
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|  |  |

## STAMMERING

Cr Sturtering overcome positively. Our natural methods permanently restore
natural speech, Graduate pupils every-
Bhere where. Free advice and ilterature. THE ARNOTT INSTITUTE

## WANTED

Al fien Red Clover, White Blossom sweet clover, O. B. your tation. we will quote you beat pric

TODD \& COOX
Cockshutt Catalogue will give you valuable farming hints,
and shows the full line of Cockshutt
and Frost \& Wood Implements. Write and Frost \& Wood Implements. Write
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THE FARMER'S ADVOCATE.


This Engine Will Cost You Nothing





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## NORTHERN ONTARIO

Millions of acres of virgin soil, obtainable at 50 c . an acre in some
districts-in others, free-are calling for cultivation. Thousands of farmers have responded to the call of this fertile country Ontario a home awaits you.
H. A. Mes

Hon. G. H. Ferguson, Minister of Lands, Forests and Mines.


## GILSON



RENNIE'S SEEDS
we buy
ALSIKE, RED CLOVER
Alfalpa and TIMOTHY, PEAS, beans, spring rye, buckwheat, etc. WM. RENNIE CO., Limited Cor. Adelaide and Jarvis Streets GLAZED SASH 65 c
 4 light 8x10. 0.0 AT BUY NOW PRICES
No. 1 clear white pine eas
 low pricefor immediateship
ment. safely packed, over
sixty other sizes and stylet
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 LONDON CONGRETE MACHINERY CO., World's Largest Mfrs. of Concrete Machinery

Post Holes Cost Money
 Standard Steel Tube \& Fence Co. Limited

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IF YOU WANT TO SECURE SUPPLIES OF Sydney Basic Slag
for consumption in Spring，1918，you will require to arrange for supplies right away．

7 HE railway authorities advise us that we need not expect to get any goods transported in January，February and Cal will tax their facilities to the uttermost，and conditions are hmost certain to be worse than last winter．Farmers sto and ake delivery supplics from our local agents right away and ented in your district，why not purchase a car of 20 tons and distribute same among your neighbors？Basic Slag retails for －per ton ex－car for cash，and there is reasonable remuncration

The Cross Fertilizer Co．，Limited Sydney，Nova Scotia

Look for the Dealer Who displays this Sign


On Skids With
BUILT－IN MAGNETO 3 h．－p．\＄126． $\begin{aligned} \text { F．o．B．Montroal } \\ \text { or Toronto }\end{aligned}$ h．－p．$\$ 225$. Scarcity and increased cost of material make this． in price effective after October let， 1 impera tive．
 All Sizes Can Be Shipped Immediately from Stock



SEE THE＂Z＂AND YOU＇LL BUY IT． Go to the deale who displays the sign shown above．See the
feat ures that make it the one best engine buy for you．When you deuy han engine from your dealer you deal with the locall representatitue
 THE CANADIAN FAIRBANKS－MORSE CO．，LIMITED St．John，
Saskatoon，
Montroal，
Calgary，Toronto，
Vanoouver．


Better－Cheaper Get a Page 7o－day回（V）㢄 圆 You May Be Short
 of Help To－morrow

Labor is the most expensive form of power on the farm－and the
hardest thing these days to get． hardest thing these
Cet a Page Engine． A Page Entine costs less than hired help，and can do many times the amount of work
It will do most everything but the offthe－farm hauling．It will run the churn and separa－
 Buit to stand roush usage，the Page Engine doesn＇t easily get out of order．Any one
（an run it but the smartest man or boy finds most uses forit．



The Page Wire Fence Company
walkerville，ontario


## What if Canada Loses this Market

SUPPOSE the farmers of Canada suddenly found that the market for $\$ 320,000,000$ worth of agricultural and animal products was suddenly cut off-what would happen?

Yet Great Britain bought just that amount of Canada's total exports of $\$ 417,000,000$ worth of grain and animals.

And now Britain must have credit to buy these products or buy them where she can obtain credit.

Canada's Victory Loan will finance the credit.
It means everything to you to keep this market which takes 77 per cent. of all exported products.

It means everything to everybody fighting for freedom.
It is the very substance of Victory to our armies in the field.

## Make the Victory Loan a Success by Buying all the Bonds you can and Urge your Neighbors to do the Same

## \section*{The Minister of Finance offers for Public Subscription} <br> Canada's Victory Loan <br> issue of

## $\$ 150,000,000$. $51 / 2 \%$ Gold Bonds

Bearing interest from December 1st, 1917, and offered in three maturit es, the choice of which is optional with the subscriber, as follows
5 year Bonds due December 1st, 1922
10 year Bonds due December 1st, 1927
20 year Bonds due December 1st, 1937
This Loan is authoriz
Consolidated Revenue Fund.
issues. The amount of this issue is $\$ 150,000,000$, exclusive of the amount (if any) paid for by the surrender of bonds of previous of $\$ 150,000,000$.

The Proceeds of this Loan will be used for War purposes only, and will be spent wholly in Canada.
Principal and Interest payable in Gold
Denominations; $\$ 50, \$ 100, \$ 500$ and $\$ 1,000$
Subscriptions must be in sums of $\$ 50$ or multiples thereot
Principal payable without charge at the Office of the Minister of Finance and Receiver General at Ottawa, or at the Principal payable without charge at the Office of the Minister of Finance and Receiver General at Ottawa, or at the
Office of the Assistant Receiver General at Halifax, St. John, Charlottetown, Montreal, Toronto, Winnipeg, Regina, Calgary and Victoria. ${ }_{\text {Interest payable, without charge, half-yearly, June 1st and December 1st, at any branch in Canada of any Chartered Bank. }}$

## Bearer or Registered Bonds

Bonds may be registered as to principal or as to principal and interest.
Scrip certificates, non-negotiable, or payable to bearer, in accordance with the choice of the applicant for registered or Scrip certificates, non-negotiable, or payable to bearer, in accordance with the choice of the appicant for registered or
bearer bonds, will be issued after allotment in exchange for provisional receipts. When these scrip certificates have been paid
in full, and payment endorsed thereon by the bank receiving the money, they may be exchanged for bonds, when prepared, with in full, and payment endorsed thereon by the bank receiving the money, they may be exchanged for bonds, when prepared, with coupons attached, payable to beare,
in accordance with the application.

Bearer bonds with coupons will be issued in denominations of $\$ 50 ., \$ 100$., $\$ 500$., and $\$ 1,000$. and may be registered as to principal only. Fully registered bonds, the interest on which is paid direct to the owner by Government cheque, will be issued in denominations of $\$ 1,000, \$ 5,000$ or any authorized multiple of $\$ 5,000$.
Subject to the payment of 25 cents for each new bond issued, holders of fully registered bonds without coupons, will have the right to convert into bonds of the denomination of $\$ 1,000$ with coupons, and holders of bonds with coupons will have the right
to convert into fully registered bonds of authorized denominations without coupons, at any time, on application to the Minister to convert i

## Surrender of Bonds

Holders of Dominion of Canada Debenture Stock, due October 1st, 1919, and of bonds of the three preceding Dominion
a War Loan Issues, have the privilege of surrendering their bonds in part payment for subscriptions to bonds of this issue, of Canada War Loan Issues,
under the following co
Debenture Stock, due October 1st, 1919, at Par and Accrued Interest.
War Loan Bonds, due December 1st, 1925, at $971 / 2$ and Accrued Interest.
The above will be accepted in part payment for bonds of any of the three maturities of this Issue.) War Loan Bonds, due October 1st, 1931, at $971 / 2$ and Accrued Interest.
These will be accepted in part payment for bonds of the 1937 maturity ONLY of this Issue.)
Bonds of the various maturities of this issue will, in the event of future issues of like maturity, or longer, made by the Bonds of the various maturities of this issue will, in the event ocruuture issues of the equaturity, or canger, mar the purpose of subscription to such issues.

## Issue Price Par

Free from taxes-including any income tax-imposed in pursuance of legislation enacted by the Parliament
Paym of Canada.

Payment to be made as fo
$\begin{array}{lll}10 \% \text { on December } 1 \text { st, } 1917 & \text { 20\% on March } 1 \text { st, } 1918 \\ 10 \% \text { on January } 2 \text { nd, } 1918 & 20 \% \text { on April } 1 \text { st, } 1918 \\ 20 \% \text { on February } 1 \text { st, } 1918 & 20 \% \text { on May } 1918 \text {, } 1918\end{array}$
The Bonds therefore give a net interest yield to the investor of about:
$5.61 \%$ on the 20 year Bonds
$5.68 \%$ on the 10 year Bonds
$5.81 \%$ on the 5 year Bonds

All payments are to be made to a Chartered Bank for the credit of the Minister of Finance. Failure to pay any instalment when due will render previous payments liable to forfeiture, and the allot ment to cancellation. Subscriptions accompanied Canada of any Chartered Bank will forward subscriptions and issue provisional receipts. In case of partial allotments the surplus deposit will be applied toward paym
instalment. Subscriptions may be paid in full on January 2nd, 1918, or on any instalment due date thereafter under
rate of $51 / 2 \%$ per annum. Under this provision payments of the balance of subscriptions may be made as follows

|  | 1918 , at the rate of 89.10795 per $\$ 100$. |
| :---: | :---: |
| Feb | 1918, at the rate of 59.72274 per $\$ 100$. |
| April | 1918 |

Forms of application may be obtained from any branch in Canada of any Chartered Bank, or from any Victory Loan
Forms of application ${ }^{\text {m }}$,
The books of the Loan will be kept at the Department of Finance, Ottawa.
Application will be made in due course for the listing of the

$$
\text { Subscription Lists will close on or before December 1st, } 1917 .
$$



## EDITORIAL。

 ing.The top-notch product always commands a premiun o matter where or when it is marketed.

Have you decided whether your candidate is a the-war or a win-the-election politician?
Every breeder and feeder of live stock should familiarize himself with market classes and grades.

The political atmosphere is generally quite hazy, but it is a thick fog to the rank and file just now

Bacon worth 18 cents per pound in normal times ecently sold for 60 cents per pound in Britain.

If you keep an extra sow plan to feed her and the tells how. America must send wheat or its equivalent to the
Allies in Europe to the extent of $300,000,000$ bushels from this year's crop.

There are three things every reader should do before this month is over, buy a war bond; buy another war bond; buy still another war bond.

A good sow will add anywhere from 1,500 to 2,000 pounds of pork to the food of the Allies next year. Are you planning to add your ton to the lot?
(ioot hay is plentiful in Eastern Canada this year, but a short supply in the United States and short corn
here are making it more valuable than most people here are making it more valuable than most people
anticipated.

Some who favored conscription are now against it, and others who were against it are now for it. Strange
things happen and time makes many changes. We hings happen and time makes many changes. We for the "flopper.

An army which has brought forth the praise from military experts of other countries which has been
howered upon the Canadians in France and Flanders, showered upon the Canadians in France and Flanders, ourceful people can give

This is no time for the consuming public to discriminate in favor of light lambs. The lamb weigh ing 120 pounds or more may be, if properly fed, just as market because of demand for light lamb.
A pig is a fine pet for the back yard, provided the
batck yard is big enough and neighbors are either distant back yard is big enough and neighbors are either distant have no sense of smell. But then, what matter if property so long as the fighting Allies are fed?

We retently saw a carload of feeder cattle which the owner had put in to feed this winter at 11 cents per
pound. They were choice, and the best generally pays as well as any. To those who think the farmer takes no chances let us suggest that they figure up a carload of cleven-hundred-pound steers at 11 cents per pound,
cotimate the cost of feed and guess at the price in the

Bonds a Good Buy For Farmers. Canada's Victory Loan is receiving an enthusiastic patriotic citizens generally. understand investments and and all those connected w the the country's business are particularly anxious that the small investors get the benefit of a part of this loan. There is still time and while millions have been subscribed, millions more may be faken up. All those interested in agriculture, and the farmer's welfare, would like to see the men on the land take up their part of the loan. In previous articles we have shown the merits of the investment as a safe, convenient and sure place for savings or surplus cash. It might be well to go a little farther in an endeavor to make the issue clearer to readers who have not had the opportunity to invest in bonds before, and are not lamiliar with the procedure.

The denominations of the bonds, according to the prospectus, are $\$ 50, \$ 100, \$ 500$ and $\$ 1,000$, and three different types are available, namely, five-year bonds, due December 1, 1922; ten-year bonds due December 1, 1927; and twenty-year bonds, due December 1, 1937. dhat is required is a ten per cent. deposit on Deember 1 next, followed by ten per cent. on January 2, to May 1, inclusive. A full half year's interest will be paid on the 1st. of June 1918, even when bought on the foregoing plan. If the investor so desires, he may after paying ten per cent. on December 1, pay the remainder in cash on January 2, when he will be allowed $5 \frac{1}{2}$ per cent. per annum discount. The bonds onsist of coupon-bearer bonds, coupon registered bonds, and fully registered bonds with interest payable by check, the latter being obtainable only in thousanddollar or higher denominations. The investor, if he thinks he might need the money in five years, or in ten years, has the opportunity of taking the short-term bond. If he believes that interest rates will ultimately come down and he desires a longer term investment e has the opportunity of taking a twenty-year bond. There is nothing complicated in the matter of making the investment. If you have been canvassed the prospectus will show you that if you fill in the check form which it carries for 10 per cent. of the amount you wish to take, and leave it with the canvasser to send to Ottawa and be returned to your bank that is all you need do. The bank will notify you re payments. Or, if you choose, you can make all the arrangements through the bank. Fill in your application form, stating the amount, form of bond you wish, and attach thereto your check for the first instalment of ten per cent, and have the bank send it to Ottawa. If you wish to pay cash on January 2, your bank will figure out the discount you will be allowed and will deliver your interim certificates and bond. If you are not clear on any point, ask your banker about it; he will only be too glad to help you. Or, if you are canvassed the men on the committee will be able to give you the necessary information.

Farmers having money which they do not require in their business can do no better than lend it to their country. There is no doubt about the security; all Canada is behind it. The rate of interest is higher than would be obtainable on small amounts loaned elsewhere with as good security. The five-year bonds draw a net interest of 5.81 per cent; the ten-year bonds 5.68 per cent., and the twenty-year bonds 5.61 per cent..; besides, the bonds have a marketable value at any time and may be sold on very short notice if the money should be required by the purchaser. Canada should respond with as large a number of names of investors to this loan as possible. Every true Canadian understands his duty at this time and the investment yields such a rate of interest and is so sound that none will hesitate to buy the bonds.

Some may not feel that they have sufficient ready
funds to warrant their purchasing, but the easy-pay ment plan and the fact that the banks will loan the purchaser ninety per cent. of the value of the bonds bought, at the rate of five and a half per cent. until paid for, brings them within the reach of all.

A particular case has come to our attention and we pass it on. A certain farmer has undertaken to produce $\$ 1,000$ worth of bonds. This man explains that he has a mortgage against his place amounting to $\$ 3,000$ which is drawing six per cent. per annum. Notwithstanding this fact, he feels that the Victory Loan carrying five and a half per cent. presents a duty and an opportunity to him and he takes his $\$ 1,000$ share. This loan is one place where the farmer may be appealed to on patriotic rounds and where he is also assured of good returns. We feel that Canadian farmers will take their share loan and that they are entitled to the share of returns which would be theirs. The Fain to not advising, nor is it asking not done itself. We have bought our Victory Bonds.

Every Spade of Earth-Every Animal Reared.
Herbert Hoover, Food Controller in the United States, recently made this statement: "The farmer who works overtime and the consumer who economizes in his consumption are fighting the submarine with a positive and sure weapon."
"Every spadeful of earth turned by the farmer and every animal reared is lessening human suffering and guaranteeing the liberty of the world."

There is food for thought in these two paragraphs. We believe that the great majority of the farmers, farmers' sons, wives and daughters in this country have during the past three years at least been working just as long hours as their general health would stand. It is next to impossible for the great majority of them to do any more overtime work than they are now doing; in fact, there are those who state that the only wages the farmer and his family gets are obtained for overtime work. If they are getting rich, as so many people believe, then it must be granted that they are doing more overtime work than ever. However, they are ready to go on during the winter and the coming summer, and longer if necessary, to do all the hours of labor possible each and every day if it will the more speedily bring the war to the desired conclusion and aid in the ultimate assurance of the continued liberty of the world.

The second quoted paragraph is worthy of full consideration. We have heard of many young farmers anxious to do their part in the war who are halting between two opinions. Many are undecided as to whether they should remain at home and work their land and produce all the food possible, or should join the colors and go to the front. Hoover, Hanna, Rhondda, Llyod-George-all the leaders who understand the situation maintain that food is of utmost importance. France has been held up as a model of what the old men, women and children could do by way of production, but France were it not for the immediate assistance of the food from this country, we are told, would be starving. It is impossible to increase or even maintain production unless a certain percentage of the men who know how to produce are left on the land. Mr. Ho sver says every spadeful of earth turned and every animil reared is lessening human suffering and guaranteeing liberty. This being true, every man, woman and child who puts forth his or her best effort on the farm with a view to producing the food necessary to maintain the Allied armies and the Allied civil population until the safety of democracy is assured is doing a real duty and real service for his country and for the world. No one can point the finger of scorn at the producer who produces

The Farmer's Advocate
and home magazine.

THE FARMERS ADVOCATE AND HOME MAGAZINB
it publishedevery Thursday
It is impartial and inderentent of






$\qquad$









 have heen. Difflculties arise also from time '1. time
regarding the composition of commercial feeding stuffs. We believe a Feed Branch is cosential th the live stack on the job, many of the farmer's feed problome may be solved. The feeder asks that he be safeguarded in the purchase of commercial feeding stuffe and desirem help in othaining supplice of concentrater of an haw at cost 1s pomithe. Every good feeder is willing the p.is fine sond feed. He needs help twobtain it.

| Nature's Diary. <br> 1. P. Kltigh, M. A. <br> Among all our Cansation manamals there is, nonc in which more general interes is taken than the Beaver. This is undoubtedly due to the fact that it is one of the emblems of the Dominion as well as to its interesting and unique habits. <br> The Beaver belongs to the order (ilires, the same order to which the Hare, Squirrel, Muskrat, Porcupine, and all the other rodents belong. Its average weight is about thirty pound and average length about forts three inches. The hind feet are webbed and the browl, scaly, horizontally flattened tail distinguishes it from all other mammals. |
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 mranches are cut into lengets depending un, whe theit 3 hameter, albout a toot if. inches thick, athom for, feet if he vicinity of the lodge, and their ends. 1 ..tuck in rom being fro enl in the ice water, so as tw kerp them simter. They are brought into the lodge founcoln for Mime as required, and after the bark has beon coten the
bine log is added to the dum. When thee lengths wer land the Beavers rull them with them in the mouth, with the end over their linck if the we light. In this way they are brought to the pon? "1 one of the canals. leading to it. In summer the Beaver eats many kinco of vegerald In summer the Beaver eats many kind of vegctab
substances as well as bark-waterlily, rhiznmes, graand berries.
Beavers mate for life. The young are lorn in Ma and number from two to five. Their eyes are open al ard to follow ta montin and at vaned, but stay with the motler for a year lom an

A Change of Mind and Heart Neces

## sary.

November 22, 1917
THE FARMER'S ADVOCATE LIVE STOCK.
it will be partly because
in the nature of things.
that made it a necessity, but
riminin' aheal by chance, by
we're juist gacin' tae continue takin' $\mathrm{As}!$, ait it mak's ut better, or kills us entirels, and memicine then Ohe British Empira it's gaein' tae be by hard scratchin', I an see that." and "I wis juist readin' a chapter in the $B$ nok, whe it hum
day," Jean went on, "an I 'amn acroce ouc wo
 Cattle
$\qquad$ frac it. It wis juist this: 'Return umtome and I will tae the hale unestion, as I see it. When were reaty but until we are I dinna see a chance for ure" (rouble" ree ye hae been , says I, when she had sume speakin' yer spute, inue, I wima say yere richt in all yer con
$\qquad$
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 1)uring the imteim between settings, the foot should important sulpect now in virw of the fact that so much
activity exists in live stock circles and fartuers are being


## THE HORSE.

Diseases of the Feet - I


Shipping Steers.
cow, and the same (hing applies to the canners and
cutters themselves. When an animal is a little too cutters themselves. When an animal is a little too good classed as butcher stock and graded as medium or common. The grade of cattle, too, spoken of as good can
ners is a grade lower than cutter cows and heifers ners is a grade lower than cutter cows and heifers
The bulk of the cutter offering consists of farrow dair cows that carry some flesh but not enough to warrant an attempt to use all as carcass bef. Common cutters
as they are between canners and cutters. The dividing it is determined by the supply of and demand for such offerings.
Stockers and Feeders.-Toronto market reports to 1,000 pounds giving evidence of good breeding, and weighing some-
ers. Feeders are usually put into the stalls at around 900 to 1,000 pounds in weight, so they will come out
in the spring after proper care and feedling as heavy steers. The difference between a rond class as heavy steers. The difference between a good feeder any attempt being made to fatten him or prepare him for the block. The feeder may be just as heavy as the
butcher steer, but the latter has evidently butcher steer, but the latter has evidently undergone a
grazing or stall-feeding period preparatory for the
market.

## Maintaining that Extra Sow and Rearing the Litter

With only a slight readjustment in the order of
established and working plans it should be possible for ninety per ant. of Eastern.canada farmers to winter an extra sow and rear the liter next summer without inficiting anv yereat hardsthin or disorranizinn the trosent inficting any great hardshtipor disorganizing the preeent iabor shortage and the high price of milleeds In In mak
 was not targe in 1917 , that oats alone are not conducive
to ravid and economical pian
 this condition it is at once apparent that some solution
of the problem stowld be prent single-handed have done their best to produce farmen be the last to suggest additional efforts if the need was not great and the sacrifice, if such it be, one that every
true Canadian is willing to make in behalf of his conntry If food can be produced with greatest disatsh in tin of crisis, by rearing swine, surely there is no one who -ill cavil at the appeal and fiddle while Rome burns
How shall we go about it to get this increase? How shall we go about it to get this increase? It
s largely a matter of feed, for othe housing problem is largely a matter of feed, for the housing problem
involved by the keeping of an extra sow is not insur mountable to even the farmer with extremely modest equipment. A small amount of rough lumber, a fey
nails, a hammer, and a little ingenuity are sufficient $t$. provide accommodation. The hog cabin might be resorted to but but this was fully discussed in "The Farmer's Advocate" of November 8, so it is unnecessary to
set down any further comment here. In regard to feed set down any further comment here. In regard to fee 1917 we, at present, labor under the peculiar condition of being short of grains and concentrates suitable for
swine. Barley yielded well but the acreage was no swine. Barley yielded well but the acreage was no
large; corn was a failure in Canada, and it has not been coming from the United States where it is reported to de plentiful; wheat for hogs is out of the question; mill and oats alone do not give the desired results. This has been the situation to date. However, relief is in sight. The Food Controller has announced that the by the middle of December, or the first of the year least. The millers are operating under orders that all by-products in the form of feeds for live stock be sold
at cost, which is of vital importance to farmers in this at cost, which is of vital importance to farmers in this
connection for middlings are universally used to mix with oats or other grains for growing pigs or breeding
stock. With this ray of daylight ahead it seems that stock. With this ray of daylight ahead it seems that the problem is partially solved and that we are justified
in going ahead with plans that will ensure the increase in going ahead with plan.
which is so badly needed.

Selection and Mating

$$
\begin{aligned}
& \text { The breeding sow should be retained, or if conditions } \\
& \text { c such that the herd must be reduced by one or two }
\end{aligned}
$$ tre such that the herd must be reduced by one or two the surplus should be disposed of to neighbors who can

handle them. This dors not mean an increace in breed ing stock, but it provides for a conservation of stock
that might otherwise go to the block. Proven sows
should be bred rather than slaughtered in a time like The swine industry in Canada must be bolstered up and greater production made a certainty by saving the
sows farrowed last spring. We should have a "Choose Your Sow" day immediately in order to rescue from the shambles thousands of young females now being fec litter, the progeny of a good mother. The young sow
should conform to the type of the breed represented, and possess at least 12 well-developed teats, revenly placed, There are two factors which influence the date whe these young sows should be bred, namely: their age at
Carrowing time, and the season of the year. The period
of gestation for swine is 112 davs or 16 weeks, and this timie is seldom exceeded with the first litter. It is not
wise to have the young sow farrow much under one year old, so the approximate time for mating can be
decided upon, having these factors in mind. Further more, April weather is usually more clement than that
in March, so with the first litter arriving during the early part of April or later they are grected with more cavor
able temperatures, and the dam will have had an op portunity to exercise and come in contact with the soil.
In the majority of cases, too, the litter will be within
It thout six weeks of finishing when barley and carly oat

Wintering the Sow

## Just as with all classes of breeding stock, extreme onditions should be avoided in the case of the brood

 sow. The thin, emaciated female cannot farrow a over-fat sow is frequently lazy and does not exercisafficiently, is troubled with constipation, the bane o Che swine industry, and often loses the entire litter
while hor own life is endangered. Even when the young

Keep an extra sow
Breed the sow about the first of DeGive free access to a mixture of salt, harcoal, bonemeal and wood ashes.
Feed plenty of roots and clover or alfalfa hay.

Provide the sow with dry, well-bedded sleeping quarters.
exercise is important for the in-pig sow; day

Make provision for soiling or pasture crops next summer to cheapan production. Get the litter out on grass in the spring, where they can exercise and come in con-

Feed the young pigs well but wisely, and Fart to finish after the early threshing in August.
are ern successfully, she is liable to be clumsy and lic
or tramp on them. Strive for the happy mediumthrifty, active, well conditioned sow, but not fat. Pro-
vide dry, well-bedded sleeping but allow for ample exercise in the barnyard or elsewhere. If necessary force the in-pig sow to move about
and be on her feet a good part of the day. A few oats strewn in the horse manure is an attractive object to place before the breeding stock, and one which will
encoura ge them to work wiflingly of feeding stuffs. is a mixture equal parts fround oats and conditions and if any skim-milk is available the ration can be made almost ideal. When running outcoors in cold weather and taking considerable exercise, a pregnant sow may be
fed some corn, but it should not exceed one-third of the grain allowance. Under other circumstances it is too heating and too fattening to be fed with safety, and it does not contain the muscle-forming material required
by the unborn pigs. In rare cases where it might be plentiful this winter, the constituents lacking in corn can be provided by adding a little bran and mixing with
the oats and middlings previously recong the oats and midanngs previously recommended. alfalfa hay; they provide succulency, and the proportion of bulkiness which is necessary and conducive to an
efficient digestive system. Constipation should be preyented, for it is responsible for the loss of many sows regulator, but oil-cake meal or a little ground flaxseed for a thrifty animal Sometimes the dry and make on the pulped roots which is a suitable method but the eeder has a wide latitude in regard to feeding practices. to mix troughs are placed outdoors it is not wise amount of water required will depend on the quantity hould have and the severity of the weather, but they We have seen sows brought through the winter in of which entailed little labor and could not lee considered

Rearing the Litter.
The maintenance of the extra sow this winter does ing of an additional litter next summer. A A slight readjustment of established plans will make provisions
for the extra sow, but we must also provide for seven to enl or a dozen pigs through the summer months that
will require to be reared, developed and finished. Ordin arily this number of hogs will make a very noticeable
impression on the feed bin, so it behooves one to animpression on the feed bin, so it behooves one to an-
ticipate the shortage and provide suitable substitutes. Our success and the extent of our profits will depend
upon forage or green feed for it can be utilized in the onstruction of frame and body organs, in the mean-
time censerving the high-priced grains with which When the young pigs are alout three weeks old the an be taught to eat, and when four weeks of age they is paced for their ceclusive use. At six weeks they are
usually weaned, bat if no skim-milk is available perhans it would be just as well to postpone the separation for
the next litter, and the pigs must be weaned in good
time so the dam may be bred to farrow at a convenient time so the dam may be bred to farrow at a convenient
date in the fall. The male pigs should be castrated
while still on the sow, preferably when around four weeks old.
Middings or ground oats with -the hulls sifted out are among the best feeds for newly-weaned pigs. The
middlings are more palatable if scalded and allowed to
stand for several hers stand for several hours or between two feeding periods; In the absence of skim-milk a little tankage may be used to advantage. As previously mentioned, ground oats, minus the hulls, are very good and many litters are When three months of age the pigs may be introduced. to other grains including corn, barley and such, but corn should be fed cautiously at first for it is not abonein the development of the pigs. Two parts of middlings and one part of cornmeal or ground barley constitute bout the proper relation of one to the other. When advantage than when it is not. Middlings with ground oats and barley is a common ration and a very suitable one, especially il supplemented with a little skim-milk eeds to select from, particularly in summer when the pigs can be gotten out on grass, which is a good contooner and trouble preventive. The aim at first rgans which later will be called upon to digest heavie feeds and convert them into flesh. Young pigs need not
be fat so long as they are growing well and are thrifty.

The Cost of Production
There is no class of live stock regarding which the ost of production has been more satisfactorily de States, Canada and Britain are pretty well agreed the quantity of grain required to produce 100 pounds gain during certain specified periods of growth The following table is an abbreviation of one given in Henry's "Feeds and Feeding." The results from othe
experiments seem to coincide closely with these figures
$\left.\begin{array}{c|c|c|c}\hline \hline \text { Wgt. of hog } & \begin{array}{c}\text { Wgt. feed } \\ \text { eaten per } \\ \text { day }\end{array} & \begin{array}{c}\text { Feed eaten } \\ \text { daily per } \\ \text { los. } \\ \text { lbs. }\end{array} \text { live wgt. }\end{array} \begin{array}{c}\text { Feed for } \\ \text { 100 Ibs. } \\ \text { gain }\end{array}\right]$

With this amount of information condensed int accurately the grain requirements for one or more litters and, incidentally, the cost. Further investigation
along the same line was conducted at the Ontario Agricultural College, Guelph, by Prof. G. E. Day, who re ports in the following table

Live weight of hogs
54 to 82 pounds
54 to 82
82 to 115
115 to 148
Meal required for 100
lbs. increase in weight ${ }_{375}^{310}$ pounds

The
The evidence we now have and which is verified on very hand leads one to expect that 4 to $41 / 4$ pounds of grain will produce one pound of gain in live weight,
throughout the growing and finishing period of the hog's lifetime. Another outstanding feature of these tables is the proof that as the hog increases in age and weight more grain is required to produce one pound of gain.
It is this peculiarity of all live stock that we should take advantage of next summer in order to bring about an increase in swine products with the least possible expenditure of grain of millfeeds, and in this direction
lies the chief solution of the problem with which we are confronted. Grain Substitutes
Up to 100 pounds live weight the pig makes very
conomical gains and requires less than ceonomical gains and requires less Durin 4 pounds of grain to produce a pound of gain. During this period
hogs will consume middlings, middlings and ground oats, ground oats and barley, and tankage (not exceeding 10
per cent. of the meal ration) in the absence of mill In the meantime we should make provision for laying on that second 100 pounds with as little cost as possible

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at 20 to 30 per cent. less cost than gains produced with
grain and dry-lot feeding. At Guelph it has been grain and dry--ot that cheaper gains can be made by soiling than by pasturing, particularly with young pigs, and Prof.
Day considers that pigs should weigh at least 100 pounds Defore being turned to pasture. Alfalfa or per se before being turned to pasture. Alfalfa or clover are
amongst the best for eetither soiling or pasturing but amongst the best for either soing or pasturing,
other coros are extensively used. The hogs should ot
be allowed or obliged to be allowed or obliged to get their entire sustenance from
the green crop, neither should they be fed a full grain
the the green crop, neither should they be fed a aull grain
ration in connection with it. It is the combination of both that gives best results.
A new seeding of alfalfa should pasture ten or twelve
shotes, or a sow and litter per acre, while an older seed shotes, or a sow and litter per acre, while an older seed-
ing will carry double that number. Red clover will ing will carry double that number. Red clover will
feed from eight to twelve shotes per acre if the clover is about ten inches high when the hogs are turned in.
One acre of rape will also handle ten to a dozen pigs One acre of rape will also handle ten to a dozen pigs.
Rape should be sown for this purpose about the first of June either in hills or broadcast. Another good pasture mixture for swine is one bushel of oats, a bushet or barley, a bushel of wheat and seven poinds red clover, per acre.
This will be ready to turn on to in about siow weeks rom Thise of seding. If the hogs are taken of for a time
dater the the oung grai plants are eaten down, the clover
after atter the young grain plants are eaten down, the cloven
will spring up and arke further pasturage for the most rapid gains but at greater cost than where only a
half or two-thirds meal ration is allowed. The results of experiments conducted to show the actual value accruing from any pasturc crop very considerably on
account of the differentages of the pigs and the tual ity
of the crops grown. However the statement of the of the crops grown. However, the statement of the
Missouri Experimenen Station that a 20 to 30 per cent. saving is made, is considered quite conservative We We
quote here the general conclusions arrived at by inquote
vestigators at the that Station.

1. "The number of hogs which may be kept on each acre of forage will depend upon the abundance of
forage, but in general not more than 10 to 12 head
fould be used
 grain was fed in addition to the forage at the rate of
2 to 3 per cent. of the weight of the hogs per day. The anmount fedo. per hed pert per day should be increased as
the hog increases in size." hogs on forage would plan in feeding 80 to 100 -pound hogs on forage would be to feed, per head per day dur-
ing May 1.75 pound of grain during June, 2 pounds
grain; during July, 3 pounds grain,
 per cent. less cost than gains
dry-lot feeding.,
On practically every farm there is ample wire or
 spring-sown pasture or rape trerhis will cut down the
grain reaurenent very materialy and hel o thing
along a bunch of shotes that otherwise would exhaust supplies. The pasture and outdoor exercise will de-
velop the frame and vital organs of the pigs so when
ver be consumed by healthy hogs andeconomically converted
into flech and gains. In this direction, we believe, lies the best solution of the problem confronting the increase in hogs. If farmers will put forth an effort in early
spring to provide these grain substitutes they can in-
crease hog products very extensively and with profit to

Government Assistance Re Market Cattle Explained.

be three shears or mounths
(7) Only farmers or properly authorized agent,
for farmers are entitled to receive assistance under the (8). When a shipper has assembled his consignment, he should see one of the Markets representatives of the
Dominion Live Stock Branch with reference to securing a ${ }_{(9)}$ Thipping Certificat
(9) This officer, after checking over the consign-
ment for the purpose of seeing that it includes only stock covered by the terms of the policy, will require the shippe to make a declaration that each animal included will be retained for breeding purposes either by himsel
or by parties whose names and addresses must be give on the Declaration form. Stock Branch will be prepared to render to farmer unamiliar with the Yards any assistanc The Union Stock Yards Company has agreed to
allow farmers purchasing under this Policy, special allow farmers purchasing under this Policy, specia
rates on feed purchased at the Yards. would desire a full car of breeding stock for himself the Ontario Department of Agriculture, through it for the purpose of combining small orders and appoint ing agents to purchase in carload lots. Farmers ade
advised to consult their District Representatives in this connection. Representatives of the Dominion Live Stock Branch at Toronto are W. H. Irvine and R. E.
Wilson. Their office is located at 1127 Keele Street, just opposite entrance to the Union Stock Yards. The
Markets Representative for the Branch at Montreal is S . N. Chipman, whose office is located in the Live Any inquiries for further information regarding the Policy should be addressed to R. S. Hamer,
Cattle Division, Live Stock Branch, Ottawa.

The Special Stocker and Feeder Policy. (1) The aim of this Policy is to relieve the con-
gested stocker and feeder market at Winnipeg by encouraging shipments to Ontario districts where feed is
reasonably plentiful this fall, thereby preventing the slaughter or exportation of the surplus supply of un finished cattle which Western demand is unable to absorb. During the first three weeks of its operation
in October this year, the Policy was applied on over


First and Champion Poland-China Boar at Toronto and London, 1917
(2) On carload shipments of stockers and feeders
purchased at the Union stock Yards, St. Boniface
(Winnipeg), and shipped to country points in Fastern
Canada, the Dominion Live Stock Branch will pay in the form of a refund, fifty per cent of the actual
freight charges on the shipment (3) No rebate is allowed on hay supplied or o other charges atainst the shipment which may be in
cluded in the freight bill. (4) Assistance will not be given on any shipment
billed from Winnipeg to the Union Stock Yards at
Toronto or Montreal for resalc. (5) Shippers desiring to take advantage of the
Policy should see D. M. Johnson, the Markets Representative of the Branch, at the Union Stock Yards,
St. Boniface. (6) After checking over the consignment for the
purpose of seeing that it includes only the class of cat le covered by the Policy, Mr. Johnson will issue a shipping certificate to the shipper and will supply him with a
Declaration form to be completed after the shipment has been disposed of in Eastern Canada.
$(7)$ The Declaration calls for a definite statement that the stock has been retained by the shipper, himself
for feeding purposes or has been sold for feeding purpose -for fecding purposes or has ween sold or feeding purposes
to parties whose names and addresses must be given
on the form. (8) It will be noted that drovers, commission firms provided they can furnish the evidence required by the Department in the Declaration that the stock has been
brourbt down for feeding purposes only. shipper should forward his Shipping Certificate, Declaration form and receipted freight bills to R. S. Hamer,
(hief of Cattle Division, Live Stock Branch, Ottawa. Provided that the requirements of the Department hav

Wh the issuing of a cheque covering fifty per cent. of Rebates on Stocker and Feeder Shipments from Farmers wishing to purchase stockers and feeders
Toronto or Montreal Stock Yards, are reminded that early this fall the Dominion Department of Agriculture secured from the Railways an agreement to rebate wenty-five per cent. of the freight charges on carload
shipments of stockers and feeders returned from these Yards to country points for feeding purposes. The Canadian Pacific Railway tariff covering this agreement has been effective for the past month and it is hoped that
similar tariffs will have been issued by the Grand Trunk similar tariffs will have been issued by the Grand Trunk
Railway and the Canadian Northern Railway by the time this letter appears in print. ${ }_{\text {H. S. Arkell, }}$

## THE FARM.

## Read This and Buy a Bond

保 W. E. Vaplon referring to the recent Liberty Bond issue in the United States:

## Unless you buy a Victory Bond Old Kaiser Bill may cross our pond.

I used to read the Daily Times to learn the standing of the nines, to know the follies of the dames, the scores of all the baseball games, I even could endure its rhymes.
My fourteen children read the Gumps, and when I had a case of mumps I'd read the Polly and her pals or "Smatter Pop's" old fol-de-rols, they're good for even nip and thumps. But lately I've been getting sore at all the conservation lire; it seems has got a rapid fire gun a-trying to get our wasteful gore. They tell us to eat less of fat, to use less bread and kill the cat, to eat corn meal and thinner peel the
apple and the Irish spud, or we'll awaken with a thud apple and the Irish spud, or well awaken with a thud
to find its Kaiser William's deal. I've cut out chickory and tea, and coffee too; no more for me the flowing bowl that sweet'ning needs, no more of rich and costly feeds,
I'm getting slender as a bee. But now on top of all these woes come bond men just like bands of foes; they take you down, sit on your chest, make of your poverty a jest, it's no use yelling out your noes. I owe the grocer
sixty wheels, a butcher's bill of seven reels; my bank sixty wheels, a butcher's bill seven reess; my ark 'til
account is overdrawn, I walk the floor from dark accunt inile dark disaster o'er me steals. But what's the use of dodging fate, last night a boy scout clanged
my gate, held out his pen and said, by hen, I want four my gate, held out his pen course I signed without debate. I spose the Frenchies need our grain; I spose our country
needs our gain, I spose we all should do our mite just needs our gain, I spose we all should do our mite just
like the boys who ve gone to fight and so no longer I'l complain.

All the Farmer Asks is a Fair Wage.
Editor "The Farmer's Adoch y
The farmers of Canada owe you a debt of gratitude
 lo. (ity editors, as well as many so-called agricultural and impressing upon him his duty to produce, but
with apparently no care whether he is rendered bankrupt with apparently no care whether he is rendered bankrupt
in the operation. While you on the contrary desiring, in the operation. While you on the contrary desiring, our boys at the front at heart, increase of production of farm products ask for some practical means whereby
this may be accomplished, for, as you state, "There is no power on earth that can compel a man to produce a The farmer has a long memory and remembers were not cconomically successful. Not long ago we had a bacon campaign and then the bottom dropped many places milk, were pushed below the cost of promany places milk, were pushect duction with the result that the farmer was forced out of them, hence the present shortage and conseguent
high prices. It takes time and money for the farmer high prices. in a new line so he naturally goes slowly, especially as he has no idea when the next slump is due, and with the recent investigation regarding the profits in his memory. The city man, when he sees the scareheads in the city papers about the profits in farming,
berates the fool farmer for not taking advantage of his opportunities. It would all be ludicrous if it were not a twe and death struggle. The pity of it is that so many goor-intentioned people are led away from facts.
Take for instance the Resources Committee and the literature it got out, which was supposed to appeal to farmers and which stated that all that was reqpuired to merease production is time and labor. How much
money would a banker lend on time and labor? He would ask inquisitive ruestions about the price of article; the cost of raw material, and what that article would sell for when completed, but the "hay-seed" is central Committee exposed his ignorance still more glowingly. In conversation he stated the great in-
crease in wheat if every farmer produced just one-half
acre more, in blisssul ignorance of the fact that wheat is grown in fields of five, ten, twenty or more acres, and that if every farmer put in and worked an extra half
acre that it would cost $\$ 10$ a bushel to produce it. But the crowning insult of all is reached in a Government bulletin which states that a farmer can
buy sheep at present high prices and tnake from fifty seventy per cent. profit the first year. If this can expense rival the Sir Knight of the bacon business. Surely it is time for the farmers to call a halt on
this hot-air campaign and call for a slow down. Let us this hot-air campaign and call for a slow down. Let us
have the name and address of the farmer who is making
from fifty to seventy have the name and address of the farmer who is making
from fifty to seventy per cent. profit on his farm lintil from fifty to seventy per cent. profit on his farm
we do this we cannot blame the city man for calling us
profiteers, when he reads such items from what is supprofiteers, when he reads such
posed to be reliatle authority.

The fact of the matter is that farming is not prosper uis. There is no scarcity of labor, but a scarcity of re-
urns to pay for this labor. Our best men have at urns to pay for this labor. Our best men have all left
the farm for the towns and cities, and I for one do not
bame them, as
in the country.
The Food Controller in a retent or them to stay
Ther ommon error of saying there were too few, made the the country. On the contrary there are too many, and will be as long as the farmer, the farmer's son, the farmer's daughter, as well as the farmer's hired man and hired
girl still wend their way cityward in order to better their conditions and do not return to that Paradise on earth-the farm in the country. Unless some change is made and that very soon, the city people will have to pay much higher prices until such time as the farmer
can give the short hours and high wages that wi!l atTract the laborer to the farm
This matter is very serious, and owing to the un-
certainty of the future there will probally be much less certainty of the future there will probably be much less
produced in 1918 than there was in 1917 . to seventy per cent. profit, hut would be satisfied with wion
life blood on the fields of France.
Your den*ind for guaranteed price is right and just. This has been done in England. The farmer will produce any "rop that the country needs, if he can see his way to come out For many years I have travelled in the districts of the United States where contract crops are the chief
dependence of the farmers, and have notect they are to respond to guaratees noted how quick near the margin, very lit ly is is put in, but if supplies are low dealers are anxious and offer good prices, and the acreale vear. The farmer is frequently doulted in becoming exasperated with all this gratuitons advice and fictitious reports of profits, and if something is not
done and done quick'y it will mean cone and done quickly it will, mean lessened production the coming year and consequently higher prices. For amplanning to do, but with the uncertain stapthan I markets. the high cost of labor, as well as all supplies,
it hooks like a gammble with a all

## Canada's Young Farmers and Future Leaders

Lengthen the Life of Implements. The farm machinery should all be stored before the
snow fies. It is not economical business to allow the plow to become frozen into the ground and left there all winter, nor to leave the cultivator and harrows where
they were last used. It does not take long to put them they were last used. It does not take long to put then
under sheller of some kind. Steel and wood deterionate rapidly if left exposed to the elements. Not only that, but it takes longer in the spring getting implements that have been left in the open to do proper work than
it would take to store them in the fall Fow thank of leaving harvesting machinery outdoors. When through with the plow, take an hour if necessary and clean it up horoughly. Remove all irt and accumulated grease board and shares. This will prevent rust getting a hold on the surface and the mold-board will clean readily then put in the soil in the spring. There is always cultivator and disk should also be cleaned before being put away for the winter. If the cultivator points are worn, it is a good plan to remove them and put them
on the emery stone sometime during the winter, so they will cut freely when preparing the spring seed-led If the disk doesn't do as work good as it should, it mplement should be gone over carefuly and all missing bolts or nuts replaced. If the harrow teeth are dull, ake then to the tlackesmith's shop early in the winter the rush is on in the spring. A lot of repairing ant be done during the winter that will save time next spring, or, in other words, it will be preparedness for the spring, implements are in in the fall and lose precious time in implements are in in the fall and lose precious time in
seeding replacing bolts or making other repairs that
might have been made early in the winter.


Plan to Attend the Short Course in Your County
week Short the privilege of attending onc of the four week Short Courses held in Wentworth County, under the supervision of our District Representative. Ire
ceived a good deal of knowledge relative to the feeding of live stock. The varieties of feed suitable for the pro. duction of milk and meat were thoroughly discussed and rations erere compounded which have proven to give good results. We were made tamiliar with the
common weed seeds and were taught the time and manner of disposing of the foul weeds. Itaving a small orchard
on our own place, I was intensely intersested in the essons on our own place, Cwas intensely interested in the lessong
dealing with the care of orchards. We had been doing very little spraying and I found out that even what we had been doing was not to the best advantage. We were given instructions in the general care of the orchard,
the kind of spray material to use, the time to spray to combat insects and fungus.
At that time the farmers in the district were finding lot of smut in their oats and I believe nearly all the the following spring with satisfactory results. At the end of the four weehs we organized a Junior farmers Association which has been the means of holding the competition and therefore had the pleasure of taking the two-week Short Course at Guelph. If it had not
been for our County Short Course, I would have missed been for our County Short Course, I would have missed
the competition and the trip to Guelph. Any young man the competition and the trip to Guelph. Any young man
who has the chance to attend a Short Course should not let the opportunity pass, as, if attention is paid to the lectures you will receive a good deal of valuable in-
formation which will be of great advantage when running formation which will be of great advantage when running
a farm.

## Automobiles, Farm Machinery and Farm Motors.

| Horse-power Rat | is tal | Le us atach a traier and load it so heay til that with |
| :---: | :---: | :---: |
| $d$ answers 1 would like to $k$ | Probahly this explains why thic Ford mutoor crefered |  |
| the difference of rating on the 17 oil tractor and a steam tractor. |  |  |
| How, is it that the Ford | $22.14 . \mathrm{P}$. There is another possibil | turned into a tractor by using a gear wirich does not and cannot utire the full power of the motor in prom |
| trator which has 10 H. P. on the draw | or too lopse to pull more than is H . p , in whic | Peling the car along a |
|  |  | H.P. P. If a still flower ge |
|  | dieres stil |  |
| H20 |  |  |
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|  |  | tractor i, that the trastor is so gearell liat when the |
|  | w. | needs to be about half open to prope forward at its intended speed. As |
| 1. P. $=1 . \mathrm{da}$ | did | orn |
|  |  | dred |
| number of rewnfations per minute. |  |  |
|  | , | c lelt |
|  | is appled 1 producing sum conditions the car | ry, and 10 of this is being exerted on the drawbar, |
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|  | direl |  |
|  | st much | manufacturers generally base the rating of their gasoline |
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that they are not rated at their maximum horse power
as gasoline engines frequently are, and hence the stean ange
engine is capable of handling a a large overload for a
short time, e. . when a sheaf is "slugred" into the short time, e. g. when a sheaf is "slugged" into the
separator, and this extra demand is taken care of by engine, however, to have the same flexibility and mastery must be run considerably below itt rated 11

Looking After the Clutch

| A number of 1918 models have been equipped with dry plate disc clutch and consequently some informaWith the clutch, drivers have been accustomed to keeping their left foot upon the clutch pedal, but the dry plate dise clutch does not allow of this habit. There was a spring in connection with the cone clutch pedal that brought it back smartly after release, but a similar spring is not used in connection with the dry plate disc chech If you keep your foot upon the dise clutch pedal you will create a friction on the face of the plates and in time the clutch is bound to slip. It is an easy matter to drive with your left foot upon the floor of the car if you only bear in mind that keeping the foot upon the pedal creates damage to your machine. There are not many adjustments necessary with the dry plate disc clutch and you siould always refrain from putting any oil grease on the discs. When the clutch discs begin to wear slightly, move back the lock nut and adjusting nut on the clutch release rod connecting the pedal to the release to the lower hole in the clutch pedal instead of to the upper one. The only lubrication that it is compubory to look after, concerns the grease cups which are well in view and easily located. If the clutch pedal rattles against the floor boards there is an adjusting stud inserted in the clutch release rod that comes in handy. The popularity of the dry plate disc clutch comes from the fact that a child can easily operate it, the pedal moving with extreme ease. <br> Owners who have machines equipped with carburetors of the automatic float feed type have only one the gasoline needle valve. When the fuel passes into the bowl of the carburetor it elevates the float until the inlet needle closes up and cuts off the fuel. By the same token it is easy to understand that as the gasoline goes down, the float lowers. lifts the needle and allows the gas to re-enter <br> From this description you can see how the fuel is controlled and why the carburetor is called the automatic float feed type. You will not have any difficulty operating such a contrivance in order to suit it to all purposes buretor has a number of different adjustments we would not advise you to attempt touching the motor unless of an expert. Tinkering book or can act upon the advice ous proposition because any failure to maintain accuracy results in constant trouble. Some parts of an great deal of inconvenience, but a carburetor must be almost, if not quite right, or you are bound to suffer by loss of power and faulty operation. It is desirable that in the cold weather your mixture should be rich, but it is not very delightful to have it so out of proportion that the cylinders, pistons, and valves become sooted. When the motor is carbonized it tends to over- heat. It also chokes and miss-fires. These things are most noticeable at a low speed. A lean mixture, the gas is burning tends towards back-firing because place quite frequently when the inlet valves are open. carburetor isy matter for even a novice to tell when his properly adjusted for the engine will be been asked for a good temporary method leak in the radiator. We suggest any stiff soap. White lead can also be used Such stops are only for the time being, dilered properly if the leaks are to be There are a number of different the market that can be put in the radiator with the engine in operation, but some bad effect upon the hose connections and $\qquad$ |  |
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Horse-Power

## in describing Horse-power, owing to

Engine Queries

## THE FARMER'S ADVOCATE

Founded 1866
ventilating system and the cost need not be great, as any handy man can do the work consequently the aim should be to have the stable air clean and pure. If the stable were ventilated as it
should be, steam would not form as it does when the door is opened on a frosty morning. A person feels the cold more on a damp day than on a dry day when the thermometer shows it to be really much colder. The same applies to stock. Cold, dry atmosphere is not
nearly so detrimental to health as damp, though warm, atmosphere. The dampness in a stable is removed through the ventilators.

It is usually more difficult to regulate the temperawinter, although it may be easier to ventilate as doors and windows can be left open part of the time. If a dairyman expects his cows to make the greatest use of their feed, comfort must be provided. A cow that is
kept in a cold stall uses more feed to keep her warm than the one kept where the temperature is from forty to fifty degrees. However, heat must not be obtained at the expense of fresh air. Oxygen is absolutely necessary from a closed building filled with people or stock. The tragedy of the "Black Hole of Calcutta" was due to suffocation through lack of oxygen and accumulation of carbon-dioxide gas. In some stables during the
coldest part of winter the live stock are subjected to somewhat the same condition only to a lesser degree. It does get to the stage, however, where the vitality is lowered por a time at least. Opening of doors to do cefectively permive the warm air laden with moisture and impure gases. There is need for the greatest use to be made of all feeds grown in this country, both from an individual results, conditions must be such that the stock will be healthy and vigorous. Let there be light, reasonable warmth, and ventilation in the stable

Take the chill off the water before giving it to a newly freshened cow. It may save complications later on

Light is good. Why not have a plentiful supply
in the dairy stable and milk house? Sunshine brings in the dairy stable and milk
death to many disease germs.

Do not allow dirt to accumulate in the manger or the animal to lose its appetite.

The feeder, milker, retailer, in fact all who are called upon to handle nature's great
practice cleanliness at all times

Make a permanent job of repairing the leaky water box when you are at it and save
intermittently during the winte

If the clippers are run over the cows' thighs and the chance for contamination of the milk

At the Nebraska Holstein Breeders' sale, held at
South Omaha, 74 head brought a total of $\$ 18,175$. In Michigan, 72 Holsteins were sold for an average of $\$ 181.25$.

The cobwebs require sweeping down and the windows need cleaning in many dairy barns. This will be a job
for the first day the weather bars you from working out
side.

At the Hazelwood-Carnation sale of Holsteins, held a total of $\$ 34,515$. Hazelwood Cinderella Butter Cirl
and Hazelwood Alban Ormsby brought $\$ 1,100$ and $\$ 1,325$, respectively.

Some cows look poor and are poor; others look good
but are poor; some look poor but are good; others have good appearance and give good returns. Use the scales
and pirk out definitely the good producers. Don't
rely entirely on

The American Jersey Cattle Club reports that since
April 1, 1917, they have had an increase of forty-four per cent. in ersey registrations; an increase of transter, huthenticated per cent.
The cause of milk fever is frequently attributed
to milking the cow out clean soon after calving. It is to milking the cow out clean soon after calving. It i
advisable not to empty the udder the first day or two
If the fever developetheoxygen treatment is recommend ed. The cows due to freshen soon should have a succulent
ration or one which will keep the bowels in good condition.
Do you ever test the cream so as to know how many
pounds of butter-fat you shipped before the returns pounds of butter-fat you shipped before the return
come in from the creamery? A Babcock tester is not
an expensive piece of machinery and by following in come in from the creamery.
an expensive piece of machinery and by following in-
structions closely anyone can operate it on pays to
know what the milk of every individual in the herd
lests. Quality as well as quantity is desired by most
dairymen.

## POULTRY.

The Cost of Poultry Raising For

## 1916-1917

The cost of raising chickens has increased materially since the opening of the war until in 1917 the feed cost
of raising chickens of average quality as found through of raising chickens of average quality as found through-
out the country amounted to almost the market value of such chickens. Such conditions did not exist on the average farm, however, because the majority of
farmers have not had to purchase much grain at the farmers have not had to purchase much grain at the
increased prices, nor is the above statement applicable to commercial poultry plants because on such plants the great majority of the stock raised had a breeding value over and above the market value. If farmers in
1917 had had to purchase most of the grain fed to their stock and if commercial poultry raisers were producing stock of the same quality as found on the average farm, then the feed cost in each case would have amounted
to almost the market value. Under average conditions it costs about five cents to hatch each pullet. To produce a pullet under free range conditions weighing four pounds, which weight the average Plymouth Rork,
Wyandotte, Rhode Island Red and Orpington pullet yyandotte, Rhode Island Red and Orpington pullet pounds of grain. In 1914 with wheat at $\$ 1.70$, corn at $\$ 1.45$ per 100 ibs. it cost thirty-two cents to raise a
pullet. In 1916 with wheat at $\$ 2.30$, corn at $\$ 2$ an pullet. In 1916 with wheat at $\$ 2.30$, corn at $\$ 2$ an
oats at $\$ 2.50$ per 100 lbs. it cost forty-two cents to raise oats at $\$ 2$. In 1917 werth wheat at $\$ 3$, corn at $\$ 3.50$ and
a pullet.
oats at $\$ 2.50$ per 100 lbs., it cost sixty-four cents to raise oats at $\$ 2.50$ per 100 lbs ., it cost sixty-four cents to raise a pullet. The prices of grains given are the average
prices during the producing season, March to September, prices during the prears given. The three grains, wheat, corn and oats, are used as a basis of comparison since
these three grains with their by-products are used most extensively in the raising of chickens. Moreover, of all occurred in wheat, corn and oats.
For the seasons 1916 and 1917 the following method
has been followed in feeding the growing stock at Mac has been followed in feeding the growing stock at Macdonald College
Chicks in
Chicks in brooders.- The chicks are placed in are not fed for 36 hours after being hatched. The chicks are first given a mixture of 4 parts bran, 4 parts beef scrap, and 1 part chick grit, all parts being by weight. This mixture is just slightly moistened with sour milk and is fed three times daily, being alternated
with two feedings of rolled oats twice daily for the first few days. When the chicks are three or four days old instead of giving them rolled oats they may be given a mixture of one part boiled infertile eggs and four
parts of bread crumb, when infertile eggs are available. parts of bread crumb, when infertile eggs are availedins.
At the same time two of the moistened mash feedings are gradually replaced by two feedings of equal parts finely cracked wheat and corn or a good brand of commercial chick feed. Thus when the chicks are about one
week old they are fed cracked grains scattered in the litter in the morning and evening, rolled oats or the egg-and-bread-crumb, mixture in the middle of the fore-
noon and afternoon, and the moistened mash at noon. This method is continued until the chicks are about three weeks old when they are given cracked grains given above, with 2 per cent. charcoal added, is fed dry in hoppers. When the chicks are five weeks old they are fed cracked grains morning and evening and mash
at noon, and the dry mash is still kept before them Clean water and sour milk are supplied ad libitum and chick grit is supplied in hoppers. If plenty of grass Chicks on range.- The same method of feeding
employed after the chicks are five weeks old is followed when the chicks are placed on the range, except that the grain mixture consists of equal parts whole wheat
and coarsely cracked corn, and the mash mixture is and coarsely cracked corn, and the mash mixture is
made of 2 parts bran, 1 part oatmeal feed, 1 part cornmeal, 1 part middlings and 10 per cent. beef scraps. It is than in hoppers, while the dry mash is given in hoppers The moist mash is fed in V -shaped troughs, care beins taken to feed only as much as is eaten within a few when available, are kept before them at all times. Grit
and oyster shell are always on hand.

## HORTICULTURE.

Potato Growers and Specialists in Conference
I conference of potato growers and specialists wa
recently held at the Parliament Buildings, Toronto, to
discuss the different. phases of the potato-growing in dustry, and the desirability of of securing seed potatoes diseases of the tuber are not prevalent. The aim of
the conference was to ascertain whether the potato yields in Old Cutario could be increased by New On-
tario seed, to what extent dangerous diseases become established in our potato fields, and how the potate
fields in both Northern and Old Ontario. In only one case of the former was leaf roll found, but it was pre-
valent in all districts in the older-settled portion. In valent in all districts in the older-settled portion. In
fact, in only two fields in the latter district was none of the disease observed, while it ran as high as fifty per the disease observed, white it ran as
cent. in some. Eight per cent. is considered by path-
ologists to be serious, as plants diseased with leaf roll ologists to be serious, as plants diseased with leaf roll
yield but one-half to one-third of normal crop. Mosaic is a disease fairly evenly distributed over the whole Province, but, it is not so serious as the leaf roll. How-
ever, it is serious enough that immediate steps should ever, it is serious enough that immediate steps should
be taken to prevent its spread. It was found that the blights are more prevalent in the older potato districts than in the noth. The investigation proved that Nerthern Ontario is superior as a source of first-class
seed potatoes. It has less than one-quarter the amount of serious diseases and one-tenth less of the minor vince. It is estimated that in the Thunder Bay District alone over 500,000 bushels of choice seed might
eventually be produced. ventually be produced.
A study of the diseases revealed the fact that leaf plants to roll or curl, thus weakening the plant and arresting the development of tubers Its cause is not known, but it was conclusively proven that developdry weather prevail. Clean seed is as yet the only known remedy. Curly dwarf is a disease somewhat similar in effect to the former, although the symptoms
are different. The plants become badly dwarfed and are different. The plants become bady dwarfed and
lose vigor, resulting in a yield of small, unmarketable tubers. The Mosaic disease interferes with the normal development of the plant, causing the leaves to be more
or less puckered and have light green blotches or less puckered and have light green blotches on their urface. The evidence of the plant pathologists went
to prove that the two former diseases are both communicable and hereditary, while the lattel was probably communicable and certainly was hereditary. They
were of the opinion that there was little hope of ridding were of the opinion that there was little hope of ridding
Old Ontario of the leaf roll by selection, but that it might be done by the importation of disease-free seed rom unaffected districts. It was believed that these
diseases either originated through impaired vitality or were developed by specific organisms not yet isolated. Hot, dry periods, with hot nights, are believed to aid propagation of the disease. Consequently, the climate Province for growing clean seed so far as climatic conditions were concerned. It has yet to be proven how long the imported seed can be replanted before danger of developing disease. P. Murphy, from the Dominion Island, emphasized the fact that while these diseases would not originate in Northern Ontario, due to climatic conditions, they would readily develop and spread if ticts. He advised a very careful and thorough inspecfion of the fields in order to prevent the contamination by disease of this source of seed supply. In the opinion of those present at the conferes to lont should be vigorous, northern-grown seed, and to initiate a scheme of rogueing out disease and impurities from the fields be used as a sor supply.
Dr. W. A. Orton, United States Department of
Agriculture, Washington, declared that all experiments and practical experience in the United States confirmed the belief that those districts where a comparatively cool, moist climate prevailed, with long days of sun-
light during the growing season and cool nights with heavy dews, were especially adapted to the production of highest quality seed potatoes. He believed a light soil was superior to a heavy soil for seed production,
and that the yields throughout Old Ontario could be increased one hundred per cent. by the planting of
northern-grown seed and the general practice of skilluul cultural methods. Prof. Macoun and Dr. Zavitz each gave reports of their experiments in proof of hes. Dr. Zavitz has experimented with seed from the Maritime yovinces, Northern Ontario and Old Ontario in field. Immature seed grown in Old Ontario resulted in heavier yields than mature seed. The growers present with grown seed, concurred in the opinion that it was the best. Walter Cook, of Cataraqui, found that immature in a sod field, after the hay was taken off in mid-summer. When the tops were frozen he harvested the crop and
found that the small, immature seed gave good results the following year. A committee was appointed, composed of men who to work out details of standardization of varieties and
extension propaganda. After considerable deliberation, extension propaganda. After considerable deliberation,
recommendations were submitted, which in effect were: 1. That the Irish Cobbler be recommended as a
standard early variety for commercial purposes, and Early Ohio as an extra-early variety for market gardeners to meet the requirements of special markets. The
Green Mountain was recommended as a standard late Green Mountain was recommended as a standard laten No. 1, Dooley, Rural New Yorker No. 2, etc., recoggized
as standard varieties and be recommended for those as standard varieties and be recommended for those
districts where conditions are peculiarly favorable to districts where conditions are peculiary Na especially
their growth. Where a variety was found ent suited to the conditions, farmers were advised to confine their attention to such variety.
2. That owing to the serious discases known to ologists, consisting of or ten men who specialized
hat these specialists rogue the best potato fields in
Northern Ontario of impurity and disease, and to do Northern ontanioc power to give the individual potato verything in their inower tion possible regarding the gradication of disease and the best methods of crop 3. That in regard to a supply of northern-grown
seed, this should be secured at once to be used for experimental and demonstration purposes, and the committee suggested that plans be made by the Government to
did farmers and growers to locate a supply of the best id farm or own seed
4. That a part of one or several Government farms
Northern Ontario be used for row wing a supply of the highest quality seed. tional campaign to the end that potato growers be fully
informed of the seriousness of the disease prevalent in he Province, and the growers be made cognizant of Ontario That a committee be appointed to study grades nd grading, not only for the Province, but for the
Dominion. 7. That a potato specialist be appointed by the
Ontario Government to have charge of all potato exension work in the Province; to organize the improveind educational campaigns, etc. ble the potato specialists to work efficiently and withsut friction, and that this council should represent
every interest comprehended in this scheme and potato
extension work

## FARM BULLETIN.

A Few Notes From Leeds.
Silo filling for $191^{-}$is a thing of the past. Corn was the surprise crop this year. Planted somewhat late
inder none too favorable conditions, it was none too
and yood, stand in some fields, and it made very slow growth
in its early stages. The excessive heat the latter part of July gave it a start, then came the rains in August, furnishing sufficient moisture for its development. For
some reason the killing frost of September 10 missed us, at least it wasn't severe enough to do any damage, and during the warm weather that followed the corn just stretched heavenward. The result was that we had a
pretty good corn crop in this section, not so mature as pretty good corn crop in this section, not so mature as
in 1915 but, in most cases, farmers who had silos had The season on the whole has been a favorable one in Eastern Ontario The spring was wet, but farm-
ers managed to get their grain in between showers, and a large acreage was sown. Hay was a bumper crop,
well saved, even better than 1916. Grain, on the whole, has turned out well, especially wheat and barley-th excessive heat in July was the cause of some light oats
Pastures, as a rule, have been good, excepting a while in mid-summer. New seeding looks well. Potatoes and roots are good, but the excessive wet weather the end
of October delayed harvesting these crops. done November 10, and unless climatic conditions are more favorable from now till free, ing up, it is going to
find a lot of farmers with their fall work unfinished. the Domine by a recent press dispatch from Ottawa that paign for greater hog production. Following on the
heels of a slump of over $\$ 2.00$ per 100 lbs. in live hogs, a square deal to the farmers regarding prices their appeal
will fall on deaf ears. While live hogs have declined in price, the prices of ham, bacon and lard have steadily
advanced. I think that is a point our Food Controller I consider the cheese factory patrons had a raw deal handed out to them as regards price for their product
of the season just closing, and I am not a cheese factory pat ron either, but know something of the cost of proisn't careful it will dry up the source of supply. "There are murmurings in the mulberry trees," to quote the
words of a well-known public man now deceased.
C. H. M.

Canadian Judges at the International.


## Root and Fodder Crops

report on the yield, quality and value of the root and
fodder crops fodder crops of 1917, the acreage and condition on
October 31 of fall wheat sown for 1918, and the progress of fall plowing.

The area this year under root and fodder crops consisting of potatoes, turnips, etc., hay and clover, alfalfa, acres, as compared with $8,843,500$ acres in 1916, all crops excepting sugar beets sharing in the increase. In total value, at local prices, these crops amount
for 1917 to $\$ 267,664,300$, as compared with $\$ 246,761,200$ in 1916. The total yield of hay and clover is estimated to be $13,681,700$ tons from $8,225,000$ acres, as compared $7,821,200$ acres, and it is higher than in any year prewith 1.86 ton last year, is higher than in any year since 1910, when it was 1.82 ton. The average value per
ton is $\$ 10.40$ as against $\$ 11.60$ last year. Potatoes yield a total of $79,892,000$ bushels, as compared with 63 ,
297,000 bushels last year and 62,604000 bushels 1915; but the increase for this year is due to the larger area planted ( 656,958 acres as compared with 473,000
acres in 1916), and not to the yield per acre, which averaging only 121.61 bushels is the lowest on record, excepting the year 1910 , when the average was 119.36 bushels. The average yield last year was 133.82 bushels;
in 1915 it was 130.81 bushels and in 1914180 bushels, the record year. The average value of the potato crop is $\$ 1$ per bushel as against 81 cents last year, and
the total value of the crop is $\$ 81,355,000$ as compare with $\$ 50,982,300$ last yea
By provinces the potato yield is highest in Prince maining provinces being in order of yield in bushels maining provinces being in order of yield in bushels
per are as follows: British Columbia, 166.55; Alberta,
151.46; New Brunswick, 149.80; Ontario, 133.67; Saskatchewan, 133; Manitoba, 106; Quebec. 80 . The prices per bushel by provinces are as follows: Quebec,
$\$ 1.38$; Ontario, $\$ 1.00$; Nova Scotia, 92 cents; British Columbia, 91 cents; Saskatchewan, 85 cents; Manitoba
and Alberta, 76 cents, and Prince Edward Island and Alberta, 76 cents, and Prince Edward Island, 75
cents. The quality of the Standard in Nova Scot ia, and 65 per cent. in Quebec;
in the other provinces the quality is between 80 and 99 per cent
The total yield of turnips and other roots is estimated with $36,921,100$ bushels from 141.839 acres in 1916 Of fodder corn the yield is $2,103,570$ tons as against $1,907,800$ tons in 1916. Alfalfa yields 262,400 tons
against 286,750 tons last year, and sugar beets 117,600 against 286,750 tons last
tons against 71,000 tons.

Fall Wheat and Fall Plowing.
The area estimated to be sown to fall wheat for the
season of 1918 is 711,112 acres or 4 per cent. less than the area sown in 1916 for the crop of 1917 for the crop of 1917. In Ontario the hard and dry condition of the
soil made it difficult to sow fall wheat, and the area soil made it difficult to sow
sown is estimated to be about 4 per cent. less than last year. In Alberta there is shown to be a slight increase, or 61,384 acres as compared with 60,776 acres. There are also small areas sown to 11,129 acres; Saskatchewan, 11,883 acres, and British Columbia, 3,476 acres. The condition of fall wheat on October 31 for all Canada is 80 per cent. of the
standard, as compared with 76 per cent. last year standard, as compared with 76 per cent. last year.

In Ontario the condition is 80 per cent., and in Alberta in is 91 per cent. Of the total land intended for next year's crops 53 per cent. is estimated to have been | ploughed by October 31, the percentage proportions in |
| :--- |
| the West being 40 for Manitoba, compared with 47 | last year, 37 for Saska

Alberta as against 21 .

Regulating the Packing Business.
ing the packing industry as follows:
"In carrying out the policy of the Union Govern-
ment as announced by the Prime Minister shortly after its formation, it has been decided to establis effective control over all packing houses in Cana

The control of profits shall be as follows
"1. No packer shall be entitled to a profit of more
than 2 per cent. of his total annual turnover, that is, his total sales during any one year.
"2. If the 2 per cent. annual turnover exceeds 7 per
cent. on the actual capital invested in the business, cent. on the actual capital invested follow business,
the profits shall be further restricted as foll "(a) Up to 7 per cent. on capital the packer may ${ }^{\text {retain }}$ "(b) If the profits exceed 7 per cent. and do not exceed 15 per cent., one-half of the prcfits in e cess of the Government. belong to the Government. "Suitable regulations shall be made to insure the

United Farmers' Annual Meeting
The annual meeting of the United Farmers of On-
tario and of the United Farmers' Co-operative Co.,

## Take to the Plow

editor "The Farmer's Advocate"
1 notice farmers are under a great deal of discussio just now by the Government, the Food Controller Fuel Controller, and the consuming public. I saw by a Toronto daily that the Provincial Government are to hold a convention and investigate the production of hogs by a committee of the Minister of Agriculture and several farme. looks to me as if those armchair farmers would just come down and the and and
the plow and hel and the Government stop manufacturers and profiteers from making the prices to suit their own interests, and arrange a plan whereby farmers could get feed at a price so that there would be a living profit in the growing
of hogs, the investigation would be complete and the production of hogs would increase, but at present prices of grain the margin is so close that uncess conditions
are just right there is very little or no profit in the pork business for the farmer.
Then again I see by the same daily thè question of potatoes is discussed by some city dwellers who try to
show what the profitsofthetubers would be froma farm of show what the profitsof the tubers would be froma farm of
one hundred acres. While I am not going to dispute the figures quoted, I will say that those conditions will not hold good only in some favored spot, because the weather generally throughout very unfavorable, and in my locality e eipecially nine very und the farmers are not digging as 'many potatoes
tenths of as they planted at a cost of anywhere from $\$ 3$ to $\$ 5$ per bag. The city dweller claims farmers should not re-
ceive $\$ 1$ per bag, as by good tillage more than 200 bushels per acre can be raised and the farmer must not expect the consumer to pay for his failure. Granting this to be so, how about the weather conditions? We farmers here are willing to pay $\$ 1.50$ to $\$ 2$ per bag for our winter
supply and seed for next spring. The city dweller also says that a short time ago we only received 30 cents per bag and less in Toronto. My good man must
have had some sleep and only just awakened now have had some sleep and only just awakened now, as I
cannot remember potatoes selling at that price for at least twenty-five years, having been in the farming business for over thirty years, and only once do I re-
member the tubers selling as low as 30 cents member the tubers selling as low as 30 cents per bag. buy groceries of any kind at almost half what they cost now, and also get labor at very much less than we can now. If city dwellers would consider how many profit-
eers. there are getting rich between the producer and the consumer, they would not think the farmer was getting too much' for the amount of time spent producing food for the nation in these strenuous times, while our son are at the front fighting for our liberty. Farmer.
Haldimand Co., Ont.

## Kerosene Lamp Tells the Story.

Like the boiling tea kettle with James Watt, the
plain kerosene lamp revealed the secret of perfect compustion to John A. Secor. A lamp burner when turned too high furnishes too
much oil, which results in free carbon and a sooty lamp much oil, which results in free carbon and a sooty lamp chimney. If the lamp is turned too low the com-
bustion becomes incomplete, and the lamp throws off poisonous gases of an unpleasant odor. Good illumination is dependent on careful adjustment of the wick
by means of the thumb wheel. This must be done by means of the thumb whee. This must be done air and other conditions change. When the wick is just at the proper point there is no odor and no soot,
and a brilliant, soft light shows how perfectly oil can and a brilliant, soft light shows how perfectly oil can
burn. In other words, good illumination and good combustion are dependent on accurate adjustment in the supply of fuel and air
The difficulty in
The difficulty in an engine is that this adjustment vary from moment to moment, from minute to minute, vary rom mome increasing or decreasing load and other changes
with atmospheric conditions. The human hand is not in atmospheric conditions. The human hand is no
quick enough, not deft enough, to regulate the fue quick enough, not deft enough, to regulate the fue
supply of an engine. Regulation must be effected positively and automatically. Those fractions of a few drops of oil must be weighed out with a precision of To secure the best results in an oil burning interna combustion engine, water must be used. The quantity of water must $v_{i} r_{y}$ with the load. If too much is intro little, the desired effect is not obtained.-J. Macgregor

Three Memorable Shorthorn Sales. On October 31 , November I and November 2, three
memorable Shorthorn sales were held at Chicago Carpenter \& Carpenter, and J. W. McDermott led off
with 62 head which sold for $\$ 44,310$ or \$714. The higheit-selling cow at auction was included in this sale, being Maxwalton Queen which went at $\$ 4,200$. Leslie Smith \& Son realized $\$ 64,800$ on 59 head, or an average of $\$ 1,090$. Thirty head exceeded $\$ 1,000$
each, and 7 sold for $\$ 2,000$ or more. On November 1 Carpenter \& Ross sold 80 head for $\$ 94,825$, or an average
of $\$ 1,185$. The top on females was $\$ 3,000$ and on bulls of $\$ 1,18$.
$\$ 3,250$.

## W. J. Davis \& Son, of Tennessee, passed 120 Here- fords through the auction ring on November 1 and fords through the auction ring on November 1 and 2, $\$ 1,044$, and the 92 females, $\$ 877$ The 28 bulls averaged

## Toronto, Montreal, Buffallo, and Other Leading Markets

Week Ending November 15.
Receipts and Market Tops.
Dominlon Department of Africulture. Llve
Stock Branch, Markete In inelisence Divilion


NOVEMBER 22, 1917

## THE FARMER'S ADVOCATE

## Every farmer who desires <br> to do business with

## The Molsons Bank

is always assured of a courteous reception by local managers. And their object is to assist the farmer in a legitimate way, to make his land and stock more productive.

The total receipts from January 1st to November 8 th, inclusive, were: 47,179
cattle, 51,932 calves, 62,993 sheep, and cattie, 51,92 calves,
68,406 hoss, compared to 43,137 cattle
41,676
calves
52,152 sheep 4hogs, received dut during the corresponding
hosid
perid of 1916 period of 1916 .
East End.-Of the disposition from Sth, Canadian packers and local butchers purchased 241 calves. 1,94 butcher
cattle, $1,200^{\text {hogs and }} 611$ sheep and cattle, 1,020 hogs and 611 sheep and
lambs.
Canadian shipments consisted lambs. Canadian shipments consisted
of 143 butcher cattle and 535 shees and lambs. Shipments to to United States'
points were made up of 15.5 calves, and points were made up of
1,947 sheep and lambs.
The total receipts from January 1 stt
to Noverber 8th. inclusive, wera: 46,762
 cattle, 39,100 calves, 38,604 sheep, and
39,911 hoss; compared to 44,216 caltle,
411,166 calves, 43,409 sheep and 55,143 hiogs, recieved
period of 1916.

Winnipeg
Receipts of cattle for the week showe a decrease of eighteen. hundred head
compared with last week. Market con-
ditions show some improvement although he yards where slightly congested during on buyers were at the market picking up the choicest of the offerings. Eastern
buers
 n a steady market. Four thousand which resulted in many being held over ntil the next day, when the market Wednesday, with tiventy-feceipts. hn cattle on sale, prices were 25 cents
higher, the market closing strong at
at this advance. Indications are that the bit runs are almost oover for the season,
lithough a large market is expected for thhough a large market is expected for
ext week. Cattle of good quality met with a strong demand, but light weight
cattle of of medium to re selling at prices unsatisfactory to the shippers. Packing houses are stocked emand reduced prices. Forty-two steer averaging twelve hundred and ninety
pounds realized $\$ 11.10$ per- hundred and
sint ixty eight averaging thirteen hundred and
eventeen pounds brought \$10.60. These eventen pounds brought $\$ 10.60$. These
sales were exceptional, the bulk of the Sales were exceptional, the buk of the
pest heavy sters selling from 89.25 to
$\$ 10.70$. Stecers of one thousand to twelve uality pounds sold well, many of choice eeding. Forty five averaging ter-leeen the Dulk of the best sold from 88.80
o $\$ 10$ with medium kind selling from teers sold from $\$ 7.80$ to $\$ 9$, and those f fair quality from 86.60 to 87.40 .

Chicago
 Ceers, 89.50 to 813.50 ; stockers and lecars, 85.70 to 811.50 ; cows and heifer
$\$ ., 6010.101 .75 ;$ calves, 87 to $\$ 13.50$.


## Buffalo.

 Cattle.-Cattle market was steadyon few real choice shipping and handy
weight steers, last week but lower b weight steers, choice stipping and hand beek but lower by
a big, quarter on the medium kinds grass sters running from eleven to cattle are coming in pretty freely a
western western markets and these are in competi
tion with natives and Canadions and tion with natives and Canadians, and
eastern killers appear to be otating
better results with the westerns at this time. Last week, there were around thirty cars of shipping steers here, mostly
of a medium kind and several loads failed to find an outlet. Best shipping sterers
offered were out of Canada and sold offreed were out of Canata and sold
from $\$ 12.50$ to $\$ 12.75$. In the butchering
ster steer and heiter line, choice grades sold
stronger, with the general run of medium
kinds of butcher stuff steady to shade kinds of butcher sturaf stean or to shathe
lower, canners ruling a dime to fifteen
lower Stock res. shade lower prices, bulls generally were steady sale, while the bettel kinds of milk
cows and springers brought steady prices cows and springers brought steady prices
others wakk. Cattle are running plenti-
filt fully, more so than was generally expected
and the opinion among sellers generally is that there is little prospect for inproved
prices until the supplies slacken up some. what Receipst for the week showed 7,500 head at Buffalo, as against 6,825
head for the preceding week and 5,925 head for the preceding week and 5,925
head for the corresponding week last year. head or the
prime, $\$ 13$ to $\$ 14$; fair to good, $\$ 11.25$ to
112 , \$12; plain 810 to 810
common, 89 to $\$ 975$

| Shipping Steers- Canadians-Choice to |
| :--- |
| prime, |
| 812.75 to |
| 113.50 . | | $\$ 11.50$ to $\$ 12.25 ;$; common and plain |
| :--- |
| $\$ 9.50$ to 81025 | Butchering S

Butchering Steers-Choice heavy, 811
to 811.50 ; fair to good, 810.50 to $\$ 10.75$; best handy $\$ 11$ to 811.50 ; fair to good,
$\$ 10$ to $\$ 10.50 ;$ light and common, 88
$\$ 8$ to 89, yearlings, choice to prime, $\$ 12$
to $\$ 12.50$; fair to good $\$ 11.75$ to $\$ 12$ Cows and Heilers- Best heavy heilers
$\$ 10$ to $\$ 10.50$; best butchering heifer

 to $87.25 ;$ very fancy fat cows, 89.25 to
8.50 ; brst heavy fat cows, 88.25 to 89 ; good butchering cows, $\$ 7.50$ to $\$ 8$;
meidum to fair, 86.75 to
87.25; cutters 86 to 86.50 ; canners, 84 to 85.
Bulls- Best heavy, $\$ 9$ to 89.50 ; good Stockers and feeders-

 Milchers and springers-Good to best,
in small lots, $\$ 100.00$ to $\$ 140.00$; in calin small lots, $\$ 100.00$
loads, 885 to $\$ 100.00$.
.
Hogs.- Bulfalo hid a good market
last week, notwithstanding on the opening day were a little lower Monday the top was $\$ 18.15$ but general

range was from $\$ 17.75$ to $\$ 18$ and pirs | range was |
| :--- |
| landed mostly at 1 . 17 . Tussday bulk |
| sold at $\$ 17.90$ and $\$ 18$, top being $\$ 18.25$ |

 market was a dime higher and Thursday
and Friday the trade was mostly steady Friday one deck of heavies scored $\$ 18.50$, but most of the sales were made from

$\$ 18$ to $\$ 18.25$ and pips, like on Thursday | $\$ 18$ to $\$ 18.25$ and piess. IIke on Thursay |
| :--- |
| brought up to $\$ 17.50$ Roughs, $\$ 16.50$ | to $\$ 16.75$ and stags 815 down. Receipts

last week were 27,800 head, as against 27,162 head or the week a Sheep and lambs.-Prices last we were generally lower and trading was
slow. Monday top lambs sold at $\$ 17$, Tuesday best lots moved at 816.75 and

$\$ 16.85$, Wednesday and Thursday bulk | $\$ 16.85$, Wednestay and Thussday bulk |
| :--- |
| landed at $\$ 86.75$ and Friday's range |
| 1050 | to good cull lambs sold anywhere from

$\$ 12$ to $\$ 15.50$, with a few up to $\$ 15.75$. Best wether sheep were quoted around
$\$ 11.25$ and $\$ 1.50$, and while top ewes sold Monday up to $\$ 11$, the next four days good fat ewes were hard to place
above $\$ 10.50$. For the past week receipts were 14,400 head being against 17,001
head for the week previous and 20,800 head for the same week a year ago
Calves.-Last week started with top veals selling at 814.75 and the next
thare days the bulk had to go at $\$ 14.50$. Friday's market was considerably im-


head, as compared with 2,167 head for
the week before and 2,525 head for the

## Toronto Produce

\section*{Yards, West Toronto, Monday, Nov. 19 | were 258 carss 4,8399 cattle; 246 calves |
| :--- |
| 2,595 | Choice butchers, strong and 25 cents higher; balance cattle steady except can

ners
which were 25 cents lower. Sheep
and calves stead and calves steady; lambs strong, 25 cents
higher. Hogs eighteen dollars, fed and <br> readstuffs.}

Wheat.-Ontario, No. 2 . winter, per
car hot, 82.22 ; (basis in in store Montreal.) in store, Fort Willian $2.231 / 2 ; \mathrm{No}_{2} 2$ northern, $\$ 2.201 / 2 ; \mathrm{No}$ northern, $82.171 / 2 ;$ No. 4 wheat, $82.101 / 2$
Oats.- (According to freights outside


 $\xrightarrow{\text { Barley. }- \text { Malting, } \$ 1.21 \text { to } 81.22}$ Peas. - According to
No. 2, 83.80 to 83.90 .
C.
C.
Corn-American (track, Toronto), No ${ }_{3}$, nominal. $\begin{aligned} & \text { Rye.-No. 2, } 81.75 \\ & \text { Fin }\end{aligned}$
Hagour- - Manitoba first patents, in jute
bass, 81.50 ; second patents, in jute bass \$11, strong bakers', in jute bate bags, $\$ 10.60$,
Ontario winter Ontario winter, according to sample
$\$ 9.90$, Montreal; $\$ 9.70$, Toronto; $\$ 9.70$ bulk, seaboard.

## Hay and Millfeed.

Hay.-Track, Toronto, No. $1, \$ 15$

$\$ 16$ per ton; mixed, per ton, $\$ 12$ to $\$ 14$. | ark, |
| :--- |
| Bran. - Per tor to |

Bran.-Per ton, 835.
Shots. Per ton, $\$ 42$; middlings, per On, 845 to 846 .
Good feed flour, per bag, 83.25.

Hides and Wool
Prices delivered, Toronto:
City hides.-City butcher hides, green
 to 86 ; city lamb skins, shearings and pelts
$\$ 1.50$ to
Co 82.25 ; sheep skins, 82.50 to $\$ 4$.
 cured, 18 c . to 19 c ; deacons or bob calf,
$\$ 1.50$ to to 81.75 each; horse hides, country take-of No. 1, 85.50 to 86 . No. 2, , so to 86
No. 1 sheen skins $\$ 2.50$ to $\$ 3.50$; horse hair, farmers' stock, 825.
Tallow.-City
rendered, solids, in barrels, 13c. to to 14 c.i. country solids, in
barrels, No. 1, 12c. to 16 c c.; cakes, No , 14c, to 16c.
Wool.-Un
(uality, fine, 60ched fleece woarse, $\$ 58 \mathrm{c}$, washed
Country Produce
Butter.-Prices kept practically stationary on the wholesales during the past week
selling as follows pound squares, 46c. to to 48c. per lis;; cream ery solids, 44 c c. to 4 4c.c. per lb.; dairy,
37 c . 44c. to 45c. per lb.
Egss. - Cold stora
Eggs.-Cold storage eggs declined on
he wholesales, selling as follows: No 1, 44c. per dozen; selects, 48c. to 49c. per dozen; in cartons, 53 c cer dozen. The
new laids firmed slighty selling at
net 58c. to 60c. per dozen.
Cheese.- Cheese remained unchanged in price: Old cheese selling at 30 c. per IID.
new at
new
24c. per Ib., and new
twins at ${ }^{24}$ Poultry. Per 1 Prices kept practically
 ducks, 18c. to 17 c c. per Ib.; fowl 1 itbs. and under, 13c. per Ib.; fowl over 4 lbs.,
$18 c$. per 1b. Geese, 12 c . per lb.; turkeys,
Honey.-Honey is still and thererore hish priced, suite scarrec, as
follow, wholesale: Extracted $5-1 \mathrm{l}$ and and
and

Der dozen.
Bans.
. The bean market is very firm. Hand-picked Canadians selling at 88
per bushel wholesale; the Indias going \$6.60 per bushel.
Wholesale Fruite Wholesale Fruits and Veg ables.
Apples are coming in freely Apples are coming ind ireely obters.
Snows and Spys selling at $\$ 6$ to $\$ 8$ per
bbl. Other varieties $\begin{aligned} & \text { going at } \$ 3.50 \\ & \text { to } \$ 5 \text { per bbl.; British } \\ & \text { Columbia, }\end{aligned}$ boxed at $\$ 2.25$ to $\$ 2.75$ per box: Nova Scotias at $\$ 4$ to 87 per bbl.; Washington at $\$ 2.50$
to $\$ 275$. Artichokes were fairly plentiful, selling at 40 c. per 4 -qt. basket.
Bees have not been very plentiful, bad. Bussels Sprouts arrived freely selling at $12 \frac{1}{2}$ c. to 15 c. per qt. box.
Cabbage has advanced in price, selling ar $\$ 1.75$ to $\$ 2$ per bblilently selling at 65 c . $\begin{gathered}\text { C } \\ \text { to } \\ \text { Cauliflowers }\end{gathered}$ have been quite plentiful and of fair or choice quality selling at
$\$ 4$ to $\$ 5$ per bbl., and $\$ 1$ to $\$ 1.50$ per case ${ }^{(27}$ Celery brmed a trifle selling at $\$ 4.50$ Cucumbers. -Hot-house cucumbers came in in small lots- the imported
selling at $\$ 275$ to $\$$ ser do selling at $\$ 2.75$ to $\$ 3$ per dozen and the
home-grown at $\$ 2.75$ to $\$ 3$ per 11 -qt. basket.
Onions continued quite firm at $\$ 3.50$ Columbias and $\$ 2.75$ per $75-1 \mathrm{lb}$. bag for the home-grown variety.
Potatoess have been wavering in price
from $\$ 2$ to $\$ 2.10$ per bag- frming slightly towards the end of the week and bringing $\$ 2.10$ tornips are a very slow sale at 60 C Turnips are a
and 65 c. per hag

## Montreal Produce

Horses.-Very few horses are changing
hands. The supply was quite light, so that the tone of the market was firm. Vuite a number of horses were purchased purposes. Prices were steady ar carters
heavy draft, weig hine 1,500 to 1 , 100 lows eeayy draft, weighing 1,500 to 1,700 lbs.,
$\$ 2255$ to $\$ 275$ each; light draft, 1,400 to 1,500 lbs. 8175 to $\$ 2255$; ; mall horses, 8150 to $\$ 200$ each; culls, 875 to
$\$ 125$ eachh chioce saddle and carriage orse, 8200 to $\$ 250$ each.
Poultry.- Very little is being displayed
for sale, and it would seem that the offerings are not so large as usual, although
it is considered that prices it is considered that prices are, if any-
thing, relatively lower than usual by comparison with other meats. The stock offering was not of particularly good
quality on the whole, as farmery do appear to be fattening it. Wholesalers claim to be getting 27c. to $331 / \mathrm{sc}$. for chickens, which is 5 c . to 6 cc per per lb.
higher than a year ago. Turkeys and geese sold at much the same price as a year ago, namely, 32c. for turkeys and
20. for geese, finest quality being alluded . Fowl were 22c. to 26c., which is about 4c. to 5 c . up , while ducks were
ittle dearer than a year ago at 26 c . Dressed Hogs.-Abattoir-killed, fresh
hogs sold at at 241/2c. to 25c. per lib., and hogs sold at $241 / 2 \mathrm{cc}$ to 25 c . per lbe, and
country dressed at about lc. under these igures.
Potatoes.- There was not much change p potatoes. Car lots of Green Mountain
vere quoted at $\$ 2.20$ to $\$ 2.25$ per ${ }_{90} 0$ lbs., ex-track, while Ontario and Quebec were quoted at $\$ 1.65$ to 81.85 for
80 lbs ; 1 Oc . to 20 c . is added for smaller quantities.
Honey and Maple Syrup.-The market was fairly steady, with No. 1 white clove omb honey bringing 21 c .; No. 2, 19 c .
and No. 1 brown clover comb, 9 cc . wit No. 2, 17c. White extracted sold at
 in, according to quality, and sugar Eggs.-Strictly new-laid eggs were
quoted at 53 c . to 55 c . in a wholesale way, though some think this is too low. Select were 47 c , $\mathrm{No}$.1 candled, 43 c, a and No. 8
candled, 40 c . per doz. The market is candled, 40c. per
teady and firm.
Butter.-Prices strengthened slightly and finest Sept. and Oct. butter wa quoted at 45 c . to 451 y c, wholesale, with
fine 1 Ic . less. Fall makes were 43 c , and Ces ict 40 C . per Ib. Rid 213 ${ }^{2}$ No. 1 cheses: $21 / 4 \mathrm{sc}$. for No. 2, an 20 ${ }^{3}$ c. for No. 3.
Grain.-No. 2 Canadian Western oats were quoted at 82 Cc ; No. 3 and extra No. 1
feed, at 80 c .; No. i feed, 79 c .; No. 2 feed, 612c.; Ontario No. 3 white. 77 c.,. ex.
Coxatian 3 -lb. picker beans
tore. $88.50 ; 5$-1b., 88.25 ; yellow eyes 87.25 , and
Japan beans 88 per bushe Japan beans, 88 per bushel.
Flour. - The market was ung ang ed a


THE FARMER'S ADVOCATE.
NDED 1866 -


Western Ontario Women's


Institutes in Convention.


Covimber 22, 1917
IHE FARMER'S ALVOCATE 1819



D

Mrs. Brethour

D

The immediate need is greater production. acres of land," said the speaker. "If you encourage us we'll do our dead level best. All cannot go to the front, but we who
are left can work, work," work." Our solemn duty now is for the troops at the how, and when they return. . In passing Mr. Smith put in a good word for
the loyalty of the German Canadians the loyalty of the
in Waterloo County.

After some spirited discussion by the members, on various topics, the following esolutions were read by Miss Coutts, of
Thamesville, and adopted by the conven-

Whereas the prevention of venereal diseases, not only in military but also a great menace to society; be it rea great menace to society; be it re-
solved that we, the Women's In-
stitutes of Western Ontario, titutes of Western Ontario, assembled in convention at London, desire to

1. That it give wide publicity to he exter province mayses, in order that our province may know what 2. That whereas 80 per cent. of fe feeble-minded, and medical authorities have shown that the
problems of feeble-mindedness and problems of feeble-mindedness and
immorality are closely interwoven, action be taken to segregate all feebleminded children and adults, and that an appropriation be made for the $q_{3}$ uired for segregation.
nake venereal diseases isolatable, as are all other contagious diseases.
And be it further resolved that we, the members of the Women's Institutes of Western Ontario, pledge
ourselves, both as individuals and as ourselve
2. To make earnest endeavor to cquaint ourselves with the moral 2. To let no false modesty or
owardice hinder us from taking locally, whatever stand investigation hows to be advisable.
And finally be it resolved that we education of our youth and the pro-
vision of wholesome recreation and vision of wholesome recreation and things pre-eminently needed to stamp out the evil of immorality. It was also announced that Mrs. (Dr.)
Wilson, Parkhill, and Mrs. McNaughton, of Mooresville, be appointed a Medical Committee, and Miss McIntosh, of Park hill, suggested that any questions the
members desired to ask might be sent to Mrsbers desired to ask might be sent to
Mrs. Wilson. After an expression of the deep sense
of loss the Institute had suffered in the death of Miss Maud Hotson, Parkhil and votes of thanks to the Y. M. C. A.,
Council of the city, the Canadian Club,
Local Council of Women the Local Council of Women, the Elgar
Quartette, and Mrs. Edwards, Komoka, Quartette, and Mrs. Edwards, Komoka,
to whom so much of the success of the meetings had been due, the convention

closed. | closed |
| :---: |
| In the afternoonn the delegates made | a trip to Byron

vided by the city.

Parcels For Prisoners of War.
PAll parcels from Canada to Officer
Prisonerst of War internee in in Germany of


 England
be sent to ame of foodstuffs which may be sent to an officer prisener of war during

 including those attached to onthor than
Canadian units
not less than six ten

 appliation from the trisoners of War


The right to send food parcels to an officer prisoner of war rests with the next person. It is advisable that application should be made to the Prisoners of
War Department, Canadian Red Cross War Department, Canadian Red Cross
Society, London, England, for the necessary coupons for parcels packed per-
sonally at the earliest possible moment sonally at the earliest possible moment
These coupons are to be used on food parcels only, and no coupons can be issued for amounts under ten pounds.
If, therefore, it is desired to despatch a parcel weighing less than ten pounds any prdinary coupon must be used, and the in four weeks.
Articles may not be sent to any society Articles may not be sent to any society
for enclosure in any parcel despatched
under the Red Cross label. portance of guarding against any misuse of the label cannot be toostrongly emphas ized. Such action would not only harm
the prisoner to whom the parcel was ad-
dressed but would react on other dressed but would react on other prisoners and might endanger the whole system of
despatching the food supplies to officers despatching the food supplies to officers
and men who have fallen into the hands of the enemy.
Parcels for officers interned in Bulgaria Parcels for officers interned in Bulgaria
and Turkey come under the new scheme. and
Owing, however, to the difficulties of of postal communication, it is not advisable camps. Supplies can be purchased in Asia Minor, and, it is better to remit
money to the prisoners rather than send money to the
many parcels.
This new sct
cels containing foodstuffs for officer prisoners of war interned in enem countries, and does not affect in any way
the present regulations governing the the present regulations governing the
transmission of parcels to prisoners of war other than officers.
The needs of officer prisoners of war
holding commissions in the Imperial holding commissions in the Imperia Prisoners of War Committee, ${ }^{4}$ Thurloe
Place, London, S.W., England. This Place, London, S.W., England. This
Committee will supply the necessary coupons to the next of kin of these officers for parcels addressed to them which are
packed personally.

## Hope's Quiet Hour

The Tent-dweller's City By faith Abraham, when he was called
obeyed to go out into a place which $h$, was to receive for an inheritance: and
he went out, not knowing whither he went. By faith he became a sojourner in the land of promise, as in a land not his own, having taken up his abode in with him of the same promise: for he tions, whose architect and maker i

I'm but a stranger here,
Heaven is my home
Heaven is my home
Only a soiourner,
Heaven is my he
Danger and sorrow stand
Round me on every hand;
Heaven is my fatherland,
Heaven is my fatherland
Heaven is my home.
"What though the tempest rage,
Heaven is my home
Heaven is my home,
Short is my pilgrimage
and
Heaven is my home.
And time's wild wintry blast Soon will be overpast;
I shall reach home at last,
Heaven is my home.
The chapter from which our text is God's Great Honor Roll. When His
list of heroes is complete the veil will be removed, and the King will confess befor man and angels the saints who have
bravely confessed Him on earth. It has
been suggested that in addition to the
"red-letter" and the "black-letter" saints"
davs in our Prayer-bool wo should heve "red-letter" and the "black-letter" saints'
days in our Prayer-Book we should have
"khati-letter" saints' day- days set
apart in memory of our soldier heroes, who have laid down their lives for us in
the Gireat War. Every day in the year
would not, be enough, if each khaki-
clad "saint" were to have a day to himself.
But I clad "saint" were to have a day to himself
But, I am sure those humbleminded lad
don't want to be put up in a saint'
miche. The "khaki" color is sacramental -the outward visible sign of unobtrusive ness. The color was chosen because is the spirit of every real hero. He is not
seeking for praise and glory, but is quietly trying to do his duty unobtrusively. tents on earth, instead of building up
walled cities as if they expected to live walled cities as if they expected to live while to pile up enduring possessions in while to pile up enduring possessions in through the wilderness, as strangers and pilgrims, looking for an eternal in heritance
in the City of which God is the Architect in the City
and Maker.
We have discovered lately that the
greatest earthly cities are far from secure Earthquakes may shake the buildings from below, bombs may shatter them from above, kings and emperors may be roughly shaken from their thrones,
millionaires may become beggars, strong men may suddenly become weaker than
little children. We find ourselves in world that is shaken to its foundations, and it is time we turned our attention
to those things which cannot be shaken. Every day we can read in the paper Every day we can read in the paper selves, who have finished their pilgrimage
here and been called to meet their God Soon-perhaps much sooner than we think-we shall be forced to leave this familiar earthly home and find out by actual experience what lies beyond the
Great Adventure, which we call "Death" We are dwelling in tents- not in enduring houses-are we looking for a city which
has lasting foundations? It was said of the heroes of old: These all died but having seen them afar off, and were persuaded of them, and embraced them,
and confessed that they were stranger and pilgrims on the earth. For they and pilgrims on the earth. For they
that say such things declare plainly
that they seek a country". Dare we, who see so many young men bravely
laying down their lives that others may live, dare, we in the face of this great
khaki-clad multitude of heroes-waste our lives in selfish living? Listen to
these weighty words, written by Robert
Herrick about those who "went to the Great War and died." He says:
"In their going they left for the others
who lived, who were to be born, a tremendous legacy of honor and noble responsious legacy of honor and noble responsi-
bility. By watering the soil with their
blood they have made it infinitely more blood they have made it infinitely more
precious for every human being that precious for every human being that
treads upon it. They have helped to
make life more significant for those who remain to mourn them. It can never be quite the same commonplace affair,
so lightly, cheaply spent, as it had been sofore. They have not left behind
befly them joy, but faith. And that is why the
faces of the earnest living who are able aces of the earnest living who are able
to realize this sacrifice of youth have a grave sternness in them which touches even the most careless stranger. Some--
thing of the glory created by the dead thing of the glory created by the dead
and the wounded radiates out even to us in a distant land.
When three of David's mighty men
broke through the enemy's army isking their lives in order to bring him hem, he felt that the gift was too sacred or his use, so he poured it out on to the
Lord, saying: "Be it far from me, 0 tord, blood of the men that went in jeopardy of their lives?" Cesterday I saw in the Canadian honor roll the name of a young cousin of mine.
"He died for his country," as so many have done. Dare we accept these splendid lives, laid down so willingly for our safety,
and waste our time in selfish living? Shall and waste our time in selfish living? Shall
we not pour out our lives unto the Lord, in prayer and willing service
Our time on earth is short-only God
knows how soon the journey may end.
Like soldiers on active service we knows how soon the journey may end.
Like soldiers on active service we must not hamper our usefulness by making
ourselves dependent on luxuries. If we have pain to bear, or unpleasantnesses to put up with, why should we worry
and fret? Our business in this world
is not to have an easy time; yet we grumis not to have an easy time; yet we grum-
ble and complain when we can't get our way, as if only the people who are given are making a success of life.
Let us look ahead a little. A year
from now it will matter very little to whether we were comfortable or un-
comfortable to-day. After death we
were when we were far from heroic we to "endure hardships as good soldiers of Jesus Christ:" The young lives poured out before
the Lord are not wasted. The Son of David walks with thase happy warriors as their everyday Comrade in the Pariors
of God. He calls them "friends."
"Ah, faithless hearts! who speak of sacrifice
As ' 'waste'; have ye not read
of Him who gave His own life
To bring us from the dead?" the price dead?"
The Shadow
Shapeless and grim,
A shadow dim
A shadow dim
O'erhung the
And darkened all my days. And all who saw
With bated breath With bated breath,
Said, "It is Death!'
And I' in weakness And I' in weakness
Slipping towards the night, Slipping towards
In sore affright
Looked up, and lo
No spectre grim,
But just a dim
A face like Christ's own Mother's face
with tenderness and grac
"Thou art not Death?" I cried, For Life's supremest 'fantasy
"Had never thus envisaged Death to me
"Thou art not Death, the End?"

In accents winning,
Came the answer, "Friend
There is no Death!
not the end.

## The Ingle Nook.


 place it in stamped envelope reardy to to eent oin
(4) Allow oue month in this Department for
answers to questions to appear.]

HE other day a woman was making a trench sweater and all over the
inside were knots where she had joined yarn that had been broken off at the joining of a new skein. "I must cut not show so much,
Another woman in the room said Here, let me show you.'
She took two ends of the yarn, ravelled them out for three or four inches, pulled
out a couple of the strands and broke out a couple of drew the others together overlapping them for the full length of
the ravelled portion. This done, she the ravelled portion. This done, she moment, and behold! - yarn that looked
just like the rest of the yarn and knit just like the rest of the yarn and knit
up splendidly without the necessity for up splendidly without the necessity
a knot.
"nou can do the same when knitting socks," she said.
-Perhaps you knew this before,
perhaps not. If not you will be glad to
IAVE you heard that recently a whose aim is to teach people how to take care of their feet? The account
of it appeared in the papers the week after I gave you my screed on the high-
heeled people in the park, and so I was heeled people in the park, and so I was
especially interested in it. Doctors and nurses addressed the
Ditial meeting, coming down, one and all initial meeting, coming down, one and all,
on high heels and narrow toes. Many on high heels and narrow toes. Many
diseases in other parts of the body rediseases in other parts of the
mote from the feet, the doctors stated,
are caused by high heels, and it is not are caused by high heels, and it is not
hard to see that this can be so, since hard to see that this can be so, since
high heels not only jar the whole body with every step, but throw it out
balance so that the gait is entirely unnatural and the whole system under
continual strain. After all it is rather Continual strain. After ath in the improve on things as the Creator hard to improve on things, is it not?
made, or developed, them,
Yesterday afternoon a very trim and Yesterday afternoon a very trim and
sensible little woman was in the Ingle Nook den, and the co
on this subject of shoes. on this subject of shoes.
"Our taste is a great deal a matter of
what we are accustomed to seeing."
the wasp waist was considered beautiful
and all the women cultivated it. it is looked upon as a monstrosity. It's nould think the high ones monstrosities" She espoke very truly. The wasp waist
proved injurious to the health, and so,
after a hard struggle on the part of a proved hard struggle on the part of a
feter atreformers, it was banished. The
fet fee" reformers it was banished. The
high heels of to-day are proving injurious also to the heal the Then why not
banish then, with the wasp waist, into the limbo of the half-civilized past where
they belong? they belong
$W^{E}$ were talking about ventilation. up all winter, and II always open half way dreat up alt winter, head. I don't keep it up
oclds in my heal
more than a few inches now, and I don't have the colds in my head nearly so often." My experience has been the same. In
my office I sed to keep the window
open a goot or more. I sat in the
daunht was unequally open a good toot or more. Is at in in the
draught, was
often Talking with Dr.. Hill of the Institute
of Public Health in this city about it of Public Health in this city about it
threa ofor years ago ene said, in effect:
That tis the old-fashioned idea of ventila. tion. The new one is, rather, to keep the air moving, if possible a current coming in
at one side of the room and out at the at one side of the room and out at the
other IS o olon as this is accomplished
ohere is no need to freeze oneself and
and keep uncomfortable in the house. The
air may be kept moving by keeping a air may be kept moving by keeping a
wind ow at one side of the room open at
the bottom for about an inch, and another on the opposite side of the room down
at the top for about an inch. When the at the top or about an inch. When the
windows are quite closed an open free
in a stove or in a grate is a a aod ventilator ina stove arc ina gure grete isa goon ventilator.
Of ourse, doors or windows should be left open frequently, for a short time, to
drive out unpleasant odors: When houses are built properamy, adequate ventiousing
systems will be installed. IIt is a systems will be installed. It is a
fact, however, and the reason is not
known exactly as yet known exactly, as yet-that allogelher
outu-f.dor living is good for people,
if it can be managed. People who can if it can be managed. People who can
live out of doors, night and day, and keep warm and comprtable at the same time, I suppose this accounts for the efficacy
of open-air sanatoriums (my own ob

To fnish my story: I tried doing as Dr. Hill said. For the past two winters
one of my office windows has been raised voat an inch at the bottom (warme days) and the other on another side of
the room lowered a little at the In my bedrowered there is a window only
on ond In my bedroom there is a window only
on one side, but during cold nights it is
raised only three or for inche ht night raised only three or four inchee at night,
the hot-air register on the opposite side being depended upon to help keep a
current of air on the move. During the two winters I have not had a singhe cold
except once when I got my feet wet. except once when I got my feet wet.
Now " perhaps I had better "knock on
wood" The damage is done, Dr. Hill says,
when a layer of dampness, caused chielly lies there, as it is is sure to to when one is lying asleep unless there is a constant
moving of the air to drive it away. It
is very bat overynd over, as it it is full of carbon
dioxiand of to beath
 air striking on the unprotected body
in a house are also likely to do harm.

Needle Points of Thought. "Help me to need no aid of men, "Knowledge is incompatible with

## House Plants in Winter.

A $\begin{gathered}\text { feve house plants add so greatly to } \\ \text { the appearance of a house, espe- }\end{gathered}$



almost continuously. Among these may
be mentioned the Boston fern, rubbe plant, begonias, and some of the palms.
But if one has a cool cellar or outdoor puth in which plants, may be rested and ing also a few that are grown chienty for
the beauty of their flowers. Most of the flowering species require a complete rest during some epart of the year, or, at least, contunual renewing by means of slip
By this sort of cold-storage system, too Plants may be brought up at interval hence a succession of bloom assured. be more explicit, a shelff of rosurt may be be
kept dormant, and some bulbs iust at the extension of their root-growth development, in a cool, dark place in the cellar.
the roots almost dry, the bulbs fairly the roots almost dry, the bulle charialy
moist but prevented from maki faily growth by the darkness. If brought up to the light and warms. of the house at
intervals of say intervals of say two weeks, these plants
will come on in succession and so witr come on in succession, and so a con-
tinuus period of boom will be assured
A wath must be kep the bubs how-
ever, as when they bexin to make tow ever, as when they begin to make top-
growht it in ot well to leave them in the
darkness darkness much wonger. The same holds
good in regard to other plants that begin to throw out new sprouts. The period
for resting, or for root-development in bultresting, or for rot-development in
best successially about 8 weeks. The best succession of bulb-fowers is secured,
perhaps, by planting the bulbs at intervals
of of two weeks. Previous to planting, all
bulbs should be kept in a cool place, as a hot, dry place has a tendency to shrivel
them.
$T^{\mathrm{HE}}$ soil for Soil.
$\prod_{\substack{\text { HE soil for house plants is an im- } \\ \text { portant matter } \\ \text { is that } \\ \text { Varry } \\ \text { good sood soil }}}^{\text {from about the }}$ roote grass in old sod. When consider-
able quantities are required, the sods are
som abole quames piled on tequired, the sods are
some another and
permitite permitted to rot. Most plants, , however,
do very well in good garden soil, doctored
a liftle
For instan leaf mould and sand may be added to make it porous. If too sandy some well-
rotedd manure and leaf mold may be needed. Bog plants, naturally, do best in
the peaty mold from the peaty mold from a swamp.
To do away with the possibility of
warms or grubs in the soil (these may hatch out from almost invisible eggs)
many people resort to the device of baking any soil and manure used, in the oven. Of course, the smell, during the opera-
tion, is uste fearsome, but open doors
and windows will soon carry it all away.

## The Kitchen.

$I^{N \text { the winter, on a farm where gas is }} \begin{gathered}\text { not used for cooking, plants do best } \\ \text { in a did }\end{gathered}$ steam enough to keep the air fairly moist. If kep in other should be always, a dish of water a practice that helps, also, to keep the house warmer
Nearly all
lieht, but, as placing them colose to the
glass in cold weather is likely to prove disastrous, it is usually best to keep them
on a table iust inside of the wido on a table just inside of the window, or
on a shelf screwed to the inside of the window frame
If possible they should be in a spot
hhere cold draughts of wind will not blow Where on on then; they need plenty o
direch
fresh air, but it should be admitted inf directly, not in a cold current.

## $P^{0}$

 OSSIBLY More plants are injured bywrong watering than in any wrong watering than in any other
wa. a geneal rule is to give whenever the soil becomes dry, so that
the pot gives forth a hollow sound when
 however, must be moditied to suit certait
kinds of plants. While, in the majority of plants, too much water causes a sort
of indigestion, others- the bog plants, for instance - need to be steeped with it most
of the time. For ordinary watering give just en ough so that a littte escapes throuvg
to the saucer.
During the resting period to the sacuce. During the resting period
a few plants require to be practically bone drew plants require te be practicat most of them ned just enough water to keep them from drying out.
Most plants, during the growing season, require frequent sprayings and washings
to remove dust and keep the breathing. pores open. An exception must be made
oo tex begonias, the pelargonium and
other specis. whose eleves sot or bister
with water. Smooth-leaved plants, as a general rule, like frequent washings and
sprayings of the levas, while hairy.
leaved plants resent it
$A^{\substack{\text { sharp lookout must be kept for in- } \\ \text { sects on } \\ \text { Use the . leaves and stems }}}$ Usualy spraying every day with
water, (or washing byinerting the plants
in water) will keep these in abeyance but if they appear it may be necessary to use one of the solutions sold for the purpose.
Sulpho-tobacco solution whale-oil soap for scale, are good, but are
rather smelly rather smelly in the house EBe Baiele, recom-
mends instead fir-tre oii and Gishurst's mends instead fir-tree oil and Gishurst's
compound. For lice spraying with to-
baco If worms seem to be in in the soil saturate
it witan it with lime water, or, still better, re-pot
the plants, washing the roots clean,
Whe When potting plants always bake the soil
in the trouble with grubs of all kinds. keep the plants from freezing at night. A good plan is to have a large box well.
lined with old woollen cloth or several layers of newspaper. Bring this into the
warmest corn it and put on the lid. If more convenient the box may be nicely painted outside
(brown or dark green) and the plants
placed on it in daytine.

Some Satisfactory Plant
$I^{N} \begin{gathered}\text { the lists given in thispaperonly those } \\ \text { plants which can be srown in }\end{gathered}$ plants which can be grown in any or-
dinary house shall be included, and an attempt will be made to give some in-
dication of the specific treatment required by the different speniies
Abutelon or Flowering Maple-Very Abutelon or Flowering Maple-Very
beautiful, and should be more frequently grown. Leaves maple-like; flowers bell-
shaped streaked and shaded, in in bloom in winter. Grown exactly a a are geraniuss. Propa-
gate by green cuttings at any time of the Eear. Keen fairly dry during summer.
Apapanthas - Lify.like Agapanthas.- Lily-like leaves and
handsome tufts of blue flowers in early summer. Grow in tubs, keeping dor-
mant during winter in alight When growing give plenty of water, and,
occasionally, manure water. Not too occasionally
much sunshine. manure water. Not too Asparagus.-The two species chiefly
grown in houses are spreneeri and ply. grown in houses are sprenereri and pplu-
mosus. The first of these has racemes of tiny, white flowers followed by red and black berries, but few people manage to have either fower. Very easy to arow
otherwis. Put plenty of drainage material in pots, a rich soil, and plenty of water In the hot spring and summer remove to north windows or verandah away fron
the sun. Shift to larger pots as needed the eun. Shift to larger pots as needed.
If insects appear use plant powder for
insect insects.
Aspidistra.—Plants grown for their stiff, shining, decorative leaves, as the flowers
are very inconspicuous and borne close to the ground. Very easily grown, cose
longas it is given plenty of water. Soil
log shourd be nearly half sand. Will do do
very well in cool, poorly-lisht A stilibe.- Plant with white flowers, re-
sembling some of the spiras. Leave sembling some to the spireas. Leave
roots in garden or cold cellar covered
When water. wanted tot and give plenty of 14 weeks should be in
In flower. Flowers in winter and early spring. Kicuep in a coll window
Auricula
or Primula. from sed sown in March in very sandy
soil. If lpants are bought in fall keep in
coin window and cool
during the dull winter months. Towards end of February give more water, waso ad
top dressing of pulverized sheep manure, top dressing of pulverizee sheep manure,
and put in a light, airy place with tem-
perat 55 degres perature of 55 degrees. The pots should
be well-drained, and no larger than will

## (To be continued.)

## The Cookery Column.

## Brussels Sprouts.- - Brussels sprouts and kale are best after touched with frost

 frost in the garden. The sprouts arevery nice as follows: Boil one quart of them in 2 quarts salted water about
15 minutes. Drain, then put pan with a scant fourth a cup of butter; toss about until the butter is absorbed.
Sprinkle with 1 teaspoon chopped parsle and a dash of salt. Mix and arrange on
a hot platter with bits of fried bread about. Boiled Apples.-Wash the apples
and put them in a kettle, just covering
with water. Do not peel or core. Boil until they. break, then add core. Bugar and
boil a little longer. Serve with a dot

Browned Carrots.-Clean the carrot With a small brush and scrape just a boiling salted water, ustrips and cook in in water to cover. Drain, reserving the
water for adding to soup stock, wasting none of the medicinal value Plabe the carrots in a pan with 2 table
spoons butter heated. spoons
sprinkling of sugar. Cook very slowly until the butter is absorbed and the carrot with salt and perper dish. Many people spoil all the vege tables they cook by turning them out into cold dishes. Half cold dishes that
are supposed to be hot are never appetizing.
Buttermilk
gether 3 tablespons Muffins.-Cream to ${ }_{2}$ spoons sugar. Add butter and 2 tabledissolved buttermilk in which has been very quickly, $1 / 2$ teaspona then, beatin cups flour sifted with 1 teaspoon baking
powder. Put in hot greased muffin tins or patty pans and bake in a hot oven. Barberry Sauce.- Pare and slice 3 pears,
nearly cover with boiling water and cook
until pound brown sugar, and 2 berries, and boil 15 minutes, Puarts Par
may be used instead may be used instead of the pears.
Apple Chutney.-Take 5 lbs apples 2 qts. cider vinegar, 2 ake 5 lbs. brown sugar
2 lbs. seeded raisins, 1 onion, 2 lbs. seeded raisins, 1 onion, 1 oz. each of ground mustard seed and ginger, 1 table-
spoon salt, 3 red peppers or $1 / 3$ teaspoon cayenne. Cook together or the apples,
vinegar and sugar, vinegar and sugar, weighing the apples,
after they have been pared and cored. after they have been pared and cored
When they are soft add all the other ingredients and boil for 10 minutes. Set aside to cool, then bottle.
Maryland Maryland Chicken.-At this time
of year many people are killing off the
old hens for meat. Remember the old hens for meat. Remember the any old hen may be made into chicken
by cleaning it and steaming it several hours, untit it tender. To make Maryland
chicken, joint a chicken, joint a tender chicken (or a
hen prepared as above). Dip each piece fry in bacon fat until a light brown Take it up and put in a hot covered dish in the oven while you make the gravy
as follows: Strain the fat and add to it 1 tablespoon butter rubbed smooth with 1 tablespoon flour. Stir until cooked, then add 1 cup rich milk or thin cream,
and stir until smooth and thick. Add and stir until smooth and thick. Add
1 tablespoon minced parsley and pour

## Care of Lamps.

In winter when people have to live
so many hours by artificial light, the care of lamps becomes important, and
the following hints may be useful. Clean the burners frequently with a small brush, picking out all openings
clean. If the holes become clogged the clean. If the holes become clogged the Putting the chimneys in cold water, letting it come gradually to a boil and
boil for a time, is said to make the boil for a time, is said to make the
chimneys less likely to crack. If new lamp wicks are soaked for an
hour or two in vinegar then dried before hour or two in vinegar then dried before
being put in the burner, a far better lesh will be obtained and there will be The chance of smoking.
is too small there is danger that the flame will run down to the oil and cause explosion. If it is too large draw a
few threads from the middle, and it will fit readily.
Always have a strong shelf on which Re lamps are kept during the day.
Require each member of the family Re bring down the lamp from his or her
room in the morning; then, when time oom in the morning; then, when time
comes to clean the lamps, the work can be done without needless the worning up and down stairs.
By the way
By the way, very ornate lamps are
not considered in good taste. Those wot considered in good taste. Those
with dull pottery globes in dark green
brown, buff, old blue or brown, buff, old blue or gray are the
prettiest, and, if one cannot afford them prettiest, and, if one cannot afford them
it is best to keep to those with plain glass plobes.
The prettiest shades are those made of "crafts" frames in wood, of basketry,
or of a simple wire foundation, with silk for the "transparent" part, The silk should be of the "Japanese" weave,
in amber, yellow, green, or rose. For in amber, yellow, green, or rose. For is pretty, but likely to be rather tiresome
to the eyes if used too often, while green
is used chiefly for reading lamps, as it is


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Stratford, Ont.
d

$$
{ }^{p_{1}} \mathrm{p}
$$ instead of of the silk. muslin may be

Usually the
plain materials are frilled on, while thed ones may printed ones may be straight to show he pattern. When a basketry frame
is used for the shade a pretty idea is to the bowl of the lamp, if one the right size and of similar pattern can be found.
Bead fringes are no longer used much on Bead fringes are no longer used much on
lamp shades, which look better without lamp shades, which prok better will finished with
them if the edge is pretile a narrow ruffe or rouching, or, in the case of chintz, a pretty braid.

## $-$


$t$
 Coat and skirt hangers are very cheap at "Woon worth'", and every house should
have a plentiful supply of them. A fair
substitute for the substitute for the coat hangers (which
may also be used for waists) may be made
nat of old barrel hoops covered smoothly
with strips of cloth wound round and with strips of cloth wound round and
round Put a strong loop of cord in the
middle to hang the contrivance up.

To Clean Rusty Tins,
Rusty tins may be cleaned by rubbing
them well with a wollen them well with a woollen rag dipped frst
in coal-oil then in sifted ashes. Wast with hot soap-suds, wipe thoroughly and
dry.

Hemstitching by Machine.
Hemstitching is the favorite finish at
present for many things, including waists and curtains of scrim etc. Many stores
do this work now at a rate do this work now at a rate per yard, bu
it may be done at home as follows. "Draw It may be done at home as ioliows. Draw
threads as if to hemstitch in the usual
. way; turn them slightly over the drawn
or loose threads and stitch down, using an ordinary loose machinestitch it it
double hemstithing is desired, stith
next to the last thead on the outside next to the last thead on the outside.
To make it look like real drawn work, I
caught three or lowe caught three or four, as desired, of the
threads is ite middle and went down the
tength of threads in the middre and went down the
length of tue curtain The metho i is
just as good in narrow hemstitcthing with. just as good in narrow hemstitching with-
out doing any work by hand, and the
method method is apparent only upon close
examination." ${ }^{2}$ C. S.

Covering an Ironing Board.
A practical and ideal way to cover an
ironing-board is. to first starch the cover
stiff then whilis it it stitl set to strectcv h
on the board, and When it is almost dry, iron carefully
If this method is followed, the cover will not only remain wrinkleless but will
also last three times as long as when put
$\qquad$ Put a pole or a slat turned edgewise
Pos the clothes closet and supen the coat and skirt hangers to this. it it
is surpi ising how many clothes can be packed into a small space by thins sinmple
device. If the bedrooms are insufficiently device. ITthe bedroms are insufficiently
supplies with llosets make one for each
room as follows: Secure three wide ends of the closet, one to go arcoss be
tween them for the top. Nail hem in tween them for the top. Nail them in
place, and nail a brace in at the bottom if necessary. Put a pole across as
described above, paint the baords nicely or cover then with wall-paper, and hang
curtains across the front.


## TheBeaverCircle

Jim, the Pay-roll Cat. (A True Story.)
Bewildered, frightened, hungry, gaunt, A vagrant of the street,
He crept for shelter, one hot day,
IWith
Though deafening was the presses'crashOf a great printery,
A paraidseit seemed to him
So spent and bruised was he
And in this place, all undisturbed Tho city streets, with grateful heart In peace he made his home

A fine reserve, born of his woes,
Bade him hide safe from sight, But on patrol, sharp-eared keen-eyed,
He stalked the place ach night.

And predatory rats and mice
Grew daily less and less In truth a paradise it seemed,
These paths of pleasantness.

To one alone did he respondHis call gray Jim neerer failed to heed Wis cafl gray Jim ne er failed to heed
With every mark of joy.
Upon his shoulder he would spring About his tasks would follow him, And purr around his feet, When the steam whistles blew at twelve, Though 'twas the office noon

But when at one the whistles shrilled, Quick as a flash he sought
His friend, he boy ('twas then he dined),
io To share the food he brough
"Why, Victor, do you always, lad, Your lunch share in this wayy"
The master asked, as he observed , Quick on the pay-roll went the name Gainst fifty cents, his weekly wageAnd low enough at that

For keeping office foes at bay And order in the house;
No longer could be seen or heard

Quite dignified and proud puss looked, Said all who noted him,
When every pay-day was passed out hen every pay-day was passed our
An envelope marked "Jim".

Ever alert, his place assured,
Now sleek, content and fat,
A valued member of the firm
IS Jim, the office cat!
Little Bits of Fun. Difficult Feat.-The school-girl was the aisle, and was busily chewing gum, when the teacher espied her, "Mary!" called the teacher, sharply. "Yes, ma'am?" questioned the pupil. put Take that gum out of your mouth and Union.
Bobby had been invited out to dinner
and his mother worried lest he should commit some breach of etiquette. On his return home she questioned him as to "how he had , bell, mamma," he said, "I got along very well until
while I was trying to cut mine it slipped
off on the floor. But I made it all right, off on the floor. But I made it all right,
mamma. "What did you do?" "That's always the way, with tough meat. Senior Beavers' Letter Box. Dear Puck and Beavers.-This is my I live on a farm of one hundred acres. It is too small for us so in the spring we
are going to have a sale and move out
west to Saskatchewan. We must be out there be pretty early.
I would like to tell you what ourschoo has done to help during the present war. We sent money to the poor Belgian
children and have helped the Red Cross several times. Now we are packing up Cess soldiers. Some of the things containe in them were: Chocolates, gum, soap tobacco, cigarettes and a number of othe things. I guess I will clo
Circle excellent progress.

Beatrice Boucher, (age 12).
R. R. 2, Stittsville, Ont. P. S. - I hope the waste-paper baske is asleep when this enters.
Dear Puck and Beavers.-This is my third the w. p. b. and one was printed We take the Farmer's Advocate and like it very much. I go to school every
day and help my father on Saturday. day and help my father on Saturday.
I have harrowed the summer fallow three times. My little brother, John, is not
yet five years old and can milk two cows. yet five years old and can milk two cows.
The picture is one I took of him milking one of his cows. I would like to see it passing my exams in July. My teacher's
name is Miss Lett and we all like he very much. Hope
the w. p. b. this time.
R. R. Lloyd E. Wilcox, (Age 12).

Your pictures are very nice Lloyd, but were hardly clear enough to make cuts from. I am sure you will have much fun

Dear Puck and Beavers.-I thought I would write to the Farmer's Advocate to-night as I had nothing else to do.
In the autumn Glen Morris is a pretty place. If you go up on top of a hill River into the woods it is very pretty. In the summer the boys go in $\ddagger 0$ the
Grand River to swim. We enjo it wery Grand River to swim. We enjoy it very
much to have a cool dip in the hot days In some of our swimming holes there is a
big big rock. We jump off the rock and swim to shore. I cannot swim very well be-
cause I Iust learned last summer. cause just earned last summer.
There is a Red Cross meeting every
Tuesday in Glen Morris and they do Tuesday in Glen Morris and they do
a lot of work for the number of people hhat go to the meeting. Our school
collected about three dollars to give to the British Red Cross. Our school
tis not very big. Only twenty-one scholars is not very big. Only twenty-one scholars
go to it. I am in the senior third class.
There are four in here are four in my class. Well I I guess.
will close now wishing the Farmer's Advocate every success.

Honor Roll.-Hester Smith,
Portriss, Hean Hector Brown,
Elliot Pyril
Junior Beavers' Letter Box. Dear Puck and Beavers.-This my
first letter to your charming Circle. I
always red iways read the Beaver Circle first
in the Advocate. For pets I have a cat named Billy and a pup called Pad.
Our teacher's name is Miss Our teacher's name is Miss N. Mc-
Conkey, and we like her better than others
we we had. There are just nine going, and I'm just in the second class. I Ilike read-
ing very much. Do you? Some of the books I have reat are "Black Beauty",
"Wee McGregor" "Alice's Adventures in Wonderland", and "Aice's Adventures
I think "Kitty and Todtles. getting long I will close with a riddle is Now they go, now they go, now a hill. R. R. Ni. Otive Murphy, (Age 9). Prite to - I me. wish Lorena Brown would

[^0]chimney. Whers round about. Ans.-A
Which runs faster, heat or cold Ans.-Heat, because you can catch cold

## Current Events.

The Parliament of Great Britain has
been extended for 8 months, the fourth time its life has been extended the fourth

Georges Clemenceau, the greatest statesman
Premier.
At time of going to press there is very is in progress. On the Venetian plains In Italy a great battle is going on, and the Piave, but as yet Gen. Diaz has received no great reinforcement of men
from the Allies. Lloyd-George's recent from the Allies. Lloyd-George's recent
threat to resign unl'ss something is threat to resign unl ss something is
done at once, is remedying this delay. penetrated the Gront the French have Ailette River, while in Palestine Gen.
Allenby's troops have again defeated the Turks, and have taken Jaffa, the seaport of Jerusalem. Gen. Maude also
 of a civil war. In Moscow, Kerensky's troops and those of the Bolsheviki are ocked in deadly struggle, while an has called a truce to prevent further bloodshed. At Kiev, however, his
ble Cossacks hold firm and are now in possession of the city. . Before this paper
reaches its readers important things, both in Italy and Russia, may have happened.

## The Dollar Chain

cause of the war Contributions from
16th: K. L. D., $\$ 2.00$
Previously acknowledged........ $\$ 4,996.30$
Total to Nov. 16th \$4,998.30
Kindly address contributions to The Farmer's Advocate and Home Magazine,

## Women Who Can Vote.

 The women who have votes in theoming Dominion election are: (1)
(1) Soldiers' mothers, wives, widows, sisters and daughters, 21 years of age and
over, who have lived in Canada at least one year, and in a municipality not less than 30 days, if their men or women relatives
(military nurses) are on active service military nurses) are on active service
overseas-naval or military-or in the mperial navy on Canadian waters, or if these men or women have been The only exception is where men or women relatives have joined since the Canada.
Two Englishmen were walking along a Dublin street one day, when Pat came
along, looking a likely, victim for a joke. "Good-morning, Pat,", said one of the
Saxons. "Heard the news to-day? The Saxons. "Heard the news to-day? The
devil's dead!" Pat didn't reply at first,
hen pulled two halfpennies out of his then pulled two halfpennies out of his
pocket and handed them to his would be tormentors, saying: "In our country when the father dies we alw."

## An Irish magistrate, one of the old

 School, was summing up a case in aDublin court. The plaintiff was a handsome woman, and her good-looking
daughter was one of the witnesses. "everything in the case seems plainexcept, of course, Mrs. O'Toole and her Had an Advantage.-Heck-"Yes, I
have met your wife. In fact, I knew her before you married her."
Peck-"Ah, that's where you had the

## CROWN BRAND CORN

## will do more than satisfy

 children's craving for "some thing sweet" - it will supply them with a wholesome food.

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 of sixty head of registered
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them samples of cloth, latest fall fashion book and our patented self-measurement

They selected the cloth they wanted, gave us their measurements according to our instrucweeks later they received their clothes. You have the same opportunity. We guarantee as perfect satisfaction as if you came to our tailor shops personally.
We are able to make this offer of a genuine custom
tailor suit or overcoat for $\$ 16$ because we bought our tailor suit or overcoat for $\$ 16$ because we bought our woolens before the present high prices. Write to-day
It will cost you nothing to get the samples and outfit.

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A Mother's Duty
And, mothers, you should insist that your children know how to play the piano, for you know all your life you have wished you could play.

Don't let the little ones grow up only to wish; the time is
NOW, when little minds are alert and bodies strong. The

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has been training little hands and little ears ever since your grandmother was a girl.
To-day, in every part of Canada, little Tolks are learning to love the New
low
Sole Willams Start NOW to let the New Scale Williams train your children
as you wish you had been trained. Fill In and Mail This Coupon WILLIAMS PIANO COMPANY, LIMITED
Dept. B, Oshawa, Ontario. Please send me "Art and the Critic" Free. Name..............
Strect or R.R..


You Will Enjoy
$\mathrm{M}^{\mathrm{C}}$ Cormick's Sodas
Soud trean everwhere in difiecentstace pacatages

## BEESWAX

WANTED
WE PAY THE HIGHEST MARKET
PRICE IN CASH OR TRADE
The Tillson Company, Ltd. tillsonburg, ont.

Sherlock $\begin{gathered}\text { have fully invesigated the } \\ \text { 2UTH C CENTURY PIANO-known an }\end{gathered}$

The Windrow

## The Kaiser.

The following writien by Harold
 at the present time.
th
wi the Ennlishwomen- women-at least all
withe had to do
wold he brining hold heie bringing op of Prince William
have ham in horror and detestation. have had numerous proofs of this, al-
though $I$ have never been ald to
and ater upongn anseeinever resons tor it. Their conception of his character. This view
is $t$ that

 "That he has great abilites shey all
adimit, uut they stop there. Heart he has
nol none, upon their reckoningk And $I$ am
bound to say that if you look into his lace with this rpeconceived notion of the young
mants character you can find plenty of man's character you can fnd ple
signs which seem to substantiate it.
sign which seem the substantate tef





 William is very deeply and thoroughly
 vuafices ,yith, tirrough precisely two Brandenburg up from a puny fefi, with a
poor, scatterece population of a militon and
 giving the law to all Europe iil the instincts
 character is the crown and fower of these ano centuries of might and ruthlessess
and spoliation exaltec into a creed and spoiation exated into a creed.
and
On the other hand, his mother is best royal product of of totally and funda-
nentally y different civilization.
Victoria Adelidide is unquestionaly the broadest,
most
Iiberal , and most lovabie of all the

 Who at present sympathizes wholly with
Mr. Giadstone 1 have most simply and
 litte in conmon wivh a san whow would
handie Gladidtone offhand and who havededy hatases England and thin cumtro
whence has come all the constitutional nonsense which nowadays hampers king-
shi.j
Out of of this wide politial diference . "Out of this wide political difference
betrsen mother
personal estrangenement owhich everon


 to his associates and familiars as "the
Englishwoman." He ostentatiously ad-
dresses her in German, although he
knowns English perfectly, and she has always made a point of having her
children speak English in the family
circle." Might Have Been True-"Tyyopraphi-
ail crorev, said William Dean Howells,



How the Caddy Makes Good-First
Newsboy-"Chimmie's got a job as addie for a golf club. is dere much money Second Ditto- "De salary ain't much,
nut dey makes a lot extra backin' up

AmongtheBooks.
For All The Years. Friend, do not leave me now that you are Untili you died I did not need you so. Living, you were as I; what things me You knew. But since you fought and feared and bled $\begin{aligned} & \text { feo the whole of pain and faith and }\end{aligned}$ dread;
And know the meaning of your battleThe dim, far hills and God's triumphant stars.
Therefore I need you, you whose blood I am not fit to be a dead man's friend.
Come to me often in the throng and press, And pace, a silent presence, at my side Lest I remain unworthy to the end,
Lest my soul rot in dull forgetfulness, Lest my soul rot in dull forgetfulness,
And I forego my sorrow and my pride.
The Australasian
"His Family
[His Family, by Ernest Poole, The
Macmillan publishing Co., New York and Toronto.!

## T"

1 a or three years ago there appeared preceded the war one that caught
the attention of those who could recognize real literature in fiction. The name of the book was "The Harbor", its author
Ernest Poole-and the press-notices stated that the novel was his firss. Of it the New York Times, a periodical whose literary criticisms are always worth while, said
"By all odds the best American novel that has appeared in many a long day." Within the last few months another ed under the title His Family, and the promise of the first has been fuldiled. artistic finish that defies criticism, this story is one which can be given un-
qualified recommendation to any reader, but the mature only, perhaps, can ap-
preciate it to the full, catch all its flavors, grasp all that it means.
$T^{H E} \begin{gathered}\text { central figure is Roger } \\ \text { sixty yale, }\end{gathered}$ opens. He had been born in the boys who wish to "see life," gone off
to New York when but seventeen years of age. Hard days followed, but on the
whole he was fairly successful, and at whole he was fairly successful, and at
sixty is the possessor of a good business, family. The family consists of three women, just about as different as women can
be, and as they often are in the same home, for consanguinity is no guarantee
of alikeness in disposition. Edith, the eldest, has been married some time and is the mother of five children. She is
mother all through,--just mother-the type that becomes so selfish in regard to her own children that nothing and no
one else in the world counts. As her father says of her, "Rather than risk
a hair on their heads she would turn the whole world out of doors." She talks makes everything revolve about them, anyone else. No wonder her sister,
Deborah says of this fierce selfishness,
II soe it in so in the women downtown, in their children on earth. And all be$T \begin{aligned} & \text { HIS brings us to Deborah. She is by } \\ & \text { long odds the finest woman in the }\end{aligned}$ every woman who reads it. She is a
school-teacher in a slum district of the
city-a universal mother city-a universal mother, so universal
that because of her passion for all children that because of her passion for all children
and her efforts to help the children of
the poor who have to do without se much that gives life even half a chance,
she almost, notwithstanding her great love for the fine, rugged doctor, Allar hood herself. When, at last, she ha a child of her
good hands.
$A \cup R A$, the youngest and the beauty
 blows where it lists, the one who wants to live a life of her own unencumbered by children, and does so. She is the one
who almost ruins her father by her travagances, and who comes very close to bringing utter disgrace on her house But she goes blithely on, uncaring, and
drifts farther and ever farther drifts farther and ever farther away.
Yet she is not so much "villainess" of the play as to be entirely unlovable In this, too, Poole shows his perception
of human nature in general and his fineness as a writer.
-And the odd part of it is that the and come to the place in life when he wants quiet-a kindly old man with a hobby of collecting rare rings--sees
himself in each of these daughters. In himself in each of these daughters.; In
the lives of his children he "lives on."
T would not be fair to the author,
perhaps, to divulge more of the
framework of the story here. Suffice it to samework of the story here. Suffice ife of the country, for in its course it has
something to do with a farm up among the hills, where the sun rises "over misty mountain sides all mottled with
patches of firs and birches and pines," patches of firs and birches and pines,"
where a gurgling stream murmurs its greetings to the morning, and where one is a wakened at dawn by "the numberless voices of awakening sleepers, cheeps and
tremulous warblings from the birch copse just below, cocks crowing in the valley, and ducks and geese, dogs, sheep and cattle faintly heard from distant
farms." - True to the city, too, with which farms. - True to the ctor, too, with which
the main part of the story is concerned. As an example of the style of the book, and as a revelation to those of our rural
readers who know nothing of what a readers who know modern school in a crowded tenement district may be, we have chosen a passage
which describes the great human beehive which describes the great human beenive family-to which she lures her father one
day in the hope of interesting him in her (Part of Chapter
$\prod_{\text {HEY turned into a narrow street }}^{\text {between tall dirty tenements, and }}$ For the a twinkling all was changed. For the street, as far as he could see,
was gay with flaunting colors, torrents of bobbing hats and ribbons, frocks and blouses, shirts and breeches, vivid reds and yellows and blues. It was deafening chatter chatter piercing yells and shrieks of laughter. Children, swarms of children, children of all sizes passed him, clean
and dirty, smiling, scowling, hurrying, and dirty, smiling, scowling, hurrying,
running, pummeling, grabbing, whirling each other 'round and 'round-till the ${ }^{\text {spirits and new life! }}$ He heard Deborah laughing. Five
Der hilarious small boys haing in triumph hands and were marching in triumph
waving their caps. "Heigh there-heigh there! Heigh-heigh -heigh!"' The school was close in front ond them.
An enormous building of brick and tile wedged into a disordered mass of tenements, shops and factories, it had been built around a court shut out squ the into the gateway, through which a shouting, punching mob of urchins were now pushing in; and soon from a balcony above Roger looked down into the court,
where out of a wild chaos order was where out of a wild chaos order
appearing. Boys to the right and girls
Bo to the left were forming in long sinuous
lines and three thousand faces were lines, and three thousand faces were
turned toward the building. In front appeared the Stars and Stripes. Then appeared the Stars a crash from under-
suddenly he heard a
neath the balcony, and looking down neath the balcony, and of some thirty or forty boys. Their leader, a dark Italian lad, made a flourish, a pass with
baton, and the band broke into a blaring storm, an uproarious, after line in single file the children marched,
into their school. He heard Deborah's eager voice in his ear. And as he looked up from the court below he gave a low cry of amazement.
hundreds of windows all around, of sweatshops, tenements, factories, on tier upon tier of fire escapes and watchers had
the roofs above, silent appeared. For this one moment in the
day the whole congested neighborhood

November 22, 1917
THE FARMER'S ADVOCATE
an amphitheatre with all eyes upon the
school.. And the thought flashed inte school... And the thought flashed into
Roger's mind: "Deborah's big family!" He had a strange, confusing time his daughter with her two assistan principals, her clerk and her stenographer
plunge into the routine work of the day plunge into the routine work of the day She seemed more like the manager of
some buzzing factory. Messages kept some buzzing constantly from class-rooms, children came for púnishment, and on each small human problem she was a score of mothers, most of them Italians with colored shawls upon their heads
had straggled in and taken seats, and one by one they came to her desk. For peasant huts in Italy now had children of their own in the great city of New York, and they found it very baffling.
Deborah spoke in Italian, but turning to Deborah spoke in Italian, but turning to
her father she would translate from time her fath

A tired scowling woman said, "My When 1 slap him he only jumps away lock him in and he steals the key, he money that I can earn. He says I'm from the country. "And a flabby, anxious halls. Sometimes she comes back at two in the morning. She is fifteen and she
ought to get married. But what can I do? A nice steady man who never dances comes sometimes to see her-but she
nakes faces and calls him a fatty, she dances before him and pushes him out at the door. What can I do?"
"Please come and see our janitor and
make him fix our kitchen sink!" an nake him fix our kitchen sink!"' an
angry little woman cried. "When I try to wash the dishes the water spouts all over me!" And then a plump, rosy mother said
in a soft coaxing yoice, "I have eight ittle children, all nice and clean. When oo it quickly. They smile at you, they are like saints. So could the kind, beautiful
eacher fix it up with a newspaper to send hem to the country-this summer when it is so hot? The newspaper could send
a man and he could take our pictures."
"M "Most of us girls used to be in the
school," said a bright looking Jewess of eighteen. "And you taught us how we
should live nice. But how ice when nice. But how can we live boss is trying to kiss the girls, he is trying he pays us is a joke, and we must work till nine o'clock. So will you help us, teacher, and give us a room for our, mee
ings here? We want to have a union". A truant officer brought in two ragge
frightened little chaps. Found reet during school hours, they had to ne of them gave an address far Sullenly Bronx, ten miles away. They had not ying? What was to be done? Somewhe in the city their homes must be dis officer made Roger feel ramification and the courts to reformatories, distant daughter's daily work in school! St hit dazed, disturbed but curious, he sat and ing demands of Deborah's big family kep of crowding in upon her. He went to a few and writing, arithmetic and spelling were being taught in ways which he had
never dreamed of. He found a kinder garten class, a carpenter shop and cooking class in a large model kitchen He watched the nurse in her hospital a squad of fifty urchins were having their teeth examined, and out upon a small was a strange, astounding school. He heard Delborah speak of a mother's club learned neighborhood association; and he doctor, the nurse and the visitor endlessly
makking neighg experiments, delving into the
neighorthood for ways to meet its problems. And by the way meet its
talkedtorah thalked th them he felt she had gone before,
that years ago by day and night she had been over the ground alone. And she'd is while she lived in his house.
ly groping and trying new things "How many children are there in the public schools?" he asked. Aeborat said eight hundred thousand,' "Good Lord!" he groaned, and he felt vithin him a glow of indignation rise igaingt these immigrant women for
breeding so inconsiderately
with the lread oy so monsiderately. With the of the tenements breeding, breeding, breeding, and packing the schools to urstang, what could any teacher be but a
mere con in
a
 He reached home limp and battered on top of $l$ his steentess $n$ nivestot $H$ He hat thought of school as a simple place, filled with little children, mischievous at time perhaps and some with dirty faces, but
still with minds and spirits clean, soiled as yet by contact with the grim spirit of the town. He had thought of
childhood as something intimate and pure, inside his home, his family. Inbeen disturbed and thrilled by the presence all around him of something wild, barbaric, dark, compounded of the city
streets, of surging crowds, of rushing feet of turmoil, filth, disease and death, poverty and vice and crime. But Roger could still hear that band. And behind
its blaring crash and din he had felt the vital throbbing of a tremendous joyous ness, of gaiety, fresh hopes and dreams, of leaping young emotions like deep
buried bubbling springs bursting buried bubbling springs bursting up
resistlessly to renew the fevered life of resistessly to renew the fevered life of
the town! Deborah's big family! Every
body's children! body's children!
lives." The wision hidden in those words opened wide before his eyes.

Dead in the Snow
No further shall I go, I am through with Lying dead in the snow with the halter ound my neck.
They drove and beat and bound me all Dead in my stall they found me, and

The heary inn shoes, see, they cleav So cumbrous in the heavy snow, so slip pery in the sleet; I slipped and fell, I slipped and irose,
slipped and fell again, And all the while the busy streets were 1 am through with all disaster and the burdened, driven past
I am free from man, my master, and his And my spirit in the haven where they

Cries out to Him who made me against
man, my brother beast. M. E. Buhler, in New York Sun.

Appreciative--Children at home hear the Moundridge Journal believes. The teacher of a Sunday School class recently "What is the most wonderful thing a man ever made?" A

Wife Furnished the Will.-Mrs. Jinks Wife Furnished the Will-Mrs. Jinks
-My husband was a confirmed smoker when I married him, but to-day he never Mrs. Binks-"Good! To break off a
lifetime habit like that requires a strong wili" Mrs. Jinks-"Well, that's what I've

The stonemason was on the witness stand describing the way in which he "He walked right into my yard," the witness said, "and slammed me up,
against one of my own tombstones." against one of my own tombstones."
"Did he hurt you?", inquired the Court. Hurt me! Why, I've got 'sacred to the


THE SIMPLEX WATER BOWL
Makes Your Cattle Pay You More








 To Farmers: Shee simpex Whatr Rowil To Agentas: Simplex Water Bowl to hanne.e. will pay you who have used them state wonderful
milk suprease
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and zeneral | milk supoly, and general |
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| health $\begin{array}{l}\text { off } \\ \text { Btock } \\ \text { better. }\end{array}$ |



 dillon manufacturing co., Oshawa, Ont,

## 



Government Says Koep
More Catte
This The Ontirio Govermerat addien all
 Peter Hamilion Feed Cutters pill ecaly met your reauriatenetat ab Factorlih, Hand and bower


## "1900" Gravity Washer Sont tere for one month tral. "1900" WASHER COMPANY 

MONTHLY INCOME for LIFE rasure yourself an income durrig your old aem Imperial Monthly Income Policy Whit for particulat now and meation Imperial Life Asaur orate Co.or Canade ary

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for sele will find plenty of customers by using our edvertising columns.
BARRED ROCK COCKERELS-O. Ao BARRED R R Redere strain, vigorous range birds:
$\begin{aligned} & \text { Cwo dollars each. } \\ & \text { Order early. }\end{aligned}$ W. A. Barnet,

CHOICE PEKIN DUCKS AND DRAKES FOR
sale. Joe. Walker, R.R. No. 2, Wardsville, Ont. sale. Joe. Walker, ROMB BROWN LEGHORN cockerels and yearling hens, all frst-class, pure-
bred fowls, the results of 11 years careful breed ng for reccrd layers, Prices very reasonable eon-
idering the laying oualitities. Galloway \& English,
Bor A. Ingersoll Ont. BEX A, Ingersoll, Ont. and larke, $\$ 3$ each, or $\$ 6$ a pair; speak quick.
Peter Hord,' Parkhill, Ontario.
 $\frac{\text { Cowr, Strpet tville, Ont. }}{\text { IF YOU WANT A GOOD UTILITY BARRED }}$



 $\frac{\text { TWENTV-FIVE YEARS A BREEDER OF }}{\text { OF }}$ TWENTV-FIVE YEARS A BREDER OF
Ban red Recke that are ba red and bred right
from fist-lass laying hens. Cockeres. for sal
both show and util

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 DAIRY HAND WANTED-GOOD MILKER
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Cheese Factory of either G. T. R. or C. P. R. R. taking in not
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Flock trap-nested and b
lected on production basis.
FOR SALE : Extra vigorous rangeraised cockerels and year-old cocks o They breed heavy layers.
$\$ 3.00$ each. Order now.
WALTER H. SMITH
Athens, Ontario

## Markets

$\$ 11.80$ per barrel, in bags, for Manitoba first patents; $\$ 11.10$ for seconds, and
$\$ 10.90$ for strong bakers'. Ontario 90 per cent. patents were $\$ 10.70$ to $\$ 11$ per

barrel in wood, and $\$ 5.20$ to $\$ 5.35$ per | bag. |
| :--- |
| barrel in wood, and $\$ 5.20$ to $\$ .35$ per | Millfeed.-Bran was in good demand at $\$ 35$ per ton, in bags, in car lots; shorts,

$\$ 40$ to $\$ 42$; middlings, $\$ 48$ to $\$ 50$; mixed mouille, $\$ 55$ to $\$ 56$ per ton; pure grain
mouille, $\$ 58$ to $\$ 60$. mouille, $\$ 58$ to $\$ 60$.
Baled Hay.-Demand was good, both
or domestic account and for oxport to for U. S. Prices were higher , at $\$ 13$ to
the U. $\$ 12$
$\$ 13.50$ en $\$ 13.50$ per ton, for No. 2; $\$ 11.50$ to $\$ 12$
for No. 3, and $\$ 10.50$ to $\$ 11$ for clover mixed, ex-track Hides.-The market was unchanged
amb skins, $\$ 4.35$ each; horse hides $\$ 6$ beef hides, $23 \mathrm{c}, 24 \mathrm{c}$. and 25 c . per 1 lb .,
Montreal inspection; calf skins, 28 c . per lb. for grassers, and 35 c . for No. 1 , per lb .
Tallow, scrap fat, $31 / 2 \mathrm{c}$. per 1 b ., and

Cheese Markets
New York, specials, $231 / \mathrm{c}$ c. to $231 / \mathrm{cc}$,
verage run, $221 / 2 \mathrm{c}$. to 23 c .; Belleville

Gossip.
Sale Dates.

## Dec. 6, 1917, Union Toronto, Ont. -Shorthorns

Dec. 11, Niagara Peninsula Holstein Friesian ${ }^{\text {Dec. 12, Oxford District Holstei }}$ Breeders' (Club Consignment Sale, at 1)ec. 18, Elgin Pure-bred Holstein Beeriens' (Iuthem Consignment Sale, a
$\qquad$

## Hol- $\begin{aligned} & \text { col } \\ & \text { his } \\ & \text { ove }\end{aligned}$

But the question which most agitate
him was his relations with the girl, Fanny
Dodge. He realized that recently he had approached the verge of an emotional
crisis. If Mrs. Black whom he had at the
ime time fairly cursed in his heart, in spite
of his profession, had not appeared with
her notice of dinner, he would be in her notice of dinner, he would be in
a most unpleasant predicament. Only
the girl's innate good sense could have
Attention is directed to the advertise-
ment regarding the sale of 70 Shorthorns at the Union Stock Yards, Toronto The Ortario Wind Engine and Pum


## Exhibiting at Guelph

When ordering a change of advertise
ment Geo. Amos \& Sons, Moffat, Ont write that their cattle are going into winter quarters in $\begin{aligned} & \text { that they have some of the best young } \\ & \text { the }\end{aligned}$ bulls they ever had. They wair where
at the Provincial Winter Fais they will be pleased to meet
old customers, or new ones.
The American Aberdeen-Angus As-
sociation announce the date of sociation announce the date of their
annual meeting as December $5,7.30$ annual meeting as at
p. m., at the Palmer House, Chicago. The sale will be held at the Stock
on the same day. Many breeders will be interested also in knowing that
revised fourth edition of "Supremacy revised four-Angus Cattle"' is now ready
of Aberdeen
for distribution and will be mailed to anyone on request. It is profusely illustrat
articles.

The Penrith Shorthorn Sale of England has only been in existence for six years but in 1917 turned over 663 head of cattle. At its October sale competed in the class for cows and heifers, prize cow made 105 guineas. The top in the milk-record class, five animals $\mathrm{fl}^{\text {f109 }} 4 \mathrm{~s}$. Od., the winner making 125 gumeas. The average for the five 654 . The
yearling heifers was $£ 545 \mathrm{~s}$. 7d. ninety-six females sold ranging Tran
200 guineas averaged $£ 72$ 8s. 1d. The
$£ 7613 \mathrm{~s}$. 7d.; the milk record cows averaged $£ 919 \mathrm{~s}$. the yearling heiffers $£ 52$ 18s. 9 d, , and the
heifer calves $£ 464 \mathrm{~s} .0 \mathrm{~d}$. The 108 bulls sold averaged $£ 608$ s. I1d., the older
bulls numbering 27 , ranging from 400 guineas, averaged $£ 643 \mathrm{~s}$. Id. The middle
class for bulls, numbering 34 , ranging class
from 140 guineas, averaged
and 49
1s. 5 d
, ranging from 250 guineas, averaged $£ 66$ sale was $£ 13,4791 \mathrm{~s}$ giving a general

## Our Serial Story

An Alabaster Box

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served as a refuge, and he reffected with the utmost tenderness that he might most sure that the poor girl loved hin He was quite sure that he loved her But he was also sure, with a strong sense
of pride in her, that she would have re of pride in her, for Fanny he knew would have shared a crust and hovel with the man she loved but Fanny would love the man too well
to consent to the crust and the hovel, on his own account. She would not have said in so many words, "What! marry you, a minister so poor that a begging
fair hastobeheld to pay his salary?" She would have not refused him her love and sympathy, but she would have let him down so gently from the high prospect
of matrimony that he would have suffered no jolt. Elliot was a good fellow, It was on suffered, as a matter of course. He wante Fanny badly, but he realized himsel own suffering; perhaps, as he told himsell with sudden suspicion of self-conceit, he overestimated hers. Still, he was sure that the girl would suffer more than he
wished. He blamed himself immeasurably. He tried to contruct air castles which would not fall, even before the impact of his own harry this girl and live with her hapily ever after, but the man had too much commonsense. He did not for a moment now consider the possibility of stepping, He was sure that he could count confident ly upon nothing better than this.
The next morning he looked about his room wearily, and a plan which he had the keys of the unoccupied parsonage next door, from Mrs. Black, and went over the house after breakfast. It was rather a spacious house, old, but in southeast room of one story in height, obviously an architectural afterthought,
which immediately appealed to him. It was practically empty except for a few essentials, and probably the former incumbent had used it as a study. There was a wood stove, a standing desk fixed to couple of arm-chairs. Wesley at once resolved to carry out his plan. He would bedroom at Mrs. Black's, arrange them on the shelves, and set up his study there.
He was reasonably sure of obtaining wood enough for a fire to heat the room He returned and told Mrs. Black, who agreed with him that the plan was a good one, "A minister ought to have
his study," said she, "and of course he parsonage is at your disposal. The
parish can't rent it. That room used parish can't rent it. That room used
to be the study, and you will have offers
of all the wood you want to heat it.: There's plenty of cut wood that folks are glad to donate. They've always sent
loads of wood to heat the minister's study. Maybe they thought they'd stand less chance on this life." d Elliot ith a most boyish glee. $\quad$ Mre. Black nodded approvingly. "So Mrs. Black nodded approvingly. She hesitated a moment, then she spoke again. "I was just a
little bit doubtful about taking that young woman in yesterday," said she
Elliot regarded her curiously. "Then you never had met her before?" with her
"No, she just landed here trunk. The garage man brought her, and she asked me to take her. I don't know but I was kind of weak to give in, but the poor little theng were pretty, so I took her. I thought I wauld ask, you
how you felt about it this morning, but for there ain't any reason to, perhaps, for anyway. She says she's going to buy and settle down there as soon as she can. She told me after you had Mr. Whittle ain't it?",
"It does look extraordinary, rather," agreed Elliot, "but " She told me that, and I quess she's got

## 

 1

November 22, 1917
"Well", said Elliot, "that is rather
a fine old pace. She may be connected
with the Bolton family" with the Bolton family.
"That's exactly what I think, and if she
was she wouldn't mention it, of course think she's getting the house in some
sort of a business way. Andrew Bolton may have died in prison by this time,
and she may be an heir. I think she is going to be married and have the house "That sounds very probable "Yes, it does; but what gets me is her scared, and wondered if she had all her
buttons, but when she told me about the house I knew of course she could
use the things for furnishing, all except the cake and candy, and I suppose if
she's got a lot of money she thought she'd shes to buy to help. I feel glad she's
like thing. She may be a real hehp in the
coming coming. She may be a real hehp in the
church. Now don't color up. Ministers have to take help. It's part of their
discipline.".
Sometimes Mrs. Solomon Black said a wise and consoling thing. Elliot,
moving his effects to the old parsonage, moving his effects to the old parsonage,
considered that she had done so then.
"She is "She is right. I have no business to be lowly-hearted of the whole world," he
told himself. After he had his books arranged he
sat down in an armchair beside a front window, and felt rather happy and at
home. He reproached himself for his content when he read the morning paper, and considered the horrors going on in
Europe. Why should he, an able-bodied out at peaceful village street? he asked
out anself as he had scores of times before
him himself as he had scores of times before.
Then the imperial individual, which Then the imperial individual, which
obtrudes even when conscience cries
out against it, occupied his mind. Pretty Fanny Dodge in her blue linen was
passing. Ske never once glanced at
the, parsonage. Forgetting his own the, parsonage. Forgetting his own
scruples and resolves, he thought un-
reasonably that she might at glance up, if she had the day before at all
in her mind. Suddenly the unwelcome refection that he might not be as desir-
able as he had thought himself came over him. got up, put on his hat, and walked
He
rapidly in the direction of the old Bolton house. Satisfying his curiosity might
serve as a palliative to his sudden de pression with regard to his sudden de- hive affair.
It is very much more comfor consider oneself a cad, and acknowledge
to oneself love for a girl, and be sure of her unfortunate love for you, than to
consider oneself the dupe of the girl. Sunn had a keen sense of humor.
Suppose she had been making fun of him.
Suppose she had her own aspirations in other quarters. He walked on until he reached the old Bolton house. The door
stood open, askew upon rusty hinges.
Wesley Elliot entered and glanced about him with growing curiosity. The room
was obviously a kitchen, one side being
occupied was obviously a kitchen, one side being
occupied by a huge brick chimney in-
closing a built-in range half devoured with rust; wailt-in range half cupbards, a sink ane and
a decrepit table showed gray and ugly completely blocked on the outside with
over-grow over-grown shrubs. An indescribable
odor of decaying plaster, chimney-soot
and mildew lon A door to the right, also half open,
led the investigator further. Here the
floor shook ing rotten beams and unsteady sills.
The minister walked in passing a portrait defaced with cob-
welhs over the marble mantelpiece and an expanse of tangled grass and weeds,
through which the sun streamed hot and yellow. Voices came from an adjoining room; he could hear Deacon Whittle's
nasal tones urpaised in fervid assertion.
"Yes, mam!' he was saying, "this
house is a little out of repair, you can
see that fer yerself; but it's well built:
and all carved like you see. Yes, ma'am!
there's as many as seven of 'em in the
house. Where'll you find anything like house. Where'll you "I-think the house might be tmade to
look very pleasant, Mr. Whittle," Lydia
replied, in a hesitating voice Wesley Elliot fancied he could dete a slight tremor in its even flow. He pushe
open the door and walked boldly in. Good-morning, Miss Orr," he ex-
claimed, advancing with outstretche hand. "Good-morning, Deacon! . this is to be sure. I never chanced to s. the interior before."
Deacon Whittle regarded his " "Some s'prised to see you, dominie" said he. sprised to see you, dominie",
occupied at your desk of a was generally ing.' The minister included Lydia Orr in the
genial warmth of his smile as he replied. "I had a special call into the country ance hitched to the seeing your convey I thought I'd step in. I'm not sure
it's altogether safe for all of us to be
standing in the middle of this bi standing in the middle of this big room
though. Sills pretty well rotted out-eth, Deacon? "Sound as an oak,", snarled the Deacon,
"As I was telling th" "As I was telling th' young lady, there
ain't no better built house anywheres
'round than this one. Andrew Bolto didn't spare other folks' money when hen built it- no, sir! II't's good for, a hundre "Who owns the house now? asked
Lydia unexpectedly. She had walked over to one of the long windows opening
on a rickety balcony and stood looking "Whe "Who owns it? echoed Deacon Whittle. "Well, now, we can give you a clear title.
ma'am, when it comes to that; sound an' clear. You don't have to worry
none about that. You see it was this way
dur dunno as anybody's mentioned it in yourt
hearing since you come to Brookville hearing since you come to Brookville,
but we use to have a bank here in Brook-
ville, about eighteen wears but we use to have a bank here in Brook-,
ville, about eighteen years ago, and-,
"Yes, Ellen Dix told me," interrupted Lydia Orr, without turning, her head.
"Has nobody lived here since?" Deacon Whittle cast an impatient
glance at Wesley Elliot, who stood with
his his eyes fixed broodingly on the dusty
floor. "Wal," said he. "There'd have been
plenty of folks glad enough to live here;
but the house wasn't really suited to our kind o' folks. It wasn't a farm-there being only twenty acres going with it.
And you see the house is different to what folks in moderate circumstances could handle. Nobody had the cash to buy it,-
an' ain't had, all these years. It's a pity to see a fine old property like this a-going
down, all for the lack of a few hundreds. But if you was to buy it, ma'am, I could
put it in shape fer you, equal to the put it in shape fer you, equal to the
best, and at a figure-Wall; I tell ye, wost, cost ye what some folks 'd think.",
"Didn't that man-the banker Dtole everybody's money, banker who
I meandidn't he have any family?, asked Lydia,
still without turning her head., "I
suppose he-he died a long time ago?" suppose he he died a long time ago?"
"I see the matter of th' title's worrying you, ma'am," said Deacon Whittle
briskly. "I like to see a female cautious
in a business way: I do, indeed. And 'tain't often you see it, neither. Now,
I'll tell you-", Orr some more desirable property,
Deacon?" interposed Wesley Elliot, Deacon?" interposed Wesley Elliot. girl at the window, quicklyse, said the
She turned and faced the two men her delicate head thrown back, a clear color staining her pale cheeks.
"I shall buy it," she repeated. "I-I
like it very much. It is just what I hike it very much.
wanted in in every way,",
Deacon Whitle gave vent to a snort of ""There was another, party looking at "There was another ", he said, rubbing
the place all back,"
his dry old hands. "I dunno's I exac'ly
give him an option on it; but I was sort give him an option on it,
of looking for him to turn up 'mast any
day. Course I'd have to give him the first chance, if it comes 10 a-",
"What is an option?" asked Lydia.
"An if "An option is a-now, let me see if I
can make a legal term plain to the female
mind: An option, my dear young lady,
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The minister crossed the floor to where figure in was standing, a slight, delicate figure in her black dress, her small
face under the shadowy brim of her wide hat looking unnaturally pale in the "reenish light from without.
"An option," he interposed hurriedly, must be bought with money; should
you change your mind later you lose whatever you have paid. Let me advise
Deacon Whittle cleared his throat with Deacon Whittle cleared
an angry, rasping sound.
"Me an' this young lady came here this morning for the purpose of transacting a little business, mutually advantageous, he snarled. "If it was anybody but the dominie, I should say he was butting in
wthout cause."
"Oh, don't please!" begged the girl I-I want an option, if you please You'll let me have it, won't you? I want it-now. - Deacon Whittle blinked and drew back a pace or two, as if her eagernes
actually frightened him. "I guess-I guess I can accommodat ye", he stuttered; "but-there'll be some preliminaries-I wa'n't exactly preparedThere's the price of the property and the
terms-S'pose likely you'll want a nort gage eh?",
He rubbed his bristly chin dubiously. "I want to buy the house," Lydia said. "Have you seen the rooms up stairs?" asked the minister, turning his back upon his senior deacon.
She shook her head.
"Well, then, why not
ward the winding stairs, dimly seen through the gloom of the hall.
"Hold on, dominie, them stairs ain safe!" warned the Deacon. "They'll
mebbe want a little shoring up, before mebbe want a little shoring up, befor
-Say, I wish-", "I don't care to go up now, really," I like and-", with a shiver. The air of the longclosed rooms was chilly, despite the warmth of the June day outside. "I'll tell you what," said the deacon briskly. "Iou come right along down
to the village with me, Miss Orr. It's
kind of close in here; the house is built kind of close in here; the house is built
so tight, there can't no air git in. I tell you, them walls-" jocular palm. There followed the hollow sound of dropping plaster from behind the lath. "Guess we'd better fix things up be tween us, so you that other party appointed in case that other party-
he added, with a crafty glance at the minister. "'You see, he might turn up
'most any day." 'most any day." "Oh, yes!" exclaimed the girl, walking hurriedly to the door.
to go at once."
She turned and held out her hand to the minister with a smile.
"Thank you for coming," she said. "Thank you for coming," she said. now.
He looked down into her upturned face with its almost childish appeal of utter candor, frowning slightly.
"Have you no one - that is, no near relative to advise you in the matter?"
he asked. "The purchase of a large he asked. such as this, ought to be care-
property,
fully considered, I should say." fully considered, I should say.
Deacon Whittle coughed
"I guess we'd better be gitting along, said he, "if we want to catch Jedge Fulsom in his office before he goes to dinne
 Tor Myself." Wliot returned to Brookville
Wesley En and hir which led him over the shoulder
of a hill overlocking the valley. He did not thonev en examme his motise for avoiding
the . thong which Fanny Dodge
would path, increasingly rough and stomy as it
dimbled the serp, hrem, led him at
denuth to
 its tiny poiming -terple piercing the
vivid green of many tree, he sat down
with a sigh of reticf and soncthing


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Kodak pictures of the old home, thé "littlest one" and - best of all-herself
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beef and d airy breeds of cattle, show and feld
ond


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somewhat undecined blishecief in in a quasil

 trownin, ghow Iace. Ins horort, that unquestioned, wholly uncontrollable influence outside
of a man's life, which appears to rule his
 Iore smied rather evasively, upon Westley
Fillt Elliot . He had been permited to make
sure his sacred calling; but he had not
 saved or so he told himeselft as the
frazant Iune breaze fanned his heated fragrant June breaze fanned his heated
forehead by a distinct intervention of
 terrupted ai fength by the shrieking
whistle of the noent whistle of the noon train as it came to a
standstill at the toy railway station standstill at the toy railway station,
might be termed important, since they
were to influence the immediate future were to influence the immediate future
of a number of persons, thus affording a fresh illustration of 'the mysterious
workings of
of Providence" called "Divine.",
(To be continued,

Questions and Answers. lat oungiona alked by bonanide subasibers






Miscellaneour.
Suffocating Gas Is hydrogen chloride a suffocating gas?
Is it effective in driving animals out of their dens? Ans.-This gas is of a suffocatings ature a desired. Carbon bisulphid
purpose
 commonly used for destroying animals
their burrows. It is a tionid that
te be carefully handed, as it is inflammable not poisonous. A A rag is moistened wied
it and droped into the burrow. Fo driving animals out of their burrows
ordinary wood smoke is sonetimes used. Syrphus Fly Larva.
Would you kindly describe the enclosen worm of inscct tor the tenentit of you
readers in "The Farner's Advocate?" Ans.-The insect is the larva of a specis
 gots, because of the long projection of Ielescopic nature at the cond or the bool pushed out of water or moist places into the air. It is really a breathing tube
The magkots are conmonly found in wei places and in rotten wood. They are in

nuch vaduacts are fies a little over hall ant inch long, bright in color, resembling
bees, and trequenty seen hovering over heses, and trequented seon the pollen and nectar. They may do some good in fertilizing
plant itself
Killing a Hog Oil in a Barre) 1. I have a boar which Held and has been used very little. Would the meat out being castrated?
2. How can I take the taste of coal oil out of a wooden barrel so it can be used
W.. W. Ans.-1. The meat would be all right or use, but it would not command as
high a price as hogs around the 200 -Ib
Packers make a considerable re hark. in price. By castrat ing some tim
luction in
before killing, the hog will fatten up mor eadily, which mples
quantity of meat.
2. The oil permeates the wood and it
sdifficult to extract it so as to prevent a
de lavor being tramemitted it protuct
stored in the barrel. The oil on the sur
and ace may ore materlal like Dutch Cleanser
of lime, or a me surface,
vill cut oil or grease from the

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bull as well as a few females in calf to him. Come and see our herd or write us or anything in
Herefords.
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| :---: |
| oreate | AMES bowman. Elm Park. Guelph, Ont SUNNY ACRES

ABERDEEN-ANGUS | Bulls of serviceable age an |
| :--- |
| females not akin | WM. CHANNON \& SON

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heifers bred,
bome calves
ly side. Size
 Thomas Graham. Port Perry. R. 3. Ont. MAPLE LEAF FARM

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| :---: | :---: |
|  |  |

Shorthorns


## Questions and Answers. Miscellaneous.

Using the Yeast Treatment What kind of an instrument is used
lor giving the yeast treatment to cows Ans.-Trie liguid may be injected inte the vagina of the cow by a smal! rubber
tube or $\downarrow$ syringe. Disisfect one end of the tubc and insert it into the cagina
and place a funcel in the otherend of tube and pace 1 tumen in the other end or tuibe
to receive mixture. If this end is raised a little above the animal's back the maa terial
vagina.

Cost of Rearing a Chick What do you consider it costs to reat a chick up to six months of age? ${ }^{\text {P. B. }}$. kinn of grainens cosensiderably on the give the liris We know on one fook
where the feec alone cost in the neighoor hood of seventy cents up to the time the
birds were six months of are case chick teed was used the first thred
wecks, and then small wheat, cracked corn, oat, bran and shorts, made up the Value of Violin.
 also has the word "Stainer" stamped in
the wood of the back at the basc of the heednice. The esams are all tight
though the wurnish is marreal to some ex. tent. The tone it pood. Could dou give
me an idec of tis probatile alluce
$\qquad$
 Dealers, Chicago, or probably some music
dealers in Toronto or London, they might be ah,le to give you some definit
to the value of the instrument.


What are the names of the enclosen
weeds: No. 1 has white blossom. What is
he best way to the best way to get rid of it? No. 2 has
a bluish-white blossom; how is it eradi-
cated? I don't know whether No. 3 is a weed or a foodder plant. It has a strong
root. Is it a good plant for feed? Ans.-The weed with the white blossom
is known as larrow. This weed is more or less common in wasto places and in
fence corners. Sheep will keep it picked
down fairly will a short retal down lairly wedl. A short rotation of
crops in which a hoed crop enters will
eradicate the weed. The one with the hluish-white hlosom and roundish leaves
is known as Mallow. It is a biennial plant which spreads from a deep root
branched from the base. It, too, is kept
in check ho sheep or a short rotation crops, It is not a weed that gives much
trouble on moderately well-drained land.
The other phant received at this office was a sample of alfalfa If cut at the right
time it makes excellent hay for all classes
of stock int tact, the leaves are considered
to be aloout ceinal to purposes, It requites land in which the
water !eel does not come too close to the
surface it is a der surface dro ha derp-rooted plant and
resists drough. It kills out in many
parts of the countiy where the land is

| A Pittshurg Jest.-It was the first week that the Jinkses, who had fallen heir to considerable properts, had been in their new home Mrs. Jinks was giving dimer party with the fond hope that from this oceasion she would be fairly launched in society: "I.ena," said Mrs. Jinks to her new cook, "loe sure to mash the peas thoroughly to-night.' <br> "It hat, ma'am?" exelaimed the amazed cook. "Mash the pean?" <br> "Yes, that is what I said, I cena, manh the peas," repented the mistress. "It makes Mr. Jinks very nervous at dinmer to have them Toll ulf his kinte. -ritts. |
| :---: |
|  |  |

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tions for its use. Send for descriptive circulars

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lesses," "Nonpareils," "Glosters," etc.

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November 22, 1917
Barns Destroyed by Fire. The record of barn fires is again so
heavy in number and amount as to cause heavy in number and amount as to cause
some concern. From January 1 to some concern. From January
September 30, 1917, we have hat in Ontario 788 barn fires involving a loss of $\$ 791,247.00$. Between June 1, 1917, and the day on which this is written (October had special reports made upon no less had special reports made upon no less
than 211 barn fires, and we can therefore speak with some degree of authority on
some phases of the causes of such fires. some phases of the causes of such fires.
Of the total of 211 investigated firec 13 of the barns affected were equipped with lightning rods, but only two of the ing. We gave particular care to lightxamination of these two cases because of the apparent failure of the rods, and whole enuipment was out of order and it was well known to the farmer that two severed where they entered the ground: ot only completcly useless but it would ave been better had it been altogether Hastings County on the 19th occurred in 917, we have a much more interesting ase, Prof. W. H. Day, our recognized eports sent to him, sums up this all the "It brings out v
of our instructions that the ground rods hould not run from the peak but from hit the building part way down between the peak and the eaves, and in such cases
there is absolutely no chance of the going upward to the peak to the current ground rod. Rodding men who have ground from the the old method of us time and again that there was no possibility of a stroke occurring part way
down the roof as we clain that demonstrates very cleanty ther case portance of our recommendation that
buildings should be crounded from the caves, and all water spouts grounded."
The question "Do lightning rods." tect from fires by lightning?" is unmistak anty answered in the affirmative by our
records and investigations of this year year. Of the work we commenced last 211 barn fires specially in vestigated. 128 have been due to light
ning, andthe balance known." We are not yct through the month we hope to be able to give some valuable information for the benefit of on the subject of other causes. -Fron

Questions and Answers. Miscellaneous.

Qualifications of Birds. Orpingtons and Barred $\begin{aligned} & \text { goints in Buff } \\ & \text { Rocks for ex }\end{aligned}$ hibition purposes, especially regarding Ans-Acrording to the "Standard of
Perfection" of the American Poultry Association the shanks and toes of the
Buff Orpingtons are white or pinkich white; comb, face, wattles and ear lobes,
bright red. hright red; plumage surface throughout
an even shade of rich golden buff, free
from shafting or from shafting or mealy appearance. The
head, neck, hackle, back, wing bows and taddle richly glossed. Under color a lighter shade of buff, free from foreign
color. Different shades of buff in two or more sections is a serious defect. Har
nonious blending of buff in all sections i : most desirable. The disqualifications are
white in ear lobes, covering more than one-third of the surface; yellow beak or
kin; shanks other than white with the Barred Rocks the beaks shouid be yellow; enb, fare, watt les and ear lobes, bright
ed shanks and toes yellow; red showing od; shanks and toos yellow: red showing at a defect in males; the plumage
revish, white; each feather crosserd by
egular, narrow, parallel sharply-defined egular, narrow, parallel, sharply-defined,
lark hars that stop short of positive
iack: or metalle from shafting, brownish tinge
ohoen; the light and dark bars should be of equal width and extend

THE FARMER'S ADVOCATE


Unshrinkable UNDERWEAR

Made and Worn by Two Generations Over a quarter of a century ago the late C. E. Stanfield, Pioneer
underwear manufacturer of Truro, N.S., discovered a way to prevent woollen underwear from shrinking-by the radical but sensible plan of taking the shr
From the very first, the sterling quality of Stan-
field's Underwear, as proved by wear and washing, has been its most prominent feature. It actually DOES length of service it is the best value offered in underwear. Stanfield's Original Pure Wool ; the Universai Stanfield's Original Pure Wool o the Universaî
Favorite with Outdoor Workers. Wonderfully warm and absorbent. Red, Blue and Black Labels-regular, medium
and heavy weights. heavy weight
Mothers will be specially interested in the wonderfully
dy Adjustable Combinations and Adjustable Sleepers for growing children. Simply moving the buttons on the waist allows for two to three years' growth, and the detachable lowe part is a

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showing over a dozen weights and textures, from the lightest
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Dual-Purpose SHORTHORN BULL

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 FIFTY IMPORTED SHORTHORNS
 SPRING VALLEY SHORTHORNS Herd headed by the two great breeding bulls, Newton Ringleader (imp.)
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DRBMO2
DRUM Blairgowrie Shorthorns and Shropshires


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Imported Scotch Shorthorns

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particulars. We also have females of the ichest breeding and highest individuality.
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red. Smith. 32 and 34 Pront St. W., Toronto Spruce Lodge
Shorthorns and Leicesters Stre in gervice, Roan Chief, Imp. 60865. Young
bulla from 10 to 14 montha, and a choicce lot o W. A. Douglas, Caledonia, Ontario

SHORTHORN BULL FOR SALE

old. For particularg write:
w. W. SCott, R. No. 2. HighGATE, ont.

 W. JACKSON, R.R. 4. WOODSTOCK, ONT. Glenfoyle Dual-Purpose Shorthorns
 art m. graham. lindsay, ont



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We are open to buy cream both $\begin{gathered}\text { ing and table use. }\end{gathered}$
ASK ANY SHIPPER
about our service and prompt Ask for Prices The figures of yesterday may be roo
LOW for to-morrow. We furnish cans. The Toronto Creamery $\mathrm{C}_{\mathrm{o}}$, Limited Church Street, Toronto

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Ship your cream to us
We pay all express charges. We supply cans. We remit daily. We guarantee highest mar ket price.
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 OIIEastive Tankage
Bran
Vim or Oat Feed $\begin{array}{ll}\text { Crushed or } & \text { Ground Oats } \\ \text { Peed Wheat } \\ \text { Scratch Feed } & \text { Been and Bone } \\ \text { Layling Mash } \\ \text { Cattenlig Mash Mill } & \text { Mill Feed }\end{array}$ If it is anything in the feed line, we have it.
in car lots or less. Write or phone for prices. CRAMPSEY \&KELI.Y Dovercourt Road, Toronto, Ont.

Skunk,
Red Fox, Coon
and all other kinds wanted.
We pay all exppess and
postaze. and remit money
and We pay and express and and
ostage, and remit money
ome day for shipment

C. H. ROGERS Walkerton,

## Record HOLSTEINS


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Manor Farm Holsteins
 thewner

Gordon S. Gooderham
For Milk, Butter, Cheese, Veal Holstein Cows Stand Supreme It you try Just one animal you will very soon WRITE THE
HOLSTEIN-FRIESIAN association

## HOLSTEINS


VM. A. RIFE. Hespeler, Ontario BULL CALVES FOR SALE

Are We on the Trail?
Edtror "The Farmer's Advocate
One of the most suggestive impressions of my early life is associated with the track or trail in the woods.
In the pioneer days the cows were allowed to roam in summer with the
other cattle in the "bush." One of the cows usually wore a bell, so that their whereabouts could be known, except on depths of the forest. Then the fun, o mayhap, the trouble, began-the hunt mayhap, the trouble, began-the hunt
for tha cows. Sometimes no trail could
he fo fe found, in other instances two or three
"tracks" might be secn, and one would be quite at a loss as to which of these to folIow To Ieave the trail might mean to
be "lost in the woods." In this case the
In search was usually abandoned, and the
cows left to their instinct to "come
howe
"Thoug
Man treads
Whil
Whill makes his way
Man still mistakes his way
While meaner things which instinct
Are seldom known to stray
By this wonderful instinct the bird rom filds and woors atar, returns uni laden with nectar from distant flowers
makes no mistare makes no mistare abour the location out
its storehouse of honey, and all without
chart, compass or or curse of instruction Man, withass, his teachers, science, logic, philosophy, is yet liable to error, and
makes many mistakes both along the beaten path and allos in his pathhess ex
cursions in quest of truth. His geomcursions in quest of truth. His geom-
etry, though in itself absolute truth, yet etry, though in itself absolute truth, ye
cannot conduct him infallibly to truth or systens outstide its own domain. it geometry could fashion government or
politital ceonomy and formulate it ac cording to its own princippe, man woul have had a government with the party
spirit eliminated, and a political economy spirit eliminated, and a political economy
based on union, such as inititated for Canada.
Long have we wandered in the wilder ness of political division, strife and unrest.
In division and strife are weakness and decay; in harmony is strength. Are we


Questions and Answers Miscellaneous.

Barn Construction
1 am considering building a barn
Have you any books dealing with barn Have youl any books deading with bari
construction, particularly plank rame?
Does the Ottawa issue any literature regarding Aesirable types or barms? K. L. has issueld de pamperimet describing diftaren
types of alank-frame barus and fiving types of plank-rame barins and giving
specifications for material used.
The
follow Iollowing books may be secured through
this ofice: "Plakk-Frame Barn (on-
strution" 60 cents struction" ${ }^{60}$ cents, postpald;
Buildings," by Shearer, 81.10 .
Blackey
What are the symptoms of blackhea in turkeys? What remedy is recon
mended? Ans.-The symplons frist tikety to ap
peara are lack of appetite emaciation, in
clination to keep away from the rest hhe flock, diarthca, discoloration of the
head as ther lisease ailvances. Af post
mortem examination will usually show the caeca filled with cheesy contents and
sunken spots may hle seen on an enlarged
liver. Remedies do not always prove ciffective. One cteaspon nul of mays mrovere
acid to a pint of drink ing water is recom iron, 1 grain, and sult sulphate of of quinine, 3


 disease germs may remain in the pee
or yard for some time, or in the erounn

## SUNNYBROOK FARM HOLSTEINS

A few choice yearling bulls and heifers. Fine individuals, beautifully marked nd highly strained in the blood of the world's record cattle.
$\qquad$

## HIGHLAND LAKE FARMS

Herd sire, AVONDALE PONTAC ECHO (under lease) a son of MAY ECHO SVLVAA, the world's
record cow. Only one other 41-b. bull in Canada.
 A few females for sale. Satstaction guaranteed (Farm at Stop Yonge St. Radial) JEFFERSON, ONT,

## Roycroít Farm Holstein-Friesians


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Hospital for Insane--Hamilton, 0nt.
Present offerings are 4 grandsons of Dutchland Colantha Sir Mona, and
high-testing, large-producing R. of P. dams of Korndyke and Aaggie DeKol
high-testing, large-producing R. of P. dams of Korndyke and Aaggie DeKol
breeding. Born during April and May, 1917. Apply to Superintendent.

## SUMMER HILL HOLSTEINS

 The only herd in America that has two stock bulls that the dam of each has milked over 118 8 ths a d dayand their

average butter records are over 351 lbs. a week. We have 5 heifers and young bulls to offer | D. C. FLATT \& SON, | R. R. 2, HAMILTON, ONT. |
| :--- | :--- |
| 165 |  | TWENTY-FIVE HOLSTEIN FEMALES

The first I have ever offered. I am away over-stocked and am offering females for the first time | A. A. FAREWELL $\quad 30$ miles east of Toronto-C.P.R., C.N.R., G.T.R. $\quad$ OSHAWA, ONT |
| :--- |

## DUMFRIES FARM HOLSTEINS


THREE CHOICE, YOUNG HOLSTEIN BULLS



 HOLSTEINS
Present offering: a number of yearling heifers by Butter Baron, a son of the 3 3-b. champion cow. Queen
Butter Baroness Also some choice young cows due to fresthen this fall and early winter. A few Buter Barones. Also some choice young cows due to freshen this fall and early winter. A few
Botur buils by the herd header will be bold right. Get of Butter Baron was firit at oronto and Lom.
y. H. Haley, Springford, Ont.
don this year.
Record Breeding and Great Individuality are combined ine are now offering from daughters of Lewis Prilly Rouble Hartog, and sired by
They will improve most herds. Several are of serviceable age. See these.
 in 30 days - world's record when made. Hiss ten nearest relatives have ons
34.94
liss. butter in 7 days. His daughters. have made good in official test. The present R. of P. con Pioneer Farm Holstein Herd With big yearly records and high average butter-fat test, and



 Low Banks Farm Holsteins $\begin{gathered}\text { Fairview Korndyke Boy, our senior herd bire, ij } \\ \text { son of Pontiac Korndyke, from a daughter or }\end{gathered}$
 EVERGREEN STOCK FARM HOLSTEIN-FRIESIANS
 SILVER STREAM FARM HOLSTEINS

Ldgeley Stock Farm The home of Canada's greatest productine

-ire, Netherland Segis and out of tested
dtams; one mostly white, the other half
, lack and white. Born in March and

November 22, 1917

屏Cattle Fatten Quicker
 KEYSTONE DEHORNER is used
at the Goverment Agriultura
Colleges. Write for booklet. R. H. McKENNA, 219 Roberts St., TORONTO Registered Jerseys and Berkshires We have bred over one half the world's Jersey
Champions for large yearly production at the pail. We bred and have in service the two grand
champion Berkhire boars If you heed orit for
improvement, write us for literature, description HOOD FARM, - LOWELL, MASS.
AYRSHIRE COWS
will make money on any farm.
WRITE W.F. STEPHEN, Secretary
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## Fernbrook Ayrshires

## 

COLLIER BROS., Beachville, Ont.
CITY VIEW AYRSHIRES Increase your test-- 5 young bulls from R.O.P.
dams testing from 4.15 to $5.02 \%$ fat. Jired by bulls from record ows.
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BEGG,
\& Choice Offering in Ayrshires
 no. A. Morrison. Mount Elgin, Ontario. Kelso Farm R. O. P. Ayrshires. Herd headed
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had astronger ine-up of R. P. P. producers than had a smerstron line-up of R. R . P. producers than
hat
we have at present.
Our we have at present. Our $1917-1918$ young bulls
are sure toplease.D. ...Mactarane, Cors Cross
Ing, G.T. R., Athelstan, N. Y. C.; Kelso, Oue. Glencairn Ayrshires 40 Herd established ability from 8,600 to 11,022 1bs. If that sort of of
production appeals to you, we have heifers all azes
 Our Breeding and Quallity $\frac{\text { OGELEY, }}{\text { Advocate. }}$

THE FARMER'S ADVOCATE.

## Experimentalffarm at Cap Rouge. <br> Editor "The Farmer's Advocate" It is very probable that many owners of can trace their start in the breeding stock purchased from one Gus Langelier, who, prior to 1911 made a specialty of deveraping this popular breed Of course, he is as much interested in iive-stock matters as in the old days, but It is the standpoint of an experimentalist. riends and customers inn among his old vinces, that the Federal Government some six years ago took over. Stadacona Farm, as Mr. Langelier's place was known, for an experimental farm, along with its erstwhile owner as superintendent Situated at Cap Rouge, about ten miles from the city of Quebec, the in will be particularly aparried on there central portions of the Province. Of the 320 acres, about one-half is under cultivaheavy clay loam, and contains a great considered very fertile it is fairly repreThe work in Field Husbandry at this management and agricultural engineor ing. Since becoming a government in- stitution many experiments have been carried out. Among the most valuable were those relating to rotations. It ha been the practice for farmers thereabouts to follow long rotations. With a not over fertile soil it is being demonstrated hat better results, both as to crop yield and soil conditions, may be secured by a shorter rotation period ranging anywhere from three to five years according to circumstances. <br> Variety tests of oats, barley, wheat

 the object of determining the best varieties that win mature in the rather short-growing season of the district. The averge of five years places Banner first
among the oats, Manchurian amon barleys, Huron among wheats, and Early
Longfellow among silage corns. A dairy herd $f$ Filage corns. numbering 36 head is maintained in con nection with the farm, the majority of which are pure-breds. Twelve of these
have qualified for the Performance test, a record that speaks for their quality Some fine specimens of French Canadian
horses Yorkshire swine and Shropshire horses, Yorkshire swine and Shropshire
sheep are kept, and the numbers are being gradually increased as circumstances direct. Considerable attention is being paid to the work with sheep. This line
of stock is proving popular in the province of stock is proving popular in the province,
due to the high prices of wool and mutton. A large and commodious shee barn was completed about a year ago, to be carried on in this connection Data is being sought by means of experi
ments as to whether it would not pay the farmer better to keep his lambs until some time during the winter than to follow the
usual custom of dumping them on to a usual custom of dumping them on to a
low, autumn market. At the same time tests are being made to decide whether ration can be compounded from home grown materials that will profitably tak
the place of purchased concentrates. An effort has been made to have the stables and barns thoroughly up-to-date as regards lighting, ventilation, etc., and the farmers who plan to build on thei own farms. The superintendent takes a
special interest in poultry, and is trying to let some of his enthusiasm radiate to the people in his district. A large series
of houses have been built, and the growing equipment promises a rapid develop Horticulturally, a good start has likehowever, centres around a young, ten acre apple orchard. This is being added the cost and new varieties and method
of culture are being tried out. It is expected that by showing the farmer ex actly how he can make money in orchard help, that the fruit-growing possibilities o this district will be brought rapidly to the
front. Tront.
There is no doubt that Mr. Langelier
an


## Make Your Dairy Pay

HVEN though you have no more than two 1 or three cows, there are good reasons why you should have a Primrose cream separator. The Primrose has a record of skimming out all the cream Of the many reasons for this close skimming, we can mention only two good Primrose features - the double cream outlet and the regulating screw in the skimmed milk outlet. bowl, plenty of room to escape without cutting or crushing the large fat globules which make such smooth, rich butter and give quality and value to the cream. Therefore, we no second outlet as large as the first. Through these the cream finds easy passage after its complete separation in the bowl. If a less dense cream is wanted, a turn of the screw in the
skimmed milk outlet forces a thin edge of skimmed wilk into the cream channel, thinning the cream but not interfering in any way with the closeness of the skimming. described in catalogues which we will send promptly. Write
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## PREPAREDNESS

The Government says that milk will be paid for by test - therefore

## Buy Jerseys NOW!

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TME MAM CANADAS MOST BEUTIPHLJRREY HRRD JERSEYS


## BRAMPTON JERSEYS


 London, 1917. Our herd at present holds the Canadian records for both milk and butter in the two-year
the thre--year and the mature clasees. Let us tell you about the daughters of Netherton King Theodore
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 RAVENSDALE AYRSHIRES
 Ravensdaic hera. W. F. F. Kay, Phillipsburg, Que., St. Armand Station. C. P. R.
"The Maples" Stock Farm-R. S. Robson \& Son, Props., Denfield, Ont.


## Farnham Oxford Downs


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 LINSEED OIL GAKE "Maple Leaf" Brand
The Canada Linseed Oil Mills, Limited

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We have four large litters of choicely bred Yorkshires and are booking orders for delivery as soon as weaned. Great Britain and her Allies will be requiring pork products. Now is the time to buy good breeding stock.

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## WELDWOOD FARM

Farmer's Advocate
LONDON, ONTARIO

## PEDIGREED <br> TAMWORTHS Several sows, 2 years old, in igig. Also younger stock. Write:

Herolds Farms, Beamsville, Ont.
Meadow Brook Yorkshires- Young pige
 G. W. MINERS, R.R. No. 3, Exeter, Ontario beaver medi chester whites won over $75 \%$ of the prize money at Toronto this
year with three herds sbowing. Write us
Ior bred


## TAMWORTHS

## 

 Morriston Tamworths and Shor thorns-


CHAS. CURRIE, Morriston, Ont.
Polands, Durocs and Berkshires Young stock at all times both sexes and all ages.
Can also
Cumply any downs. Everything priced to sell.
Leaming ton, Ont.
Cectl Stobbs. PROSPECT HILL BERKSHIRES

 Sigs, both sexere, five months or whit yous

 Featherston's Yorkshires ${ }^{-T h e}$ Prove

 Our herd won all championseys.

 Lakeview Yorkshires if you want abrood


THE FARMER'S ADVOCATE.

## Help Your Country AND

 Help YourselfT doesn't matter who you are or what you are, how old or how young, you should buy Canada's Victory Bonds.

Many people have the idea that buying a bond is a very serious matter and that they should think it over very carefully before putting money into it

As a matter of fact a Victory Bond is practically as transferrable as a fifty- or a one-hundred-dollar bill. You can spend it or you can borrow money on it as security at any time. It differs from money only in one detail-it bears interest.

Buying a Victory Bond is a safe, sound, profitable investment, as they not only pay a high rate of interest but are free from taxation and will eventually be worth much more than you pay for them. Ask your banker.
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 J. E. BRETHOUR \& NEPHEWS, Write for what you want. BURFORD, ontario.me

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## BERKSHIRES


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## Large Supply of Hog Feed Available

The farmers of Canada and the United States are asked to do their utmost to increase the production of hogs in order to relieve the critical situation in regard to the shortage of meat and fats in Great Britain, France and Italy, there being a shortage of $32,425,000$ hogs in Europe.

## Government Co-operation

The Dominion Government and the Provincial Governments are co-operating in every way possible to bring the gravity of the situation before the farmers of Canada and to cafeguard the producers from loss in the undertaking.

## Bran and Shorts

By licensing the Flour Mills, the Government allows a profit of but 25 cents a barrel on the flour only - the bran and the shorts are to be sold at cost, which ensures the farmer getting this feed at a moderate price.
Steps have also been taken to prevent the adulter-

## United States Corn

The United States has the greatest corn crop in her history-more than $600,000,000$ bushels in excess of 1916 and nearly $250,000,000$ pushels more than the bumper crop of 1915. The United States will have a large surplus for export which will be available to Canadian producers.

Because of the shortage of the 1916 crop, and to prevent speculation, the United States has sold its corn under license.

The licensing system will not likely be used in connec ion with the 1917 crop which will be on the market about he middle of December, but the United States Govern speculation. peculation.

In the meantime, anyone in Canada can import American corn for any legitimate purpose, such as for feed, by obtaining a license. Application for license is made through the Canadian Food Controller.

## World Shortage of Meat

The world shortage of meat indicates security as to the market. The depletion of the herds of animals in Europe is proceeding with increased rapidity, there now being $115,000,000$ less animals in Europe than before the war.

## Allies Killing Animals

On accoulint of the scarcity of ocean tonnage the Allies are adopting the policy of slaughtering their animals to save the space on the ships occupied by the grain hitherto imported for feeding these animals. They prefer to import bacon rather than to produce it, because a given weight of bacon occupies, very much less space on board ship than would be required to accommodate the grain it would be necessary to import for the production of hogs.

The Government of Canada is making arrangements to control the spread between the price received by the grower and the price pald by the consumer. The producer will be assured his fair share of the price paid by the consumer.

## Bought Through One Channel

The buying of the meat for the Allies will all be done by the one Commission representing the Allies which will be an influence in stabilizing the market and preventing wide fluctuations in price.

The Allies are dependent upon Canada and the United States to save the meat situation in Europe. Many shops in Britain have no bacon at all for sale and for some months past the rising price of bacon has been simultaneous with deterioration in quality, indicating an increas ing and general scarcity of this commodity.

## United States Committed

The United States has committed itself to increase its hog production by 26 per cent in 1918.

The determination and fighting spirit of the heroic Canadian troops in Mlanders is one example of what Canadians can do when called upon. The appeal is to Canada as well as to the United States to provide the boys in the trenches with their daily ration of $1 / 1 \mathrm{lb}$. bacon per Britain, France and the womeh and children of Great Britain, France and Italy with the food they so urgently
need.

## SAVE THE YOUNG SOWS

Their progeny will be a vital factor in winning the war. A young sow slaughtered now will only produce about 150 lbs. of meat. One litter will yield many times that quantity.

## Dominion of Canada Department of Agriculture live stock brance

## Make a close study of your Market

and marketing condtions. It may mean dollars to you<br>to study these types in relation to market quotations

Brief description is given of the three outstanding types of beef cattle -steers, feeders and stockers-as shipped to market, and the detair that attends the weteiptand'sate of your stock at the yards. 1 When a car of cattle arrives at one of the central markets, the number of the car and the name of the party or firm you are shipping to is noted. The cattle are unloaded, weighed and dis tributed to the pens of the commission firm you have shipped to They are then ready for the salesmen.

After sale, they are weighed to the buyer. The proceeds of
the sale, less the actual charges, are then remitted to the shipper. These charges are

Unloading-\$1 per car
Yardage, or use of pens -25 c. per bullock
Commission for selling- $\$ 13$ per car
Insurance-10c. per car.
Freight-If freight was prepaid there is no deduction
The ordinary stock car will easily hold 16 choice steers, of 20 feeders or 25 stockers.

bs, well


GOOD STEER-May be of fair conformation, , bu acking ineither qualityor finish. Agreat manysteers good weight and finish, they are inclined to be coarse.


COMMON STEER-Is likely to be of light weight rough and coarse, and not capable of taking on the high, smooth finish of steers of good quality


INFERIOR FEEDER-Rough, angular, devoid o natural flesh. Possesses the conformation of a dain ather than a beef

GOOD STOCKER-Weighs from 450 to 800 lbs , beef type, good quality, in fair flesh but not iat. A
stocker steer in intended to be carried over for a
considerable length of time, and therefore stockers considerable length of mee, andition These pictures are used entirely as types, and do not reflect merit or demerit upon any breed. Each of the
recognized beef breeds in Ontario, when properly finished, produces choice steers. There are many sub-
divisions of these classes, but the above are the olistanding types of market cattle. These pictures are used entirely as types, and do not reflect merit or demerit upon any breed. Each of the
recognized beef breeds in Ontario, when properly finished, produces choice steers. There are many sub-
divisions of these classes, but the above are the outstanding types of market cattle.

COMMON FEEDER-Lacking markedly in qua ity, conformation and flesh. The word "common" always means lacking in quality in speaking
beef cattle.


MEDIUM STOCKER-Weighs from 450 to 800 lbs., of fair conformation and quality, but lacking ini condition or quality in comparison with good
 tockers. divisions of these classes, but the above-an mention with feeding and marketing of cattle, write to
ONTARIO DEPARTMENT OF AGRIGULTURE


[^0]:    Letters Beaver Circle Notes.
    Letters written by Helen Gilbertson
    and others are not printed because
    written on the sides of Mritten on hoth sides of the paper. Don't
    orget next time, girlies.

    Riddles.

