## 

## PUBLISHED EVERY WEEK. \$1.50 PER YEAR:




## Prompt Shipments Assured And Quality Guaranteed

Manufacturers; to-day, are laboring under difficulties, because of the scarcity of materials, shortage of labor and delays in transportation.

Notwithstanding these difficulties, we are able to assure good service, and can make prompt shipments of telephones and telephone materials.

We are maintaining the same high standard of quality in our telephones as we did before the scarcity of materials developed. The instruments we are making to-day are fully capable of sustaining our reputation as makers of the highest class telephones.


## Free Bulletins

The No. 3 tells how to build rural lines.
The No. 6 describes our rural telephones.
The No. 5 describes our PrestoPhone Automatic Systems for large factories.
The No. 7 describes our small private systems for homes, garages, etc.

Everything we sell is guaranteed and we carry everything required for equipping a complete telephone system, no matter how large or how small.

We are the only INDEPEN. DENT company manufacturing telephones in Canada for the INDEPENDENT operators, and as such solicit the patronage of all who have the interests of the INDEPENDENT telephone movement at heart.

Our prices are right. Let us estimate on your requirements during 1918 .

## Get the Most from Your Seed-Increase the Supply

FOR MORE THAN HALF A CENTURY THE NAME VAN BRUNT
HAS STOOD FOR THE BEST IN DRILL CONSTRUCTION
The Van Brunt is made to operate in mud, gumbo and sticky or trashy soil without choking or clogging.

The Van Brunt is fully warranted to do first-class work in any soil capable of being seeded.


The working part of the disco are the bearings, which are guar anteed for life of the machine.

Constant improvement has resulted in this drill that will plant any variety of seed, from alfalfa and flax to bearded oats, corn and beans, in any desired quantity, in any soil capable of being seeded

Improved Construction, Overcoming Unnecessary Weight and Strain Has Made the Van Brunt the Light Draft Diill. see your nearest dealer or write:



FISH NETS

## $\Gamma$


-uns. TRaps. sportime goode JOHNHALLAM, LImIted $\frac{\text { 7B2 HALLAM BULLDING. - TORONTO }}{\text { DUNN CEMENT }}$


Gasoline and Kerosene Engines
 A. R. Lunds, 251 Weat King Street, Torroto


The Safest Matches in the World, also the Cheapest, are Eddy's
"Silent
500's"

SAFEST because they are impregnated with a chemical solution which renders the stick "dead" immediately the match is extinguished.
CHEAPEST because there are more perfect matches to the sized box than in any other box on the market.
War-time economy and your own good sense will urge the necessity of buying no

The E. B. EDDY CO., Limited hull, canada


THREE and FOUR-HORSE EVENERS Patented in Canado and U. S. A fuul line
made for ail farm machinery. Has many

0.A.C.72 0ATS Which is the best yielder and most improved
variey now grown in ontario. (unr supply
arown mat
 John Elder \& Sons. SEED Growsas

## I

March 7,1918
THE FARMER'S ADVOCATE.


Give Your Crops a Better Start
A Peter Hamilton Spring Tooth Cultivator will work your soil into a
perfect seed-bed. It is designed to cut every inch of the ground and perfect seed-bed. It is designed to cut e
cultivate it thoroughly to an even depth.

## Peter Hamilton Cultivators

have specially constructed sections that give the teeth great freedom of
action. They are so flexble that a ridge and furrow con be thoroughly action. They are so flex.ble that a ridge and furrow can be thoroughly
cultivated at the same time, and hard, rough soil scldom jerks more than two teeth out of the ground at once. The teeth are made
high-grade steel with reversible points. The frame is strong, wellbraced and properly trussed
Send or or our fred
mivits
livator. the this culDealers wanted
The Peter Hamilton Company Limited
PETERBOROUGH


20Raise bidor crops with Planet Jr.tools You can't meet the urgent need of cultivating increased acreage this year with old-style out-of-date tools and meth-
Get be readily used by a a woman or boy. Fully, guaranteght they can
No. 4 Planet No. 4 Planet Jr Combined Hill and Drill Seeder, Wheel-Hoe, Culti-
vator and Plow snws all garden seeds vator and Plow snws all garden seeds (in drills or hills , plows. pepens furrows and
covers them, hoes and clitivate all throuht the seasons



## A Truck for the Farmer

F
ARM equipment which will effect a time and laborsaving, and therefore a money-saving, must be carey considered by every good farmer now-a-days.
The farm wagon, which for years was the most useful of all farm equipment, is now being replaced on the best farms by a sturdy, dependable motor truck. The truck will haul any farm product-fruit, grain, vegetables, stock, fertilizer, or wood-around the farm, or to the town or city many miles distant, in half the time, and at a much lower cost.
The Ford One-Ton truck is a rapid, economical and very serviceable means of transport. One of these on your farm will save you weeks of time in a single season and will enable you to pass through a crisis of labor shortage with less difficulty
The Ford truck is supplied as a chassis only. This permits you to select any of the many body stỳles especially designed for the Ford truck and already on the market. Thus you can mount the one which suits your individual requirements.

Price $\$ 750$ f.o.b. Ford, Ont.
See any Ford Dealer in Canada, or write for a catalog
Ford Motor Company of Canada, Limited Ford, Ontario


Three of the many body styles that may be mounted on the Ford truck chassis

## Steel Rails

for Reinforcing Bridges and Barn Driveways.

CUT ANY LENGTH
JNO. J. GARTSHORE
Baled Shavings
for Sale






GRADE NO. 2
PURITY NO. 1 AND EXTRA NO. 1 If your dealer cannot supply you, write The Albert Dickinson Co. Chicaco sed merchants
CHICAGO, U.S.A. Established 1885

## CLOVER SEEDS <br> comed



TrueVisorous \&Reliable


Early Oats R Doucas, Bags free.
?


## Order Farm Machine Repairs Now Delay May Mean Loss




 verf stoily ivent manntaturuer and agent in Canadat realizes




 ordur at once. This is the ouly way you can be sure of having
the inw parts in time for use







International Harvester Company of Canada, Limited





Make Sure You Get ALL of Your 1918 Corn Crop by Turning It Into Silage
About 40 per cent of the total stock food material in the corn plant is in the stalks and leaves
When the farmer harvests only the ears he loses nearly
ne-half of the crop. On the other hand, when the crop is put into the silo, there is practically no loss.

Are you equipped to get all of your 1918 corn crop?
IDEAL GREEN FEED SILO
Thousands of Canadian farmers are providing "winter pa for their cattle-getting 20 to $255 \%$ more milink at 15 to $20 \%$
less cost for feed by using Ideal Green Feed Silos Why not profit by their experience?
Our illustrated catalogue, which will be mailed to you on
request, tells why the IDEAL is the best silo you can buy.
THE DE LAVAL COMPANY, Ltd. LARGEST MANUFACTURERS OF DAIRY SUPPLIES
 workers. Catatosues of ony of of our ines mailed upon request. MONTREAL PETERBORO WINNIPEG VANCOUVER
50,000 Branches and Local Agencies the World Over


Nindor




## Cypertana

Lught Four Model 90
Touring Car


## Now is the time to get your Overland car

"Since the advent of the reaping machine, no other invention has been so beneficial to farmers as the automobile."
And when it comes to farmers' wives, what compares with the automobile?
The fact that farmers have bought 60 per cent of the cars we have built, we consider the greatest evidence of their value.
For farmers, above all other business men,
need and look for those qualities of performance on which Overland supremacy is founded -efficiency, dependability and economy.
Farmers particularly need the room and riding comfort of the Overland.
Farmers' wives tell us of their appreciation of the style distinction of the Overland.
These Overland qualities are of even greater importance today when
time and energy are demanded on the farm as never before.
So now while thousands of other farmers and their families are saving time, energy and money with this Overland Thrift Car-
We suggest that you let the Willys-Overland Dealer show you how this same Model 90 will earn its way for you.
In your interest, today is none too early to place your order.

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# The Farmer's Advocate and <br> PERSEVERE SUCCEED* Home Magazine <br> ESTABLISHED 1866 

LIII.

## EDITORIAL.

Coord pigs will be of more value to the country this far than scrub calves.

The Russian situation will only increase the Allie: Intermination to win for the people.

Writers are enquiring about the use of old turnit and other seeds this spring. Test first and then sow if

If you have any left-over seed corn from other years
st it, and if reasonably strong in germination plant it, mined with the available corn this year

The live-stuck breeders are going the right way about ci proposed International Winter Fair. They plan th
kieping the home fires burning has been some jol thi- winter, but Canadians should be thankful. This

The horse is coming back. Men who have watched
he ups and downs of the horse-breeding business are
wokine for the greatest demand for heavy draft horses
h.11 Imerica has ever known.

Those who understand the situation saly
hional law will allow internment of enems aliens, lom nterned men cannot be forced to work.

Cimadian farms are again dependent upon the momtary system to supply labor. We hope it does not
tall down, but would suggest that the campaign to get tall down, but would suggest that the campaign to get

In excellent tribute to the spirit and valor of Toronto iniversity men who have donned the King's uniform the fine Varsity Magazine Supplement recently issued. niversity men have been true to their colors from the beginning of the war

It is not likely that the tractor supply will be large Wir the spring work in Eastern Canada, but delivery not on the land for seeding should be placed for summerHllow and after-haying plowing.

We understand that Canadian farmers availed themof the opportunity to get loans for the purchas ud last year to the extent of $\$ 142,000$. The same ges are to be extended this year, and anyone in of help to purchase seed grain should avail himself opportunity

## ge growers in Eastern Canada will have to b

with southern-grown corn for seed purposes
c varieties allowed to come across the border are rew late-maturing, coarse-growing sorts, such as h . outhern Sweet and Red Cob. Only 500,00 week we publish articles explaining the prices bran and shorts. There seems to be some mis nding in the minds of many and some con
t overcharging. Moreover, as far as we know
em, although hints are made in some quarter illers aphough hints

LONDON, ONTARIO, MARCH 7, 1918

## Voluntary Farm Labor.

selective draft to ensure farm labored some she to make posib. he increased production so vitally to make possible present time. It does seem, however, as if nothing of this nature is to be accomplished this year. Owing ty difficulties in the way, the covernment seems likely to follow the voluntary system again, and perhaps th push it a little more strenuously than was the case the as ero or three years. The Federal authorities seem hands efaving the matter of farm labor largely in the hoped that a start will be made immediately: Dr Riddell, of the Trades and Labor Branch, has se the objective for the campaign in Ontario, 15,000 chrece the ages of 1.5 and 19 sears, inchisice. believe the number of boys set as the Dominion objective 2., 1) Reddell hopes to get - 500 in r. Ricm men those who will on for a sum having and harvesting he hopes to get 1.) 501) Arrangements are now under way to secure these mon and men. If they can be had, are farmers ready to bake them on as helpere? We sumgest that the Demate memt, in their advertising notices destined to reach the farmer and draw him out regarding his latoor needs, tate the number of boys and men they actually have available at different times, give a description of the rent farsor is, and state the wages expected. Dif ill be ready to pay wages accordingly. Then farment equiring help should send in their requirements prompt 6. L.et us bury prejudice and get down to business. Farmers are good people. So are city folk:. A little more of the get-together spirit would work wonders $\therefore$ either side should expect it all. But for the sake of production and the Allied cause, let all dilly-dallying stop. Make all arrangements early. Aliens cannot be conseripted for the farm. International law permits ony of incerment, and internment means hat tie obeets or bor bemetit of objects to conseription orhater hey beneht of pany rate it would be folly to oliect to anything in reason any rate it would be folly to object to anything in reason

which would strengthen the armies of democracy. Forod which would strengt then the armies of democracy. Ford for the farm is to be the practice again, the best possible use should be made of every existing agency that will help in any way whatever

The Fruit Growers' Dilemma. Fruit growers are asking what is to be done thi-
coming season in case a large crop of apples results in British Columbia, Ontario and Nova Scotia, with the embargo still preventing exportation overseas. The situation is viewed from a different angle by the growers in the Atlantic and Pacific Provinces. British Columbia suffers from competition coming from across the line even in the face of a 90 -cents-a-barrel duty. The growers in British Columbia would like to see an (embargo, prohibiting the importation of apples into Canada. The Nora botia apple growers, on the other hand, find a gooed market in the cities of the Eastern anve obstates remmened that would tend to obstruct irade. Thus it is that the two wings of the country cannot act in perfect unison when it is vitally necesary

There has probably been no Canadian industry harder hit by the war than fruit growing, and legitimate aretment- should be protected to the fullest possible once to dixountenance anything in the nature of an first, the friendy and reciprocal relationship existing be

Ween the two countries, making it pex-ible for us to ontain commontities which are absolutely necessary: pplecond, the fact that Canada wishes to expor manipulating of tariffs or embargores would help British Columbia, for that would simply mean a greater influ at the Eastern crop imo the Pratric markets and com metition against a protuct that might otherwise go to he tasern sates. There are other points also along he boundary lime of four fousad miles that enjo The wholto if ox exhanging fruts in different season:
 only an all-Canadian conference of fruit men, such a A great effort should be made to utilize all low-grade apples and keep them off the market in the raw state pples and keep them of the market in the raw stat Institutions should be worked to capacity in an endeavor (o) make the low-rade product nom perishable and at the same time marketable, without weakening the trad terein lies one of the most promising opportunities which might be developed in the interests of apple rowers. This is no time for pessimism; orchards have feen neglected during the last three or four years, and exe en toueh with conditions do not expect to see a an soxt ๆuat a rmain stead het will, no doubt, come through all right, and after (prouster they will be in a position to enjoy a period

## Loans and Seed

L.ast year the Covernment in the Province of OnArio made arrangemente wrow the Bankers' Association Werchy. farmers neading money. for the purchase of see were enabled to get a loan up to $\$ 200$ at their of seen branch baul provided they could atisfy the banker a to their rellability and that they were going to use the entire amount borrowed for the purchase of seed. The cheme was not announced until early in May, too late or the offer to be taken the advantage of that might have been the cate had the arrangements been made carlier in the season. However the same arrangements are already in existence for this year and any needing inter seed and requiring a little extra cash to be used , purchase of the same should make use of this opmost crome There is no excuse to sow inferior seed of ery farmer year. (soox corn will be scarce but mery larmer should at least get the best seed proande of all crops sown or planted. In this conner Marquis an supply of vailable to Ontario farmers at 8274 per bushel and winter wheat and not sown owing to difien prepared for in getting the fall whet seeding do or on land fal is in a high state of fertility and tilth and suitable for wheat growing it will doubeless make a yery catifas tory cron for this spring. It should the remembered that the Allies require all the wheal Canada can produce. We are not advising anyone to go strongly into spring wheat growing in Ontario. A great big yield cannot be expected, but on choice, well-prepared, fairls heavy rich soil a reasonably good and paying cro could be expected in a favorable season. Suppose it would not be a bad crop to grow with wheat at time prices. Think it over. Do, not sow wheat peorer land. ()ats would do better. But if you have field that could be reasonably expected to produce. fair yield of wheat, why not try it? Up to 30 bushelor more per acre is possible but the average is likely in a kood year to run around is buthels

The Farmer's Advocate
AND HOME MAGAZINE.
TIII:






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 Representatives of
Draft Breeds
Percherons and Clydesdales.





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LIVE STOCK.






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Calf Slaughter From a National Viewpoint.




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Mạcdonald College Swine Breeding Policy


 of these facts, results are speedils ascert. On account in chasing what may only he
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the Animb Hushandy Wepartment,
the Horkshites: "We are guarding aie
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Feeding and Breeding for B

A Pair of Macdonald Flossies at Breeding Age

Breeding-Age Experiment


The colon honse and sheds are toxth in fuyor af the Collcge, but P'of. Barton favored the shed for bromal cows thas heel found easier to make the sows comfort the norking one the cleanymgse from the horse stablere is

## THE FARM.

Co-operation the Life of Trade

is the truth. As well say that war increases a nation's and high prices. No, Co-operation is the ultimat aw of hite, and life of Trade-Co-operation, not competi

Brant Co., Ont.

## The Sugar Maple and the Food

 Situation.Editor "The Farmer's Advccate":
I am pleased to note your February 14 th editoria $I$ am pleased to note your February 14th editorial
advocating a special effort in maple sugar making this cane sugar, due to the enormous talling off in beet sugar production, it is, as you point out, important that we
in Canada avoid drawing unnecessarily upon the world's supply. We should endeavor supply. We should endeavor to conserve both sugar and A point worthy of emphasis is that the sugaring season offers the greatest opportunity for adding to our store of food that we shal we can conserve and use to better advantage the harvest of last year. We can eat the more perishable products, such as vegetables, now and save those more lasting,
such as cereals. We can save the noble cereal, wheat, to some extent by substituting the baser ones-oats, barley, rye and corn. By animal feeding we can convert the coarser products of last year's harvest into edible
products-milk, butter, cheese, products-milk, butter, cheese, eggs and meat. But by
none of these means can we get a new crop from the ground. The sugar maple enables us to do so, and that before the other active work of the farm begins. More-
over, this earliest harvest is one in which the villater as over, this earliest harvest is one in which the villager, as
well as the farmer, may bear some small share children can help, and no work will appeal more to them. The little sugar any one of them may make on the kitchen stove may appear insignificant, but if a sufficiently
large number enter into the duction may add materially to our supplies-to say nothing of the educative value of the work. In one tow in Vermont last year 130 boys and girls, averaging
thirteen years of age made maple syrup or maple sugar. Three boys of one family actually turned out three tons No doubt these brothers had a modern evaporato at their disposal but the majority must have used more
primitive methods. Those who are making may be interested Deparmment of Agriculture has an an excellent and beautiformer member of "The Farmer's Advocate" editorial staff, J. B. Spencer. This describes sugaring with modern apparatus, but just at present it is difficult, referred to, because the manufacturers are allowed to import so little timplate. However, any tin or enamel ware or aluminum pot or even a clean wooden pail iron buckets are to le avoided on account of the -plated of poisoning, and plain iron buckets are apt to spoil the color and flavor of the sap. Untinned iron spouts are objectionable for the same reason and wooden spouts and
buckets are liable to become fouled with organisms which spoil the sap. However, iron or woode spouts will serve if nothing better is to be had. If they
get foul they can be taken out get foul they can be taken out, boiled and put in again over the burkets help to keepp the sap clean Aser. Covers
As you have stated, the tap hole should not he over one-half inch in diameter and need should not be boved more
than from one to two inches deep. The tapping should be dene ot a point where the burk took herithy should
a height of athut 30 inches from the ground. The south
side side of the tree is prefered hut g goond ground. Thay be south ed even on the north. There i no otjection to tapping
in mote than one flace. All large thes ought to carry
more than on - huck.t thi, wear
 orgmems are killed be then berifing hend Their micro-



 These methols with not give a syup of thin with sap. make, and sone sldfashions do, promple act tally prefer

 though not the most accurate in the "dipper tat," in a narrow stram the syrup, is not finithet. It it hambe should be poured without delay:
The other two tests cach require atl instrument one a thermome tersts the oth require an insthument
thermometer should be first placed in lowilime wer. The
the reading taken. This may not twe exactly 212 degreec pressure at the time or (3) altitude of the sugar bush
The thermometer should then be held or hung in the troiling sap and its rise noted. When it reaches a point seven degrese higher than it read in beiling water, the
syrup is finished. With the hydrometer still more exact results may be obtained as his instrument is suljecet to
only the first of the three sources of error noted above. only the first of the three sources of error noted above
The Government bulletin recommends a reading of $301 / 2$ degrees in the boiling syrup. Our obecration hat been that farmers using this in trument have a tendency hat $301 / 2$ denerecs is too tyigh or Whet her this means runs his syrup above $301 / 2$ degrees so as to be sure, I cannot Vermont ref the most experienced dealers in syrup in Vermont recommends boiling to $311 / 2$ degrees hot. At in properly finished syrups. Ise the hot reading which corresponds to $35 \frac{1}{2}$ degrees cold. Hydrometers made pecially for use in sugar solutions are often calledWhen finished the hot syrup should be poured upon a cet or flannel strainer suspended over a pail or large
milk can. This takes out the precipitated sugar sand and lear. This takes out the precipitated sugar sand


Western Rack-14 ft. by 9 ft .
For sale it is usually more profitable to make syrup are available it will pay to stop boiling when or bottles stage is reached. For a good quality of sugar it is sugaring. For hard sugar resume the boiling and cone higher than in thoiling water or until to 3.3 degrees ladled out on to ice or packed snow forms a cake which stopped at 26 to 28 degrees above the bing s. temperature. For maple cream the syrupp is pouter
off into pans, when the temperature is 15 off into pans when the temperature is 11 to to 20 , peourcel
above that of boiling water. The pans are set into or cold water and the syrup allowed to cool quictly degrees. It is then stirred an ordinary rom say ion paddle with a handle wide enough for the two hands
A test used to determine when syrup has hen broiled
enough to make muple cream is to make tien


Plan of Western Rack-14 ft. long, 9 ft . wide.

## Stick-to-it-iveness

## Surn

nd, calline my attention to a man and wome the city, strect, said: "Those people are moving again. They ouly stay two or three weeks in a place." And then re(erring 10 himself, he said: "I never like to stay longer that." Well, I thought, you are like a grown-ups- forever wanting to change their place of if esidence and occupation. It is not to be wondered at them frequent examples along that line. relatives are as much to blame as the individuals themclues who prove to, have no stability of purpose. Of
he's a rolling stone and its bred in the beone
He's the man that don't fit in;
They are aways thed of the things that are
They say "Could I find my proper
What a deep mark I would make, ${ }^{\text {Wroove }}$
they chop and change and each fresh move
Is only a fresh mistake.
It is only those who stay with the job, whatever that job may be, that accomplish anything. The others
are but pawns in the game of life. We admire are but pawns in the game of life. We admire the men
who have staying qualities. I have in mind such an one now- the faithful mail carrier who brings me my daily paper. Two quite lengthy trips he makes every week-
day, regardless of the weather. Sometimes, when the day, regardless of the weather. Sometimes, when the
roads are blocked with ice or snow, he reaches his farthest point on foot. It is no snap to get up winter and summer at 5.30 , drive up town so as to reach the post office at eight o'clock and then deliver the mail on
t wo long country routes before six o'clock in the evening But that is his daily stunt, (I wonder if we people in the country appreciate as we should the work of the rural mail carriers?) His wife and family would like
to have him quit. He is not to have him quit. He is not young, and not badly in need it year after year. The reason why-he has the spirit of "Stick-to-it-iveness."
The men who made good in our Canadian West were mell who had the same spirit. All through the Prairie
Provinces you will find the deserted shacks who quit the job. But many in spite of remoteness from To-durs, loneliness, and poor crops, stayed with it So it was with the pioners confortable and prosperous. hardships and dancers, enioving comforts few "Facing persevered in the big task they had undertaken. They o-it-iveness." relative, Jotho Bull. Duracteristic of our friend and near faced some hard propuritions, but poscessed of has
quality he has generally come through wwith To-day he faces the hardest trough with flying colors. will tax his strength to the limit, but he will not fail. He Coming nearer home there are thousinds of Canadian farmers who are lacking in this spirit of stick-to-it-
ivenes. I know there are what some Casuns for quituing the farm-shortage of help, in Creared cost of living and production, and other things, hut there are bet ter reasons, we think, for stay ing with
i1. First and feremost, if we are at all it. First and foremost, if we, are at all desirous of helping
on the canse of libery, justice and world peace, we can
ito lar mone oly taying on the land than by entering
ant ont her callion
 armien of che Allies, that should be becompense enough.
Then we tom (1) mur we require mone stick-to-it-iveness in regard Nranization. Many farmerss join a club
thes can't have things their own way or
pore ... hrow op, the, sponge and party. That is
How

 13 har yers look after thenr own interests
wiviluged classes. It is not enough
 (ther, not to prejudice. As farmers we of Mherla, by standing toget her, have and wling, hyut through advanced ninent adopting the system liy a repreentontative barmer, mier of the Province. Allied
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great struggle to make "the great struggle to make "the
Only
hrough unity can we 11 mean ourg unity can we
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ate Thil in the great cause of


Farm Women and Outdoor Work．
Having read the two articles in your issues of Fel Th and 14th，respectively，I am stirred to write this etter．My first thought is－＂How much work is a wife and family are haunted by the word production I think that most farmers are doing all in their power along the line of production and if the Covernment asks
them to produce more and eat less how is it to be done？ We could all eat less in the line of pie and pastry，etc but we must have the right kind of food that we can
relish and not have to go away from our meals almost as hungry as we sat down if we are to be able to keep up much of as we did before the war started．I don＇t think that the farmer＇s wife should he urged so much to work in the fields while our Covernment allows
alien enemies to hold us up for $\$ 50$ and $\$ 7.5$ a month with board and a good house only get \＄1． 10 per day and why should the e foreigners get so much here？I don＇t think anyone should insist upon farm women doing so much field lator any more
than that other women should do the same．I re－ member speaking to some city cousins not long ago
and I said to them why do not vour father and mother come and live on a farm when there are so many girls nuch bay of you，and the answer I got was there is too become a slave by working in the fields to help produce
more，what will become more，what will become of her health？She will be a
wreck in a few years with no pleasure for herceli wreck in a tew years with no pleasure tor herselt or
those around her．And，further，if by working so har her health fails and a doctor has to be called who will come good for the expense？We will have to face that question ourselves and pay a hired girl if one is to be had
What will the offspring be if a wife and mother has to do a man＇s work and what care can a mother give
to her young family under such circumstances？ would like to hear the opinion of a good，sensible， medical practitioner．Why are the young women our grandmothers were？I think it is because our mother and grandmothers had to work too hard in their pioneer pal，reason that there are so many weaklings in these
days．If a farmer＇s wife does all her household duties every day and does them well she will not have much and keep it clean，and if she is a th：ifty her garden and keen it clean，and if she is a th：ifty woman she
will endeavor to go over it once a week at any rate． This will be done in the spare time after she gets her morning work done．I know of some farmurs and theit get probably 9 or 12 cows milked for the factory．Then he woman has breakfast to get for husband and four or five small children and has to wash and dress the work in the house begins．Then comes the weekly washing，ironing and baking of bread，pies and cakes as the case may be，with ironing，mending and darning to attend to，and I think every farm home shove them some choire flowers where hens，chickens and dogs will not destroy what it took time，patience and a little discouraging than go out some fine is nothing more the dog stretched out on some fine morning and be nearby chickens or hens digging them out．
$\qquad$
 cannot do both howework and farmwnk，She should
be abl．，to do mot of the sewing ambl ati the knitiny
for her family and that is mot a small item where there
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$\qquad$


Another Idea For Silo Filling．
filling silos．All the rest of the work has to stand as dry bones of the past and it is up to the people of the help is so scarce it is difftcult to get enough hands a caum
a filling outfit properly，and this therefore is the cause of leaving thousands of acres of land not prepared for spring crop．I would be pleased to read any suggestion or against this plan in your paper

## Balanced Rations and Spareribs

One the rakmers admocate－backed visitor，ol but always new，that reaches us once a week，that it i point of view，that might seem a doubtful commendation But it is just possible for us to override the＂practical horse．Readers of Dickens will remember the ex－ remely practical man in＂Hard Times，＂Mr．Thomas
Gradgrind，retired hardware king，whose head was warehouse of facts．He figured as the patron and director of a model school for young hopefuls where ghe one thing needul was－Facts．Teach these boys and life．Plant nothing else．Root out everything else． Nothing else will be of any service to them．This is
the principle upon which I bring up my own children the principle upon which I bring up my own children．
Stick to Facts，sir Thomas Gradgrind who proceed upon the principle that two and two are four and nothing over and who is not to be talked into allowing for any： pair of scales and a Gradgrind，sir，with a rule and a pocket，ready to weigh and measure any parcel of human ancy！Wo tell you exactly what it comes to．No Factsi Remember that，Mr．McChoakumchild．People know what came of Mr．Gradgrind＇s theories．So we
folks on the farm take it as a compliment when＂The Farmer＇s Advocate＂assumes that we think of some other things beside the price of hogs，the elusive hired man， and balanced rations for cattle，or other stable boarders who are swiftly eating their heads off if Mr．O＇Connor the cost of living man，or somebody else at Ottawa，o everything doubled in price and heaw．husing to berly done，as is the case for the farm，we are in no risk of lorgeting stern realities ike the purchase and pre ing our feet very far above mother earth on the snow banks．We therefore welcome a few smiles，and Sandy
Fraser＇s pawky philosophy to lighten mp the gloom rraser＇s pawky philosophy to lighten up the gloom over
the prospect of floating the prospect of floating a renewal of our hiatory Note
at the branch bank or effecting an alliance with an exemption man in whose head tales of four dollars per day in a munition plant are buzzing．It is a ucky thing for us that man does not live by
bread alone and right here the Home lagazine also fits in to illuminate aspects of life，Miterature and education in a most practicable way．We are grateful to＂The Farmer＇s Advocate on our meatless lays ior a balanced ration which is just as good by the
evening fireside as in the cow stable or in the henh Variety helps to preserve one from going＂dippy＂over the newspaper accounts of Sir Bakem Spareribsslaughter－ house declaring eighty per cent．dividends in war time version of the head of the Canadian Manufacturers Association officially assures us is not so bad after all hs it is seldom，at all events，that we fail to make a
living．We may also be sure that the governmout will not be taxing our＂extraordinary profits＂and would centio．to effort nor deprive＂our＂Itestroys＂our＂in－ conusion can be taken care of．＂If the average farmer男 might asist him to cxpand when nearly every item in
hii means of production has gone kiting and he is in
duty lound not to mortgage hopelessly his own future

 ffected hose and orher acquisitions should he diretel
 Nond politicians a hand with Captains of Industry and politicians in the reconstructive business of making
Canada a better．country，in a better world．Give the balanced ration principle a proper trial in public passes it may never come our way again and who will count the cost？
Middllesex Co．，Ont．

## Experience with Town Help

Having read and heard so much about farmers ge ting help from the cities，I thought I would give my
experience with town help last summer．I had ninety experience with town help last summer．I had ninety－
eight loads of hay to take off，which had to be pitched on by hand as my hay－loader was worn out．As I was get a certain man to help me a few days before he had to go to help anot her farmer，but I did not get along very
fast as it was raining nearly every day．He just helped me half a day when he had to go to help the ot her farmer so then I was alone with no help in sight．The weather，
legan to look more like hay weather，so I cut down a mall piece expecting I would get a small hoy fown a neightor to load and drive the horse on the hay－fork Gut when the hay was fit to draw in my neighbor oldest son was sick and he wanted the little boy himself （he was just letting him come for accommodation any up the team and went to the field for a load of hay． I would pitch some on，then get up and tramp it．By getting on the load and tramping four times I could put thirty loads of hay in the barn by having my wife drive he liorse on the hay－fork．
Tone I was getting pretty tired and would hayty loads pretty nearly anything for a good mand have given with the rest of it．There were a couple of town men et one of theme repairing to the house，so 1 tried to ng until finally one of them took out his watch to see he time of day（it was about ten o＇clock），so he said he hay onelp me the rest of the day if I would pitch the fold him to＂come on．＂I started for the field with my man．While on the way to the field 1 offered him dollar and seventy－five cents for the afternoons to the house．He said it was a bargain．I felt then as
if a ton of weight had been taken off my shoulders． I pitched the load on very carefully as I would for a hoy．When we came to the barn he drove the horse on the hay－fork while I was handling the fork．Then we hot in the mow to level it．When we had a little over would＂bunch up some for the next load with the rake and he just looked at me and said，＂Mr．，I can＇t，＂and had finished mowing it away and bunching the hay Then we took in two loads after that，but he did not et in the mow any more．He just loaded and drove the horse on the fork．Then as I had a little help I
thought I would cut a larger piece of hay so that we would he kept busy．When the hay was ready I asked him o come and help me to draw it in，and he said he guessed him but got no results．There was nothing for me to do but go at it alone．As the weather was goot the hay gotten a little too dry before I got it in．While I was working away alone another town fellow came along
mind agreed to help me a few days the next week．The
 Started to draw in after dinner，the other man and his son with their team and the town man and I with my
team．I Inithed on and went in the mow while he was
to load He starting to fill a mow that had now hay－fork track．He loaded about half Then we went out and put on another load and I had to
help，himp pith it off．We had a small hoy raking，so
I had him change phaces with the boy while we put the next load on，then I hat him come to the barn and and his onn waiting．He would not keep the ot her man we came to the harm he went out of the barn and lay w．s all low pithing that day：（You will note that tid＂Yise，he I aded him in hum houldede of cut hay，and he
 End another than and hlan went out for a load while we Then we he hime trive the wam on the hay fork rope
 the of hat then－whuld in or week．This is nothing hat

March 7, 1918

## THE FARMER'S ADVOCATE

help to keep bread from moulding. In conclusion,
would say if the Government wants what they ar crying for (greater production) they have got to leave crying experienced farm help on the farms.

Elgin Co., Ont.
NOTE.-This year it is doubly important D. D. help possible be supplied for the farm. It must be remembered, however, that farm work requires strength and ability, and we agree with our correspondent that
in so far as possible experienced farm help should be in so far as possible experienced farm help should be
left on the farms. It is possible that others of our reader yot good results from town help last year. We know

The Wide Sleigh Favored
editor The Farmer's Advocate
Just a word of commendation on what your Wentwider sleighs.

I think there should be a standard of not less than 4 feet, and a penalty for any made narrower. It load, or drive unreasonable to expect to balance a high

I would like to see interest enough taken in this important matter to make wider sleighs law. It wouldn't affect the cutters now in use, as they would run just as well on the wider road as they do at present, and I bein in would pay the farmers and other users of sleighs in one year the expense of hating then widened, as it spet load or to se 11. . upset load, or to sce one horse putting the stigh while the other one is led lehhind after a heated crowding

## Automobiles, Farm Machinery and Farm Motors

Things Technical.

nor less than that one spring is used but the curve i
upwards while in the case of the cantilever it is down-
ward The "on wards. The "one-man" top is the style that is connected car, there being no bows in between for surch of the purposes. One man can loosen this top and throw it
back. Where there are bows in the middle of the it takes two people to handle the top " "Gypsy", curtains all that space between the back and the first angular supporting bow. The "rain vision ventiating wind shield" is one that splits in the centre allowing botl pieces to revolve. When it rains the upper and lowe
half can be made horizontal instead of perpendicular and a clear view of the road provided. One piege wind shields are not safe in a storm because the water runs down them in a continuous film. The different types of
rear axles were described so recently by us that comment There are a number of arbitrary names for loodystyle but still a few have been used so continuously that
their meaning is now established. "Generally speaking we refer to "ouring" and "roadster" cars. Of the forme there is the "open" style which has a top made of mohair,
burbank or other light material. Thent there are closed cars. The "coupe" seats three or four people and a
"coupelet" or smaller "coupe" seats three people ""coupelet" or smaller "coupe" seats three people. A only one door on each side. "Limousines" and town
cars contain separate compart ments for the driver cars contain separate compartments for the driver.
In roadster bodies there is the "clover-leaf" in which
entrance to the back seat is secured from the same door as the front seat. The "Hecur-de-lis" type is along the
same line., Sometimes both of thene makes are called
"chumme".

## Storage Battery

$\qquad$ engine for use on a farm? I have not had any experience with battery or engine
Ans.-A storage battery is not a satisfactory battery engine to charge, the battery. When storage batterie und down you do not buy a refill but take the battery he current run through the battery backward for about lo hours. This charges the battery, When it runs
down again the process is repeated. You don't want to be without your engine two or three days every time
the battery wants recharging. I surmise that the battery you have in mind is not a storage battery at
all, but one composed of wet cells, which is an entirely different proposition. Some forms of wet cells are
sitable for use with make-and-break ignition, and vou can buy new plates and salt for the solution as required, but the kind to buy and where to buy them depends
entirely on the kind of batters. If you buy an engine

To Operate Hay-Fork and Slings With Engine

Ans-- lear your phan is not a men teasible one You say the engine is going to pull athout as fast as usually walk pretty smartly, problably ahout 3 to 4 mile per hour. At 4 miles per hour you would have to pull the amount the horses would travel would probably re about 150 feet. It would take some hustling to pull 6 feet of rope per second for 25 seconds and keep -pool, and this is true whet her you from slipping on the or walk out like the horses, pulling the rope after you. must he may be as short as possible pulley is late as large in diameter as feasible. The which limits the size. Perhaps a 3 -foot pulley would Ire as large as practicable with a $t$-inch on the engine.
If this size were chosen the diameter of the spool should ue 21 inches in order to give the same rate of travel as ,er hour. And what length? Pr Perhaps an average travel would be atout 150 , eet. This would mean
 that would require the spool to be 3716 inches long ay 40 inches to allow for the ropee not running as close together as possible. Inch rope would require a spool For a 16 -inch spool the length would lue one-third fer you want to drive as fat as homes going 2 miles ner hour the spoel should be $101 / 2$ inc hes in diameter It is doubtin it a $2-1$. p . engine would handle a lingful at 3 to 4 miles per howr. I should not expect it
o handle it faster than 2 mile. per hour at the very Another detan you woud have to work out would we a clutch tor releasmen the shol so ic would roll freely to think the pulling back misth be some 1 am inclined and if the rope had been pulled hand over hand in the first place there might the danger of its kinking while
beeing pulled back. IVe do not know of this plan having
W. H. D

## Canada's Young Farmers and Future Leaders

## Doing Chores.



When the mature stock comes under his care they are
well looked a fter. Things do well for him. When he
commences farming for himself the entire herd is kept
thrifty, whet her compoesed of pure-breds or gades the commences farming for himself the entire herd is kept
thrifty, whether composed of pure-beds or grades, the
fences are alyays in fences are always in repair, and nothing is out of place
around the buildings. A place for everything everything in its place is the policy. This and doing things at the right time have been factors which made for his success. But, who will deny that the foundation measure when a boy? The man cannot readily change he habits of youth
about doing the chores to
be the chief aim. Mangers are left dirty, cattle are
rushed in and out of the stable, and are beaten if they
do not immediately do as they are expected to. There are no regular hours for feeding, and the stock do no
look as thrifty as they should. Care and attention are important factors in stock raising. If the careless one would make a determined effort he could yet overcome some of his slip-shod habits. It will take time, but it
can be done if sufficient will power is exercised, If would be careful and diligent in the bigger things of ife he must commence by doing the chores right, and the habit will grow. No task about the farm, that is worth
doing at all, should be slighted. Your best work should doing at all, should be slighted. Your best work should
be done on the smallest job if you would become suc cessful in your business.

A Square Deal For Every Man Editor "The Farmfr's Anvocate":
When reading a recent issue of ".The Farmor's a When reading a recent issue of "The Farmer's Ad
catc," I noticed under the topic "Food for Thought, sentence: "Give Fvery, Man a Square Deal." It a great deal. Many cases came to mind of where the hired man had not been given a square deal by hit square deal had been given. A man is shortsishere a does not give his hired help a square ceal. No matter
how faithlul a man is he will do better work how faithful a man is, he will do better work if his em. ployer encourages him a little, and when a mistake imade to rectify it, rather than finding too num effort These words of sir Walter Scott frequently come to mind the man whoml I call worthy of the name for himself, whose hish purpose is hospaller thad principles and is never abandoned while heaven or carth affords means of accomplishing it either seek an ardirect advantags.
path to sectre areally good purpose." Hof take an out presses his worth so much as what he is himecelly. ired help is given a square deal it makes them mor have had a good deal to do with hired help la the Il my life and still have Iave taith in it with the old farm ber "If little labor, little are our gains; Men't formemare according to their pains", This may be good advice
for Canadas young farmers and futury land don't thinat there is anything better fuan the oulers farm
York Co., Ont.

Making Friends of the Birds
 carliest spring, and thinking of spring reminds on of the
 grower aike. Every paper and magazine is full of in-
formation, and peoplec who wre, in earlier days, callecd sentimentalists, lecause they protected birds, are now
proved to lave had a lot of wisdom mixed with theyir For several years I have been in the habit of provil-
 a sowstorm that tides all seeds from sight. I cunt
kecp the birds from freezing, but I can feed themm and kecp the hirds tron treezing, but I can feed them and
so help them to wihstand the cold. When we art
donip cleaning up seed wheat I put the servenings in a sack,
and I do the same when cleaning and 1 do the same when cleaning any other grain for
 whole fanily has amusenut and plranure" "while this
cold spell lats. I think last spring. we had more fow herwal witum-






#### Abstract

anu it waste, time to whet a beter float of wome drowned and still allow plenty of room for a cow's nose. I naiked and a heavy turkey cant titt it enough to slip into the I how that mirds can stand on it to gee at irme ory my plan for coasing and feeding the birds this coming spring, It will mean both pleasure and profit.


## Judging Dairy Cattle

## Emtor "The Farmer's Advocath"

Three main items are considered when judging dairy system. The constitution is an indication of the ani mal's ability to breathe in sufficient fresh air to keep a heateng hody, and heart room the system. Capacity is required plenty of blood animal to consume the greatest possible quantity of feed and the mammary system is the indication of a cow aility to produce. When judging stock, I always like because I usually get my placines from this observe because usualy get my placings from this observa-
ion. There are a number of important points which the udge must observe, and the head is one of these. iike to see a large, muzzle, open nostrils, the forehead wide and eyes far apart, prominent and alert. I prefer
ishoulder that is pointed at the top with no slacknes between the blades, and extending down so as to be fa rpart at the bottom, giving plenty of chest room. A
cow should not be tucked up at the foreflank sprung ribs, good width bet ween hook and pin bones

to see the udder attached high up lehimd and exten
ing well forward; I to not like a pendutout should the soft and pliather, show a pendulous newder. If The milk veins should receive due wons be quiterention should also the handling qualities of the animal
$\qquad$
$\qquad$


#### Abstract

the chase is called. inave found that ill homen indore 10 k.te around the ring, looking for friwnds houl the mind should twe concentrated on the work int When it comes to giving oral reasons, a peraon and. ndeavor to keep his nerves under cont a rol antil ont get When in the competition I do not the around the animals too mowh, hut prefer to stand lrowd werybedy is crowding around the ant the class. When chance to compare the different points. Consider the with you. When your first that he has equal rights find it a pretty good plan to remain liy into mind, imes out of ten the first impression is the nearest being correct, and to go changing around, unless you have well-founded reasons, simply gets one muddled.


## THE DAIRY.

If cows are not paying, who is to blame?
Good heifers seldom happen by chance. (i. H. Barr
Standard size cheese boxes may have to be use he near future

Why should prices of dairy products remain station-
There is no cheaper food than milk at 12 to 15 cent
In the past fourteen years the milk yield in Canada
as been increased by about 30 per cent
If the war ends now we can't get a way from the ris
of famine until $1919-20$.

- From a food standpoint, cheese is too low in price
as compared with other food products. Prof. II. H
A. A. Ayer, a produce merchant of Montreal, be elfishness and undue profiting lefore the war will be won
When prices of dairy products are set hy Govern hems, darrymen helieve that their views should be what it costs to produce milk and tat than the man

When milk is marketed through the cheese factory or creamery there is a by broughet which has a com-
paratively high value as hog feed. This should be aken into consideration when comparing the price paid per hundredweight of milk by the whole-milk
trade with that paid liw the checes tor yalue of whey and skim-milk for feeding stock is regulated

There is considerable expense in getting cheese from factory to occan port. The following will give some
idea freight, three-sixteenths to three-eighths cent per pound; storage and insurance, one-eighth cent; interest, one-eighth cent; cost of buying, invoicing, inspecting, sixteenths cent per pound, in addition to ta clevenceciving, cooperage, cartage, and port charegs, nor The United Kingdom is the chief market for Cana neveral countries, which partially accounts for manuIt is a matter of supply and to pay high prices for milk. reason; all the solids in milk and. There is another ducts, about one-half into checse, and around a third into butter. Why shouldn't there be a difference in the
price paid by manufacturers of the different products

Buttermilk as a Tonic.
$\qquad$
$\qquad$
$\qquad$

er sorl demand for
$\qquad$
of tacteria, calted the "bacterium lactic acidi", convert
the milk sugar into lactic aciil. These bacteria ar
aluays procort in nornat ait and the milk sugar into lactic acid. These bacteria are
always present int normal milk and cream, a and thi-
process of forming lactic acid is the natural souring of milk, and is known as cream ripening. Buttermilk is an excellent hog feed, and probably,
most of it is being used for this purpose; but it should most of it is being used for this purpose; but it should
be more universally used as a human food, especially
since it is a cheap article; since it is a cheap article; and during theece times when we must all keep ourselves in the hest posisible condition.
buttermilk should be used as a spring tonic."

## Dairy Record Competitions

 two have offered liberal prizes to owners of cous and heifers making the largest records in the Record of Per-formance test. Dairymen realize that a good record is a strong advertisement for the herd. The competition induces the various breeders to feed and care for their cows so as to get the most out of them. A
year ago the Holstein-Friesian Association voted the year ago the Holstein-Friesian Association voted the
sum of $\$ 560$ for prizes. This was divided over four classes with seven prizes. in each. At their annual meeting held recently, a similar sum was again set aside for this competition. Following are the names of the winners in each class in 1917, together with their records

## Mature Class.

| Name of Cow. | Libs. Butter |
| :---: | :---: |
| Desta | 104875. |
| Baroness Madoline | 1,04375 |
| Posch Queen Wayne. | 94125 |
| Grace Mantel | 922.50 |
| Olive Starlight Pietertje | 922.50 |
| Canary Qucen De Kol | 921.25 |
| Ena Netherland De Kol 2nd | 9000.00 |
| Four-year Class. |  |
| Plus Pontiac Artis | 1,020,00 |
| Johanna Korndyke De Kol | 851.25 |
| Bonheur Queen Mercena | 838.75 |
| Lady Sybil of Appledale. | sos. 75 |
| De Kol Korndyke | 7S3.75 |
| Midnight Comet De Kol. | 767.50 |
| Ciracie Mercedes Springbank | 7+3.75 |
| Three-year Class. |  |
| Mildred Pietertje Abbekerk |  |
| Epworth Barbara | 742.50 |
| Colantha Beauty | 717.50 |
| Desta 2 nd | 671.25 |
| Korndyke Wayne Daisy | (6.40.00) |
| L.ury Posch | (627.50) |
| Hillside Korndyke Lady | 590.00 |
| Two-year Class. |  |
| ${ }^{\text {Hill-Crest May Echo Pietertje }}$ | 727.50 |
| Calamity Snow Wayne | 715.75 |
| Agassiz Pietje Korndyke | 670.00 |
| Hill-Crest Verbelle Echo | 6.52 .50 |
| Iewel Butter Girl | 6037.50 |
| L.ady Lyons Faforit | 597.50 |



## Jerseys Make High Records.

For over twenty years there has been a Jersey Breed-
ers'Association in Canada, but the present Canadian Jer sey Catcle(lul) was organized in 1901 and incorporated 1905. in In 1906 the registrations totalled only 450, and the transters 3.3 ; while in 1917 the registrations were
1.703 , and the transfers 1,151 , which gives some idea of the growth of the Association. B. A. Bull, Secretary with Jerseys as follows: "In referred to the record work with Jerseys as follows: "In the report of the Canadian
Record of Performance in 1908, no Jersey breeder's name appeared; in 1910 the records of three Jerseys were given, but since that date Jersey breeders have realized the value of the R. O. P. test and certificates
have now been issued for 255 qualified Jerseys and are a large number under test at the present there "Sunbeam of Edgeley," the cow which won the dairy
test at Guelph, in 1915, has brougho renown to the
> I.bs
Milk

> 27,128 Jas. Knapp, Merrickvilife, Ont.
$22,770 \mathrm{Wm}$. Stock, Tavistock
> $20,863 \mathrm{P}$. Stock, Tavistock,
> $23,009 \mathrm{~J}$. F. Gibbons, Renfrew, Ont.
20,046
> 20,046 Peter B. Fick, Port Rowan, Ont
19,867 J. M. Steves, Steveston, B. C
> 19,959 Colony Farm, Essondale, B.C.

20,911 S. Lemon, L ynden, Ont
18,770 Manitoba, Agricultural College, Winnipeg, Man. 17,587 Hospital for Insane, Selkirke, Man.
19,072
John Anderson, Oxford Mills, Ont 17,577 A. A. Ireland, Eastord's Mills, Ont.
17,587 A. A. Ireland, Easton's Corners, Ont
14,588 Jas. C. Currie, Ingersoll, Ont
13,698 T. i. Dent \& Son, Woodstock, Ont.
21,135 II. L. Shaw, Newmarket, Ont.
16,044 (i. A. McCullough, Navan, Ont.
16,044 (i. A. McCullough, Navan, Ont
16,299 IV. C. Shearer, Bright, Ont.
$16,299 \mathrm{~W} . \mathrm{C}$. Shearer, Bright, Ont.
116,231
$1,36.3 \mathrm{~J} . \mathrm{F}$. Gibbons, Renfrew, Ont.
2,921 Richard Clarke, Atwood, Ont
16,313 Geo. A. Peever, Renfrew, Ont.
15,951 Walburn Rivers, Ingersoll, Ont.
14,64.
14,644 Dir. Exper. Farms, Agassiz, B.C
15.491
Cieo. A. Peever, Renfrew, Ont.
1.,99 (reo. A. Peever, Renfrew, Ont.
13,6666 Elsworth Plant, Burford, Ont.
15.415

15,415 John A. Plaunt, Renfrew, Ont.
14,520 Dir. Exper. Farms, Agassiz, B.
 producer and breeder, and unable to continue as a fow rentitable There is a limit to a cow's power of harm hasteen done There is a limit to a cow's power of production. How-
ever, the average dairyman might increase his herd
wwracea considerable number of pounds of milk and
tut without runneng any danger of injuring the emimals

The Number of Pure-bred Dairy Cattle is Increasing.
$\qquad$ associations, a resume of the preceling year's work of discussing problems of vital interest to them, and to outhe a policy for the ensuing vear. While the prices
of dairy products were high in 1917, as compared wth pre-war days, there was a proportionately greater increase in the price of labor, feeds and dairy utensils.
Consequently, the high prices which the dairyman Consequently, the high prices which the dairyman
received for his milk ofream did not prove to be such a bonanza to him as would appear on the surface. On most dairy farms there is a supply of roughage, but
concentrates were difficult to secure even at a very high price. The man with a high-producing herd was lest off, as labor, maintenance and over head charges are little higher with a herd averaging 8,000 pounds of milk per year than with the herd averaging 5,000 pounds. lactor towards inducing dairymen to pay more attention still the quality of the animals in their herds. There are still too many mediocre cows requiring labor and at These animals cannot be gotten rid of all at once, but policy of selection and climination should be adopted on every farm so that in time every individual kept in The labor shortage at the present time is very acutection has led to a large number of sales being held this spring. While some dairymen are practically going out of the business, others are going into the business more strongly, be reduced. Reports show that there is a gradual in crease in the milk yield per cow over the Province, but it is not as great as it should be. There is still a tendency for the averag dairyman to curtail on the amount of
money h: will spend for a herd sire or for breeding females. A poor sire not only prevents improvement
but sets the averaze production for the herr but sets the average production for the herd, three or
four vears hence, back a dood dleal On the other hand a sire of the right blood lines and with racognized dairy conformation will produce heifers that will give several hundred pounds of milk more in a lactation than what
their dams yielded. Every dairyman should have constructive breeding policy. The standard should be set high and an effort made to have every female in the herd come up to that standard.
thai the reports of the different breed associations show members has increased during the registrations and transfers a substantial increase in large extent, an indication of the transfers are, to a been transacted by the breeders during the year. The the - and semi-official tests are being encouraged by all the dairy breed associations, and liberal prizes are beeing offered to the individuals making highest records.
In at least two of the associations, competitions and this has a tendency to encourage the breeders to feed and rare for their stock in order to get the best results. The competition is an incentive for a man to
do his best. Very creditable records have been made by representatives of the different breeds. The number of cows giving over 20,000 pounds of milk in a lactation has materially increased, and new records in butterfat production have been mad
of the three leading dairy breeds in reat among members posed changes in the lengt of time for the semi-official namely 365 days, with the cow freshening within fifteen months; others wanted a second class in which the test Would be for 300 days, and the cow freshen again within we the or most practicn monthis. This was considered to ts high milk records. While no change was made repreentatives from the different associations were appointed ons on test were subsequently increased so prizes encourage new breeders o enter their stock in the contests. The demand for breeding stock has been fairly ood during th
Ayrshire Registrations and Transfers by Provinces.

| Province. | Registra- <br> tions. | $\begin{gathered} \text { Trans- } \\ \text { fers. } \end{gathered}$ |
| :---: | :---: | :---: |
| Ontario | 1,353 | 1,042 |
| Manitola | 70 | 48 |
| Saskatchewan | 70 | 66 |
| Alberta | 120 | 107 |
| British Columbia | 65 | 47 |
| Quelece | 2,241 | 1,617 |
| New Brunswick | 136 | 89 |
| Nova Smotia. | 144 | 120 |
| Prince Edward Fland | 89 | 69 |
| United State | 13 |  |
| Ancestors | 67 |  |
| Total | 4,368 | 3,205 |

Thin is an increase of 368 registrations over 1916, and owr a thousand more tranfers. The membership in
1917 was 1.531 , which was an increase of 1666 over the
phevons eir. The pedigrees reoorded to December
 Th The Comadian Jerey, Cottle (lut, al-o had a very
Therd year. It membership, hise increased from 385 in

THE FARMER'S ADVOCATE.
recorded were 9,655. During the year, 1,703 animals were registered and 1,151 transfers issued. The greatest
number of registrations and transfers were in the Province of Ontario: Quebec was second, and British vince of Ontario; Quebec was second, and British
Columbia third. D. Bull is President and B. A. Bull,
Secretary-Treasurer for the ensuing year. Secretary-Treasurer for the ensuing year.
Jersey Registrations and Transfers by Provinces.

| Province. | Registra- <br> tions. | Trans- <br> fers. |
| :--- | ---: | ---: |
| Ontario | 844 | 635 |
| Manitoba | 60 | 39 |
| Saskatchewan | 15 | 20 |
| Alberta | 85 | 56 |
| British Columbia | 813 | 113 |
| Quebec | 207 |  |
| New Brunswick | 331 | 207 |
| Nova Scotia | 68 | 23 |
| Prince Edward Island | 66 | 45 |
| United States | 17 | 6 |
| Total | 4 | 7 |

The Canadian Guernsey Breeders' A office is at Chegoggin, N. S. It has a member head 72, and up to December 31, 1917, 1,470 pedigrees had been recorded; 183 registrations were made in 1917 . This breed of cattle is not very well known in Canada very highly as a dairy breed. Under test they have made high records in both milk and butter-fat Scotia leads in the number of registrations and transfer with British Columbia second. The President of
Association for 1917 was T. D. Bates, Brookfield, N.
Guernsey Registrations and Transfers by Provinces

| Province. | $\begin{aligned} & \text { Registra- } \\ & \text { tions. } \end{aligned}$ | $\underset{\substack{\text { Trans- } \\ \text { fers. }}}{ }$ |
| :---: | :---: | :---: |
| Ontario | 15 | 4 |
| Briti-h Columbia | 45 | 7 |
| Quebec | 19 | 10 |
| Nova Scotia | 72 | 3.3 |
| Prince Edward Island | 16 |  |
| United States .......... | 16 |  |
| Total | 183 | 55 |

The registrations and transfers by Provinces are no
available for the Hol tein breed, but for the entire D minion there were 12,019 animals registered in $\mathrm{D}_{0}$ and 10,656 transfers were issued. There were 22 impor Certificates for bulls and 13 for cows. During the year ship of the Association is rapidly increasing, there bein $3<2$ new names added last jear. Holstein breeders enter a number of their animals in the Record of Merit tes Certificates were issued for 760 tests made under th made as high as forty-one pounds of butter- cena four-year-olds, over thirty-eight pounds, and junior two-year-olds over thirty pounds. Twenty-one bulls
have been admitted to the Record of Merit during the year, which brings the total up to 250 bulls and 3, S. cows. Not so many breeders took advantage of th R. O. P. work, as onls 206 cows and 12 bulls qualified. Dr. Tolmie of Victoria B. C . is the news $1,0.57 .5$ I. A. Clemons was re-elected Secretary-Treasurer. four dairy abode figures, it will be noticed that the year. Not only has the membership, been substantiall ncreased, which shows that more stockmen are becom a big increase in the number of animals registered The number of transfers also shows that there has bee have strong executives for the different association
haubt everv effort will ber year, and $n$ doubt everv effort will be made to furt her increaze the
membership of the associations and the propularity

Be a Reader and a Thinker.
 recenty held in Yoronto, Prot. Dean, of the OA.C., ex
pressed his regret that more
found in in country hatry homes. were not of having the latest and best books availathe for stully
Reading books is not pleasonnt to speaker emphasized the importance of cultivating the
habit of readting, as it is the realer and tlinker whe
 present time, in the opinition of the Profestors, was how
 he must be paid for the anmaty which womes wow
who depend on the
 ture of goods. "Grow your own feel on: -. "nn latm" was the advice given by the speaker
chinery available, conveniences and
also spoken of a factors tending to makn cor wer
Prof. Dean contended that "dairymen could Prof. Dean contended that "dairymen could nol have to
many tests. The oftener a ow is tested ant the long.
the test the more valuable she beconcs." Salesman.
 stock but are unable to make sales; to the best advantage. A study of this phase of the business was advised.
Agriculture is becoming more and more recogniz as a profession, and to be successful in it a study of the work is essential. A dairyman has varied interests.
Not only Not only must he understand how to make best use of
his land, but he must lea a judge of stock and know his land, but he must be a judge of stock and know
how to feed to advantage. Then, there is the carc of milk and marketing to look after. The more a man
 tion at hand a dairyman is able to put into practice what his forefathers found was adviable and prace ticable in the stern school of experience. Books relating to crops, tive-stock, leeds and teeding, care of milk,
etc., should be in cyery dairyman's library. To them on hand is not enough, they should be read and


Helbon De Kol 5th

## POULTRY.

Eggs and Live Fowl Find Ready Sale.
$\qquad$ product. The severe weather conditions which pre feeds, high price of feed, and lateness of the hatch lay spring, have combined to keep the egy production this
winter at a low level. There is probaldo nu fum duct where the effeet of suppls and denand on prive i January or early Felrnays oftort mand wemblers of the market. For inv datce, in a certain pirnduce stors on Felmary 23 there was greot difficult in securing
sufficient new laid eges to supply the regular cut onners,
 benefic of thio shortage in supply wasain apmeared with found that the price was rour or five cents a dozen leo prodlue man explained that egts were coming in quite

 ofek the -uphle not ental the thenad shortige

 the lack of developmemt in mans of the pellet when

$\qquad$

Ormond Egg Circle
respect to good fat hens. One sale was reported at Toronto during the week at 39 cents, and the dealer
who mad. this sale said he could have sold more at the

## Feeding Poultry For Strong

 Fertility
## entor "The Farmer's Advocat

(1) maly seem rather carly for farmers to think about hatching for another jear, but after all it is about time me thak and these cannot be acomplishet in a few days. If you start now to feed have so many complaints to make at the hau should not Many people do not secure the results they hope fon. and are often heard to say "wait till another seaven for I will have better luck, as I will feed a lot of food that makes for fertile eggs." If we are to get elys that are
strong in fertility there are be met and these conditions should be as near spring-like
as we can possibly make hem. begin to feed plenty of green tery. make excellent feed. A pod plan is to have some pikes driven into the wall enough from the placer, so the birds have to exert themselves
a little in order to reach them, and on these hang
one-half of a large mangel Which is split in two pieces. This gives them some exer-
rise, which is necessary to vet good fertility. The fat,
lazy hen will be found to be
the one that will the one that will lay a few lacking in fertility. Then we
have clover and alfalfa. The clover should be steamed to
get the best results. If feed a hot mash you can steam some of the chever and mix the mash with it.
The birds do well on this. mixture, will lay well in the winter, and in the spring the egrs should be
vers fertile. If the dry mash is used, get some mealed alfilla and mix about one--ixth part of it with the Which I think is the leet of all green feeds, but it is to sprout them. If rou want fertile hase an oat-sprouter or the time all winter but rather feed as great a variety of grain a powible, making the hirds work as hard as possible for of dry straw on their flow, For the evening seed inches a groct sidea to feed them plenty of corn as they can find it ca-ier and un fill up for the long winter night. It is alo. anore heating twod than the other grains. It might and feel the crop- of some of them to see if they It is all, grood if not to leed a lighter mixture of grains inght. and at misht a heotier mivture wheat in equal parts Of murse the male hird hasand should have extra good treat ment. Once in a while, put hy himiself in a small coop and feason, he might be siven milk to drink. The male should always be in the nees of condition, for a male hird that is out of condi-
tion is of little value in a lreedig If the male hird should take sick during the winter and work, it is better to tuke himake right out of the pen than misht appurall richt huat still not he in all right. He never lee allowed in a h sick bird of eit her sex should wut trying to raise the from goond, hardy stock with are tring to raie them from sickly hirds. Take good and pontadility he now and the results in fertility will $+\mathrm{s}$

new whe the members are alle to secure a higher One reason for this is that The menters stamp the The members stamp the <br>$\qquad$<br>and<br>nill the members country, egg circles an<br>-<br><br>-<br>..... vanivem


$\qquad$


## HOR TICULTURE.

Care of Bearing Orchards


| manure within 4 feet of the trunk as there are no feeders there. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| if well maple oreherd. The is ald apofitable part of the farm |  |  |  |  |
|  |  |  |  |  |
| fast, many trees will soon be dead. It will not be long |  |  |  |  |
| chore apple are career than they have been for years(that is Ontario-grown). An intelligent soung man with |  |  |  |  |
| a natural liking tor prowing and handling apples, mightine doing a wer wiee thing, low renting a number of |  |  |  |  |
|  |  |  |  |  |
| orchards near ewh other from whith he could make a |  |  |  |  |
| grent of Imiculture is duas realy the wies such man and helph |  |  |  |  |
|  |  |  |  |  |
| this kind. |  |  |  |  |
| Ontaran Frmit Branch. IV. F. Kivd. |  |  |  |  |
| Apples in Store. |  |  |  |  |
| F the woltoming bathe formodey be the baminion Frmit Comminime is an armanate eatimate of the |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 19 |  |  |  |  |
| Plat | 1, | $1 . .$. | 1.11 | 1.0.ハ |
| Nixastomis | (10:0, (1) |  | -5, (0\%) |  |
| C. John, 1 , 3 | -3i0 | 3\% | (im) figure |  |
| Oncber, P. 0 | 3,500 | 1,310) | 3,509 |  |
|  | 22.140 | 1:3,47 | 7,.500 | 5,5101 |
| Momteed | 9, 5100 | 1, 心! | 2.40 | 17. |
|  | 2-:4, | 11,70) | 1,500 | 3,060 |
|  | 2, ¢(\%) | 1,400 | 1,800 |  |
| Ciemrvian Bay |  |  |  |  |
| DistrictL.ake Ontario | 1,515) |  | 3, 150 |  |
|  |  |  |  |  |
| District | 7.100 |  | (20) |  |
| Minnipeg | 31,500 | 5,40: | 3,460 | 12,010 |
|  |  | 3,8100 | figure) |  |
| $\begin{aligned} & \text { Revina } \\ & \text { Calyary } \end{aligned}$ |  | 11,300 |  | 6,000 |

## FARM BULLETIN.

Farm Land Values and Wages. The Census and Statistics Office inas published its
annual estimates of farm values in 1917 as compiled from the reports of correspondents at the end of January farm land, (2) the average wages paid for farm help) and (3) the average values of farm live stock and of wool. of farm land for the whole of Canada, including land improved and unimproved, together with dwelling houses, barns, stables and other farm buildings, is
approximately' $\$ 4$ per acre as compared with $\$ 11$ in approximately $\$ 4$ per acre as compared with $\$ 41$ in
1916. The average values by provinces are as follows: Prince Edward Island $\$ 13.7$; Nova Seotia, $\$ 33.6$; New Brunswick, $\$ 28.8$; Quebec, $\$ 53$; Ontario, $\$ 55.3$; Man-
itoba, $\$ 31$; Saskatchewan, $\$ 26$ : Alberta $\$ 26$. itoba, \$31; Saskatchewan, \$26; Alberta, $\$ 26.7$; British
Columbia, $\$ 149$ In the last named province the higher average is due to orcharding and fruit growing. 1917 The average wages paid for farm help during the ye 1917 have increased substantially since 1916 and have
again reached the highest level on record. In many again reached the highest level on record. In many
cases they are double what they were before the war. For the whole of Canada the wages per month of farm help during the summer, including board, average $\$ 6.3,6.3$ for male and $\$ 34.31$ for female help, as compared with
$\$ 43.23$ and $\$ 22.46$ in 1916 . For the vear 1917 , including board, the wages averaget For the year 1917, including for females as compared with $\$ 397$ and $\$ 228$ ind 19316 . The average value of thard per month is returned as
$\$ 19.44$ for males and $\$ 14.79$ for females as compared with $\$ 17$ for males and $\$ 13$ for females in 1916. By province, the average wages per month for males Cluding board, were as follows: Prince Edward Island
$\$ 39.7$ and $\$ 22.63$; Nova Scotia $\$ 5.3 .55$ and $\$ 26.43$ : Veu



Ontario Good Roads Association in Annual Convention.

| point bene used herefo coun y roa of 1 |
| :---: | Vinister of Highways, delivered an address in which he went into the details of the building and upkeep of roads;

I. F. Vance, Clerk of the County of Went worth, read a paper on "Road Organization" which was considered C: McDiarnid, Minister of Public Works, addressed he McDiannid, Miniter of Public Works, addressed Covernment in making increased grants towards the conlegillation, and said that it was really intended for after the war. He believed that at presient the high rate of mterest and the hort age of labor would make any pro-

## Western Ontario Clay Workers

 Meethee Western Ontario Clay Workers Association met in anmual convention in London, on February 26 to one of the bect ever held by the Association. Amongst the sulbjects discussed were "The Compensation Act and Safety League," "Economy in the Power Plant,", "Co-operation between Tile Makers and the Farmer for a Creater Production", "The use of the Pryometer." Considerable interest was taken in the subject discussed by IV. 11 scoit, in charge of Drainage Department, Ontario $A g r i c u l t r a l ~ C o l l e g e, ~ n a m e l y, ~ " C o-o p e r a t i o n ~$
bet ween Tile Makers and the Farmer for (ireater Production." ${ }^{\text {Mr }}$. Scott condemned the for (ireater Procracked tile to formert indemned the practice of selling for agriculture and the industry which the delegates representerd. The speaker also advocated winter promight haul the tile at that season and have it on the land ready early in the spring. The suggestion was also made th the (Ile manulacturers have their product tested ment is maintained for Provincial Government Act, respecting the lending of money to farmers for drainage purposes, Mr. Scott told the convention that $\$ 1,000,000$ was now set aside for

$$
\begin{aligned}
& \text { Comiderable diccussion took place at the convention } \\
& \text { in ergard to the fuel and latror question. Those in } \\
& \text { IVestern (Ontario who have kilns equipped for burning }
\end{aligned}
$$ folswere onteventecf from operating this winter on acrount of the order which withheld gas from indu-t ries. H. It. thit one dometic consumer wes enough gas of burn

culthient tite for fifty arres, and that the covernment
should Ahimed that some rating should be made and tile
 he Combeen of E-see and Kent tiling operation were
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

Toronto, Montreal, Buffalo, and Other Leading Markets

Week Ending February 28.




Montreal
Winineg.
Calgary
$\xrightarrow[\text { Market Comments. }]{\text { Calgary....... }}$ Toronto (Union Stock Yards. Receipts of livion stock about equalled
those of the revious week, five thousand
cattle being on sale those of the previouss week, five thuasand
catule being on sale, two thousan seven
hundred of which were on the Monday hundred of which were on the Monday
market and the balance being about market and the balance being about
equally distributed through the remaining
three dayr three days, Cattle pries on the whole
could ccarcely be classed as being as good
as thoce of the could scarcely be classed as beeng as good
as those of the prevous week, To while
in a few instances hiver price, were paid in a few instances higher prices, werer whili
for a few extra choice catte, sales on the
whole
 common cattle seling from, 10 to 25 cent
below the previous week's quotations. On Tuesday, trading weas dull, , but nutionse
actitivit previled on Wednesday on which
day recont activity yrevailed on Wednesday on which
day receuts did not come eup to expecta-
tions, while on Thurday trat taions, while on Thurscay trading wail
tarely steady and a number of catil were held over for thumber of cattle
sterers numbered about on hext hundredtert head. sterrs numbered about one hundred head.
Thost of them being on the Monday market. The top price of the week was paid on
Wednesalay Wednesdey whice the week was paid on averaging
thir teen hundred pounds sold at sit
Sir thirteen hurdred pounds sold at $\$ 13$
Six head of fourteen hundred pound sold
on Monday, realized $\$ 12.85$, load averaging thired ten hundrect and
fifty pounds sold fitty pounds sold at $\$ 12.80$, while ot her
good
812.50 . Foles were made from $\$ 11.75$ to gwod sales were made from 8811.75 t.
$\$ 12.50$ For steers of ten hundred t.
twelve hundred twelve hundred pounds most of the beet
sales of the weck were made hetween
sis and 81 $\$ 11$ and $\$ 11.75$, although there were a
few notable exceptions, two steers eleven hundred pounds selling on Theesday at $\$ 13$, eight head at $\$ 12.60$ and thirteen of eleven hundred and thirty pounds a
$\$ 12$ On Wednesday, for the best animal in this class trade was about steady, but
for those of medium for thase of medium quality prices were
lower. Steers and heifers under one thousand pounds were moving in baly, beef of eith other grades. One
on Mondred pounds sold one head, weighing nile a load of twenty eighty pounds, sold on Tuesday at $\$ 11.80$ most of the offerings, however, moved from $\$ 10.75$ to $\$ 11.50$, although a few
loads reached $\$ 11.75$. Coun were if steady demand with choice animats well ing from $\$ 9.75$ to $\$ 10.50$, and a few extra the latter price being paid for 812.51 equtionally choice animals. (o) dwo ex cows cold from 89 to 89.75 , and medium
and common from 86.50 to $\$ 5.75$ Bull. were steady with choice to $\$ 8.75$. Bull! 8.50, and common bull- from 87.75 h s. 50 . A few loads of stockers and feeder prices. A gond demand existed for hipped out, selling from 87 to 87.75 per undred;onlv, thoce of rery fone qualit wer figure. Collwe veal realizing $\$ 17$ and the majority sullins With four hundred sheep and lami.
on sale prices were steady al close. A few choice lambs sold at cin
per hundred, and most of the offerine per hundred, and mi
sold from $\$ 18$ to $\$ 18.75$. thousand head. On Mondtly over ten way $\$ 19.25$ was paid for select, fed and
wated. An advance followed on Wad-
neaday, $\$ 19.50$ being the
 attle

|  | Receipts |  | Top | $\begin{aligned} & \text { rice Croon } \\ & 000-1,20 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Week | Same | Week | Week | Same | Week |
| Ending | Week | Ending | Ending | Week | Ending |
| Feb. 28 | 1917 | Feb, 21 | Feb. 28 | 1917 | Feb. 21 |
| 5,069 | 4,042 | 5,101 | \$12.00 | \$11.25 | \$12.25 |
| 456 | 565 | 555 | 12.00 | 11.00 | 12.25 |
| 616 | 540 | 348 | 12.00 | 11.00 | 12.25 |
| 1,249 | 1,908 | 1,335 | 11.25 | 9.75 | 11.25 |
| 1,041 | 920 | 943 | 11.50 | 8.75 | 11.50 |


| Wee |  |  | T | Price S |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | (Receipts | Week | Week | Same | Week |
| Ending | Week | Ending | Ending | Week | Ending |
| Feb. 28 | 1917 | Feb. 21 | Feb. 28 | 1917 | Feb. 21 |
| 8,635 | 12,971 | 8,175 | \$19.75 | \$15. 25 | \$19.10 |
| 1,121 | 1,089 | 1,991 | 20.25 | 15.50 | 19.75 |
| 636 | 719 | 1,348 | 20.25 | 15.50 | 19.75 |
| 5,763. | 7,722 | 7,533 | 19.50 | 14.25 | 18.75 |
| 3,374 | 3,646 | 2,575 | 19.25 | 13.75 | 19.25 |


| Calves |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Receipts |  |  | Top Price Good Calves |  |  |
| Week | Same | Week | Week | Same |  |
| Ending | Week | Ending | Ending | Week | Ending |
| Feb. 28 | 1917 | Feb. 21 | Feb. 28 | 1917 | Feb. 21 |
| 568 | 820 | 679 | \$17.00 | \$15.00 | \$17.00 |
| 327 | 345 | 529 | 16.50 | . 13.00 | 16.00 |
| 285 | 385. | 378 | 16.50 | 13.00 | 16.00 |
| 22 | 99 | 28. | 10.50 | 10.00 | 12.00 |
|  |  |  |  | 9.50 |  |


| Classification <br> Steers <br> heavy finished |  | TORONTO(Union Stock Yards)Avge. $\quad$ Price RangePrice $\quad$ Bulk Sales |  |  | Top Price <br> 81285 | No. | $\begin{gathered} \text { Avge. } \\ \text { Price } \end{gathered}$ | $\begin{aligned} & \text { ONTREAL } \\ & \text { St. Charles) } \\ & \text { Price Range } \\ & \text { Bulk Sales } \end{aligned}$ | $\begin{aligned} & \text { Top } \\ & \text { Price } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Steers <br> 1,000-1,200 | good common | $\begin{array}{r} 414 \\ 26 \end{array}$ | $\begin{aligned} & 11.54 \\ & 10.47 \end{aligned}$ | $\begin{array}{r} 11.00-11.75 \\ 9.75-10.75 \end{array}$ | $\begin{aligned} & 12.00 \\ & 11.00 \end{aligned}$ | ${ }_{3}^{38}$ | \$12.15 | \$12.00-\$12.25 | \$12.25 |
| $\begin{aligned} & \text { STEERS } \\ & 700-1,000 \end{aligned}$ | $\begin{gathered} \text { good } \\ \text { common } \end{gathered}$ | $\begin{array}{r} 1,553 \\ 429 \end{array}$ | $\begin{array}{r} 11.12 \\ 9.85 \end{array}$ | $\begin{gathered} 10.75-11.50 \\ 9.50-10.50 \end{gathered}$ | $\begin{aligned} & 11.75 \\ & 10.50 \end{aligned}$ | $\begin{aligned} & 55 \\ & 92 \end{aligned}$ | $\begin{array}{r} 11.25 \\ 9.75 \end{array}$ | $\begin{array}{r} 10.75-11.50 . \\ 9.50-10.50 . \end{array}$ | $\begin{aligned} & 12.00 \\ & 10.50 \end{aligned}$ |
| Hetfbrs | $\begin{array}{r} \text { good } \\ \text { fair } \\ \text { common } \end{array}$ | $\begin{array}{r} 357 \\ 629 \\ 43 \end{array}$ | $\begin{gathered} 11.27 . \\ 10.18 \\ 9.12 \end{gathered}$ | $\begin{array}{r} 11.00-11.75 \\ 9.50-10.50 \\ 8.75-\quad 9.50 \end{array}$ | $\begin{array}{r} 13.00 \\ 10.50 \\ 9.50 \end{array}$ | $\begin{aligned} & 18 \\ & 35 \\ & 35 \end{aligned}$ | $\begin{array}{r} 11.25 \\ 10.00 \\ 8.75 \end{array}$ | $\begin{array}{r} 11.00-11.50 \\ 9.50-10.25 \\ 8.50-\quad 9.25 \end{array}$ | $\begin{array}{r} 11.50 \\ 10.50 \\ 9.25 \end{array}$ |
| Cows | $\begin{gathered} \text { good } \\ \text { common } \end{gathered}$ | $\begin{array}{r} 259 \\ 632 \end{array}$ | $\begin{aligned} & 9.75 \\ & 7.75 \end{aligned}$ | $\begin{array}{r} 9.00-10.25 \\ 7.50-8.50 \end{array}$ | $\begin{array}{r} 10.50 \\ 8.75 \end{array}$ | $\begin{aligned} & 17 \\ & 63 \end{aligned}$ | $\begin{array}{r} 975 \\ 875 \end{array}$ | $\begin{array}{r}9.50-10.25 . \\ 8.50-9.00 \\ \hline\end{array}$ | $\begin{array}{r} 10.25 \\ 9.25 \end{array}$ |
| Bulls | $\begin{array}{r} \text { good } \\ \text { common } \end{array}$ | $\begin{aligned} & 81 \\ & 55 \end{aligned}$ | $\begin{aligned} & 9.75 \\ & 7.81 \end{aligned}$ | $\begin{gathered} 9.00-10.25 \\ 7.50-8.50 \end{gathered}$ | $\begin{array}{r} 10.75 \\ 9.75 \end{array}$ | $\begin{array}{r} 6 \\ 25 \end{array}$ | 10.35 9.25 | 8.50-10.00. | $\begin{aligned} & 11.00 \\ & 10.00 \end{aligned}$ |
| Canners \& Oxen | Cutters | 203 | 6.25 | 6.00- 6.50 | 6.50 | 43 | 6.50 | 5.50-6.75. | 6.75 |
| Calves | $\begin{gathered} \text { veal } \\ \text { grass } \end{gathered}$ | $\begin{array}{r} 551 \\ 17 \end{array}$ | $\begin{array}{r} 15.50 \\ 8.00 \end{array}$ | $\begin{array}{r} 14.00-16.00 \\ 7.00-\quad 9.00 \end{array}$ | $\begin{array}{r} 17.00 \\ 9.00 \end{array}$ | 321 6 | 15.50 | 14.00-16.50 | 16.50 |
| $\begin{aligned} & \text { STOCkERS } \\ & \mathbf{4 5 0 - 8 0 0} \end{aligned}$ | $\underset{\text { fair }}{\text { good }}$ | $\frac{34}{37}$ | $\begin{aligned} & 8.80 \\ & 7.82 \end{aligned}$ | $\begin{array}{cc} 8.00- & 9.5 \\ 7.50-8 & 50 \end{array}$ | $\begin{aligned} & 9.25 \\ & 850 \end{aligned}$ | - |  |  |  |
| Feeners 800-1,000 | $\underset{\text { good }}{\text { goot }}$ | $\begin{gathered} 120 \\ 74 \end{gathered}$ | $\begin{array}{r} 10.20 \\ 9.50 \end{array}$ | $\begin{array}{r} 9.75-10.50 \\ 9.00-r \\ 9.75 \end{array}$ | $\begin{array}{r} 10.50 \\ 9.75 \end{array}$ |  |  |  |  |
| Hogs | selects heavies | 8,061 4 | 1947 1975 | 19.25-19.75 | 19.5 | 1,025 | 20.00 | $20.00-$ | 20.25 |
| (Fed and watered | $\begin{aligned} & \text { lights } \\ & \text { sows } \\ & \text { stags } \end{aligned}$ | $\begin{array}{r} 390^{4} \\ 174 \\ 6 \end{array}$ | $\begin{aligned} & 17.92 \\ & 1541 \\ & 15.58 \end{aligned}$ | $\begin{array}{llll} 17.25 & 18 & 50 \\ 17.25 & 18 & 50 \end{array}$ | $\begin{aligned} & 19.5 \\ & 18.5 \\ & 18.5 \\ & 15 \end{aligned}$ | $\begin{aligned} & 83 \\ & 12 \end{aligned}$ | $\begin{aligned} & 19.25 \\ & 17 \\ & \hline \end{aligned}$ | $\begin{aligned} & 19.00-19.50 \\ & 17.25-17.75 \end{aligned}$ | $\begin{aligned} & 19.50 \\ & 17.75 \end{aligned}$ |
| Lambs | $\begin{gathered} \text { good } \\ \text { common } \end{gathered}$ | $\begin{array}{r} 324 \\ 10 \end{array}$ | $\begin{aligned} & 18.50 \\ & 16.00 \end{aligned}$ | $\begin{aligned} & 18.00-19.00 \\ & 15.00-17.00 \end{aligned}$ | $\begin{aligned} & 19.00 \\ & 17.00 \end{aligned}$ | 33 | 16.50 | $16.50-$ | 17.50 |
| Sheer | $\begin{gathered} \text { heavy } \\ \text { light } \\ \text { common } \end{gathered}$ | $\begin{aligned} & 46 \\ & 33 \\ & 33 \\ & 11 \end{aligned}$ | $\begin{array}{r} 12.00 \\ 13.13 \\ 8.90 \end{array}$ | $\begin{array}{r} 11.000 \\ 13.00 \\ 12.00-1+00 \\ 7.00-10.00 \end{array}$ | $\begin{aligned} & 13.00 \\ & 14.50 \\ & 1000 \end{aligned}$ | 1 | 13.00 | ${ }^{13.00-}$ | 13.00 |

figure and one load selling at $\$ 19.60$,
further advance to $\$ 197.5$ followed
Thurrday the
for the week ending February 2lt, calves, 54 bulls, 4,294 butcher cattle 10,601 hovs, and 592 sheep and lambs
Local houthers purchased 2 ? sheep and lambs. Canadians and 115 bull, 46 limet is calver cattle, 115 milch cows, 1 The tomal during the werk. L'mite

 gmonding peomion of fale during the on

Montreal
Kacipt of cuthe .t the Yards dur in humatred powedtify prumds to elevin of light weight heifers riving two nume of cleven heat in this chens averaging What st honderd and ninetw five porands
from $\$ 10.75$ to $\$ 11.50$ ruled. Butcher
cows were of a wide range of no choice animals were on the market;
sales were made from Sales were made from $\$ 7$ to $\$ 10.25$, in
keeping with the wide range in grading.
Bull Bulls were light in numbers and sold from
$\$ 7.50$ to $\$ 11$ per 87.50 to $\$ 11$ per hundred; few sold at the fatter price Canners and cutters sold
from $\$ .5 .50$ to $\$ 6.75$ per hundred
Rereipts and calves were slightly lower than majority of the sales were made at higher prices than for some were made at higher
from 812 Prices ranged Receipts of sheep were light and the $\$ 1.5$ to $\$ 16.50$, and sheep at $\$ 13$ per hunThe market for hogs opened strong at advanced to $\$ 20$ for, short runs and $\$ 20.2 \frac{3}{3}$ teady and unchanged during the mainder of the week, clocing firm with
probatilities of light rereipts for the Pr. Cr. Charles --Of the disposition 21.t. Cimadian parking heek ending Feb. and local but her purchased 528 calves, 81 canners
and cutter, is bulls, 3 ni butcher cattle,
1.599 hors, and 1,1, hein 1. S99 hors and 121 sheep and lambs
Gandian shipments ware made up of
s0 milth cow. Thele were no shipments

Every farmer who desires 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.
made to United States' points during the The iotal receipts from January 1st
o February 21 st, inclusive, were: 4,809 Cattle, 1,777 calves, 8,900 hogs, 4,809
4,827 and
4, sheep; compared to 6,792 cattle, 4,827
2,127
sheep; compared to 6,792 cattle,
coper sheep received during the corresponding
periond of 1917 . period of 1917 . OAD.-Of the disposition from the Yards for the week ending Fehruary
2 ist, Canadian packing houses and local butch crs bought 376 ralves, 648 but-her cattle, 1,348 hogs, and 85 sheep and lambs.
There weie no Canadian shipments or There wee no Canadian shipments or
shipments to United States' points during the week. to Feh. 21 st , inclusive, were: 5,741 cattle, compes, 6,466 hogs, and 4,463 sheep;
compared to 7,727 cattle, 2,446 calvis 9,169 hogs, and 5,570 sheep, received
during the corresponding period of 1917 .

## Montreal Produce

| Horses.-There is some enquiry from carting companies and similar concerns supplies are light and prices are steady, Healy draft horses, weighing from 1,500 Heavy draft horses, weighing from 1,500 to 1,700 Hos., $\$ 225$ to $\$ 275$ each; light draft, 1,400 to $1,500 \mathrm{lbs}$., $\$ 175$ to $\$ 225$ each; small horses, $\$ 100$ to $\$ 175$, and culls, $\$ 75$ to $\$ 100$ each. Choice saddle and arriage horses sell at $\$ 175$ to $\$ 225$ each. Poultry <br> Poultry.-The market for dressed poultry was fairly active but the feature enquiry throughout the country for live poultry for the Jewish trade. This trade appears ready to pay as high for live as for hens. Dressed turkeys sold at 35 c to 36 c . per lb ., while geese were 26 c . from 27 c , to 30 and choice fowl brought alout the to 30 c . and choice chickens at Dresied Hoge price as turkeys <br> gord demand for dressed hogs and prices were firm at 2716 c . to 28 c . per 1 b . for abatoir, fresh-killed stock, while country- dreved were about 2c. less than these <br> Potatoes-Receipts were fair and price; held steads; at $\$ 2.10$ to $\$ 2.15$ for Green <br> Momentains, per 80 lbs , ex-store, Ontario <br> White stock lreing $\$ 2$ to $\$ 2.05$ and reds being $\$ 1.90$ to $\$ 2$. The market is generally <br> Maple Syrup.-The snow the woods but the svrud app in the woods but the syrud made. The nominal quotation er $13-\mathrm{-b}$, gal. tin. Sugar was 20 c . per lb. Honey was steady, to 22c, per lb. for No. 1 white comb was 19 c . to 20 c .都 extracted. <br> ew-laid American eggs were while Canadians sold per doz. The season of rived when the trend of be constantly lower. Confairly large. <br> The market for creamery conand prices were at the high finest September and October about one cent less for fine. weipts were $471 / 2 \mathrm{c}$. were $41 / \frac{1}{2 c}$. to 43 c . Prices of oats continued quite |
| :---: |

 trante, For Heed hilliam ley was 81.4312 , ex
Flour. Manitoba spring wheat stand
 in bags, Montreal, on cars, and $\$ 11.20$
delivered to brakers, with 10 c. additional
for broken lots. flour was ste.dy at $\$ 11.10$ to $\$ 11.50$ per
bbl., in bags. Millfeed.
prices frm. Bupples were limited and
shorts $x t \$ 40$ mold at $\$ 35$ per ton shorts at $\$ 10$, middlings at $\$ 48$, per mixed
mouille, at $\$ 60$ to $\$ 62$, at $\$ 66$ to $\$ 68$ per ton, in lavp pure mouille Hay-The market for baled h very little change. No. 2 baled hay showed
at $\$ 17$ per ton. at \$17 per ton; No. 3 was $\$ 15.50$ and clover
mixture was $\$ 12$ per ton Seeds.-Dealers were still payin Collowing prices at country points, accord
ing to quotations ing to quotations: Alsise, 11 c. to to 21 c .
per lb.; red clover, 27 c . to 30 c . 7. to 10

Hides. Lambskins declined 30 c . each,
at
at.
an at $\$ 4.60$ each, owing to the embargo
placed against their exportation from
Co Cavada. Otherwise prices were steady oow and 20 c . for steers, flat, and 17 c ., 18 C
and 19 c and 19c., Montreal inspection., Calf-
skins were 18 c . to 20 c . per 1 l (or
 were $\$ 5$ to 86 each. Tallow, $31 / 2 \mathrm{co}$ per to
for scrap fat and \&c. for abattoir fat.
Res. Rendered tallow was 16 c. to to 17 c . per 1 l .

## Toronto Produce

Receipts of live stock at the Uni
 sheep and lambs. Market very slow
Butcher cattle abot Cowss steady to 25 cents lower. Bulls,
steady. Stockers, feeders, milkers springers without change.' Sheep, lambs and calves steady. Hogs 19.75 per cwt.

Breadstuffs.
Montreal) $\overline{\text { No. }} 2$ witartor, per car lot lot, 8 store
Man Mncluding 21/6


 895cc. Ontario, No. 2 white, 97 c . to
 No 2, 83.70 to $\$ 380$. Barley (accor ding to freights outside)-
malting, s1.68 to 81.70 . Buckwheat (according to freights out side) - 81.78 to $\$ 1.80$. (areights outside)-
Rye (aceording to American corn (track
3 yellow, kiln-dried, $\$ 2.05$.
Flow Flour.-Ontario (in bags, prompt ship-ment-War quality, 10.70 , Montreal
and Toronto, new bams, Man (Toronto)-iVar quality, 811.

Hay and Millfeed. Hay:-N. 1, per ton, car lots, $\$ 17$
$\$ 18$, mixed, 814 to 816 .
Straw. Cor lots, per ton, 88.50 to $\$ 9$.
 S40 middlings, per ton, 845
feed flour, per llas, $\$ 3.40$.

the price for this class to advance to 30 -
per Ib (the price now being paid to


Hides and Wool.
Crice deliverec, Tornon:
City Hide. -ity butcher hides, great veal kip, 20. horse hides. city take of
85 to $\$ 6 ;$ heen $\$ 250$ to $\$ 5.50$. Country Markeis. Bref hides, flat

 dir, farmers' 'tock, 825.
Tallow
Sity
 16. 1 , 12c. to 13c.; cake;, No. 1, 1tc. to quality, fine 60c: coarse, 58 c .', washer Wholesale Fruits and Vegetables. Apples. -There has been a fairly heav demand for box apples lately, which now box, according to wariely and antity also grod quality barreled apples havi $\$ 7.50$ per bul according to variety and grace, but there is a great quantity o
very, low grade which it is almost im posssible to get rid of
Onions
Onions,-Onions also continue to bes ror buyers: the 75 . tb . bags selling at 82.25 ,
and 1.00 Ib. bags at $\$ 2.50$ to $\$ 3$ according to quality.
Potatoes. -The market at last eased up on potatose as the mildder weather
allowed greatly increased simplies tocher in: New Brunswick Delawares selling
at $\$ 2.35$ per has and Ontarios at $\$ 2.25$ per bar-and bay now looks as if it they wouls Turnips.-Turnips have not leen quil
on

Buffalo.

mostly the extreme arvance. It was the
many weeks past, quite in contrast to Several preceding weeks, when the trade
was about as bad as could be imasined especially on steers and anything in the hipher-priced line. With these lad mar-
kets shippers eased kets shippers eased up on consignments,
as a result of which the sit uat ion changed materially yas kiilererse were as aeger to to et
supplies last week, as they were as indit. Yerent on preceding weeks. Shipping
steers sold to to $\$ 13$ to $\$ 1340$. Canadian sters were included but of not a very good kind, best here running from
$\$ 11.50$ to $\$ 11.65$. Best handy sters reached $\$ 11.75$ to $\$ 12$, yearinds on thers
fair order, $\$ 11.75$ with the light fleshed kind of steers, that have ther
hard to place of late, running from sio to 810.50 . Very few heifers and higher priced cows were included but these sold
at the general advance, canner and cutter
stuff ruling about steady, while bulls sold stuff ruling about stady, while bulls sold
at albout former pricas. Milk cows and springers generally were frim sale. There week to metel full demands. Ofterings
were 2,700 head, as axainst 2875 heant were 2,700 head, as against 2,875 head
for he preereding week, and as against 4,300 wad lor the correspronding week
$\$ 13$ to $\$ 13.40$; fair to grod, $\$ 12$ to $\$ 12.75$ plain, 810.50 to 811.50 ; very coarse and
common, 810 to 810.25 . Shipping Sters.-Canalians, best
$\$ 11.25$ to $\$ 11.65$ : fuir to good, 8 io. 75 to $\$ 11.25$ to 811.65 f fair to goopl, sin.75,
811 ; common and plain, 89.50 to 810 . Butchering Sters. - Choice havy
811.75 to $\$ 12.25$; fair to goond, 811.25 t


 $\$ 10.75$ to 811.25 ; ; gad but hering heifer
$\$ 10.25$ to
81050 fair butblain
 89.50 to 89.75 . Mood huthering
89.50 to 89. mediun to fair, 87,

Bull, -Best heavy, 810 to 811 .50

 $\$ 6$ to 87 ; common, 85 to 85.75
Milchers and Sprinvers small lots, 800 to $\$ 120$; in rartloads, $\$ 80$ to \& 100. rulings steady to week openeyt with prives previous, week's close. Top for Monday
wai \$18.25, but the great boulk of the
croo sol. crop sold on a basis of $\$ 18.25$, and niss,
which showed a gain of 75 cents $10 \$ 1$, landed mostly at $\$ 18$. Tuesday heavies
sold at $\$ 18.25$ to $\$ 18.35$, and the livhte Mright 18 Eades, including pigs , ranged were declined ten to thirty cents on the best grades, range on the eve being from
$\$ 18.20$ to $\$ 15.30$, and pies cold 75 font under Wednesday's level, bulk going at
$\$ 1775$ $\$ 17.75$. Thursday the market on pigs
was steady and good hogs were lower, Yorkers and mixed grades selling fron
818 to $\$ 1810$ and Friday allurther do cline of a dime was noted on better weight grades, when the ranse was from $\$ 17.9$ pigs selling in the same notch as the bet ter grades. Roughs the fore part of the week brought up to $\$ 16.75$, and Friday They ranged from \$16 to \$16.23, with receipts were 19,600 hean, ac compared

with 21,025 head for the week before, and with 21,025 head for the week before, and Sheep and I Tme same week a year ago of last week top handy lambs sold mostly at $\$ 17$, cull lambs went from $\$ 15.50$ down, | heavy lambse kinds weighing around 100 |
| :--- |
| pounds, sold |
| from |
| $\$ 15$ |
| 15 | yearlings went at 814.50 , top for wether Sheep was 813.25 , and ewes went from higher. Wednedday lest lambs brought riday murrsays top was $\$ 17.75$ and culls selling from 816.25 down. The fifth $\$ 15.25$, wether sheep made $\$ 13.75$, and cipts were 15,800 head, being against 17,529 head for the week previous, and

16,400
head for the same week a year Calves, -On the opening day of the wrek cho ece evals sold mostly at 817.50 ,
and the next two days the market was
unchanvel Thw unchang
were
$\$ 7.75$. 17.75. Fed desirable culls reached up rom $\$ 14.50$ down, and common to zood ed calves were quoted from $\$ 6.50$ to 2500 head, as compared with totaled or the week beforeneld with 2,024 head he corremponding week a year ago.

## Chicago.

Cattle,-Beeves, 88.80 to 814.50 ; stock-
 Hogs.-Li.ight, $\$ 1640$ to $\$ 17$. Hogs, -T.ight, 816.40 to 817 ; mixed
$\$ 16.25$ to 817 ; heavy, 815.80 to $\$ 16.75$, rough, $\$ 15.80$ to $\$ 16.05 ;$; pigs, $\$ 12.75$ to
$\$ 16.50$.


## Cheese Markets.

New York, specials, $253 / \mathrm{cc}$ to $261 / \mathrm{cc}$
Montreal, finest westerns, $213 / \mathrm{ar}$; fines
Perth District Holstein Sale Phe Perth District Holstein Brevers
Consignment sale will be held at the Mansion House stalles, in the City of Strat ord! on March 13 . Forty-five
individuals of high quality are offered. The progeny quality are such sires as King Segic Alcartra yalamity, Dutchland Pontiac Colantha, Fineview King Segis Colantur, and sir Colantha Canada, are
in the sale. Among the consigners ar


 tock and W. S. Shearer. These breceders
re offering some of their best stock of Wales and females. Many of the cows
ave been tested and hane made credi



Gen. Foch.
The eminent French General who has recen
beem made Associate
much to do wio
with the ter thister, and has
Old Gray Squirrel
A great while ago, there was a schoolbor And the very first thing he could Was the ri
as the rigging of the schooners by the
He could watch them, when he woke, from his window,
With the tall
ting out the
And he used to think of shipping as a sea
And sailing to the Golden Gate.
For he used to buy the yellow penn
And read them where he fished for
And listened to the lapping of the water
The green and oily water round the
keels.
There were trawlers
mouthed flat-fis
And red nets hanging out to dry,
and the
And the skate the skipper kep, lecause
he liked 'em,
There were brigantines with timber out of
 And hips of the Blue Crons line.



Among the Books.
'Rural Planning and De velopment.

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March 7, 1918


The Flooded Don Valley


#### Abstract

suggestion which is now being publicly discussed in England that a hundred new towns of a similar character should be created in the Old Country after the war One of the difficultes in Canada in farm my withm, and near, clles is the heavy taxation due to the fact that all land is taxed on its potential building value. Mr Adams points out the importance of relieving agricultural land, as much as possible, of taxes. In England, for instance, he says that the farmer has a rebate of equal to 50 per cent. of his laxes as compared with the building owner; moreover, the assessment is hased on the agricultural value of only, even when it has a building value, It is imporsible here to sive ayme of all this. The book, however, can be if Cored t, writing to the Commission RIE, the report is especially adreesed to the Government, but often a thorough understanding of often a thorough understanding of onditions by the people themselves assists -or force - the action of Government listributed-and widely such reports are Mr. Adams says, when the people of the rural districts themselves unite seccore greater advantages, much will ursuit of material gain as a sole object dangermus and futle, whether the aim mwer. When the object of development II a state is to secure the greatest freedom he results of hum its citizens to enjoy he results of human labor, then the acthat freedom, and history shows that i- only on such a foundation that


## Hope's Quiet Hour.

The Satisfying Vision

Phild, sath unto Him, Lord, shew us .

"ree shall see the King in Hi
a. 33: 17, (R. V. margin).
h my hand and touch Him
13 eyes and see Him dirkness as throu
surging desire, the same longing for the by many voices Death has le, echoed "Life's adventure", Death has been called at all of the fact that the finding of the Living, Loving God is Life's greatest Discovery. the Great Discovery in Flanders-looked back to his careless life in England, and said:
"You walked among us, and we did not see How did we miss Your Footprints on our Can there be other foll as blind as we?

Those who have not found reasure," think that they will the hid serve Christ when they have had a few years of enjoyment. They think that Christianity means sacrifice, giving up
the pleasant things of life. Does a man the pleasant things of life. Does a man
feel that he has sacrificed happiness when feel that he has sacrifced happiness, when he drops the toys which pleased him in
childhood and enters on a new era of eager existence? We are all like the merchant who was seeking goodly pearls Do we all recognize the "pearl of great price" when it is offered to us?
Plenty of lesser jewels are handled by us. Perhaps we have patd heavy prices for pleasure, fame or wealth. Did you ever
of these? Our souls are athirst for God, ledge it: and nothing earthly fy a man's highest self. Are you hesitating to choose Christ
as your Master, because you are afraid as your Master, because you are afraid
His service will mean giving that is pleasant, and undertaking new and difficult, duties? Think of the man "born blind" whom our Q ord healed. He had an easy life, as regards, work. He was
not expected to do a man's share of the world's work. No one would blame him if he begged, instead of earning, his But, when his eye; were opened, a ne life of duty opened before him. Instead
of being a helpless burden on the comof being a helpless burden on the com-
munity he would be expected to support munity he would be expected to support
himself and try to lift the burdens of less privileged people. Was he depressed over the prospect? There is a note of exultation in his exclamation: "One thing I
know, that, whereas I was blind, now I

Do you think that work-service-is
a thing to be dreaded? 1 am sure you
lesterday I was visting a sick woman
who is the mother of nine children. One son was killed at the front, another is in soon to go overseas. The mother is
enduring her enforced holiday with brave cheerfulness, but she looks forward eagerly to the time when she shall again portunity of work. She thinks the opwho las no work to do finds life very dull. A person who has too heavy a burden of
work, crushing him down, is too "driven" work, crushing him down, is too "driven"
to enjoy work as it should be enjoyed But one who chooses Christ as his Master
But finds that "work" has changed its name, and become "service". The change is unruly ox, "kicking against the goad" and so making himself unhappy; but when he said to his new Master," "Lord restless discontent melted away the now before the sunshine. Read his etters, and see how constantly the joy ecurs about twenty times, and the woy rejoice" is also repeated about twenty " "pos in," those epistles of his. It is not "pose", either, for a transparent sinIt is very evident that in finding Christ he found deep and satisfying happiness, s millions of others have done. "For in Philippi, "do ye joy, and rejoice with me." He went eagerly on his missionary journeys because he wanted everybody know the good tidings of God's love.
He wanted everyone to share in his overflowing gladness.
"Shew us the Father, and it sufficieth ns," pleaded St. Philip. Listen to the long time with you, and yet hast thou not known Me, Philip? he that hath We need not trume ather
We need not stumble along in darkness

for "tiod, whe commanded the light to
shine out of darkme. hath shined in our
hearts, to give the light of the knowledge
hearts, to give the light of the knowledge
of the glory of find in the face of Jesus
Christ." really want to see what (bed i
If you reat
Christ as it is held up hefore us in the
Gospels. If we want to hear the Voice
of God, we must listen humbly, and with
the full intention of loyally obey ing Hi-
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The Ingle Nook
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Preserves getting low?
Tide over the winter with
CROWN BRAND CORN SYRUP

Everybody likes this delicious Table Syrup-and it's much less expensive than butter for the children to eat with bread.

At all Grocers-2, 5, 10 and 20 lb . tins- 3 lb . Glass Jars. Write for free Cook Book. THE GANADA STARCH CO. LIMITED, - MONTREAL.

Meeting Larger Markets


The Renfrew Machinery Company, Limited
Head Office and Works: Renfrew, Ont.
Eastern Branch: Sussex, N.B.
Agencies
Milwaukee


March 7, 1918
THE FARMER'S ADVOCATE.



Economy Keeps the Wolf From the Door!
There are certain nations to-day that are employing their most eminent scientists to discover new foods that may be obtained from minerals, barks and vegetablesall for the sake of economy.

## Drink More Cocoa!

It is the most economical food drink, having a highly nourishing character, The cocoa that contains the finest and most expensive cocoa beans, blended to perfection, is the great health-builder.

## OMAN's OPrfection Brand"

When writing please mention Farmer's Advocate

381


## Save Human Energy For Greater Production



Hamilton, Ontario

E. LEONARD \& SONS, LIMITED

London, Canada
Agents for the
HUBER
Light-Four Tractor


Our Folder "Doing the Impossible"
men should suffer that all the generations come may be better These men have caught a vision of what grown-up humanity may be. It must help us to-and to surely such men own small way to help all the rest of humanity to grow up too. We cannot all but there is work for sach of the world, own small circle were it only through the words we say and the ideals we hold. thought and doings of all the of the thought and doings of all the people few may lead, but their leadership would amount to little without the following of the human atoms who make up the

## An Economical Hint

 Mrs. Peter McArthur (yes, "Peter's" lowing "hint," evidently to me the folou. I am sure it must be of very great use when the weather is cold and "I wanted to tell you," she says them!). whole wheat muffins and cakes that I have been making with snow (no shortage of that!) instead of eggs. They are really the last beat in a cup of fluffy snow in stead of the eggs. They are just as light as when made the other way,"While we are on the subject of economy I may as well give to you another suggesIt is for making "Potato Butter,"-not as nutritious as real butter, of course, but a bit if it chances to be scarce "'Peel some potatoes and boil until they fall to pieces and become floury. Then rub through a fine sieve into a warmed
basin 14 ounces of the potatoes, adding 12 ounces of butter and 1 teaspoon salt. Stir until smooth and then mould into rolls and keep in a cool place. To make

Needle Points of Thought. Words do ten times more to irritate people than the strongest acts." dinal Manning.
Mr. Santayana speaks somewhere
the unconquerable mind of the East.' Well, my guess is that this be conquered by the Man of Nazareth, just as I think He will eventually some centuries ahead-conquer even us."- William Lyon Phelps, in "The 1 Ad-
vance of English Poetry in the Twentieth Century.

In spite of the stare of the wise and the world's derision,
Dare follow the star-blazed road, Dare follow the star-blazed road,
dare follow the vision." -Edwin Markham
"Nero fiddling while Rome burned was a far less odious figure than the man of to-day who, while the whole destruction, looks on with internal delight that this great world-conflagration is helping to swell his
fortune."-Christion Guardian Cleaning Feather Bed We have taken the Advocate for a
number of years and are always interested in this department I will consider it
favor if you could tell me, throurt y lavor if you could tell me, through you
magazine how to clean the feathers of
feabur magazine how to clean the feathers of
feather bed, at home, or where 1 could feather bed, at home, or where 1 could
send them to be cleaned. send them to be cleaned. Mrs. W. B.
Perth ( 0. . ()nt. Perth Co.. Ont. Mrs. W. B.
The.








## "Ideal" Fence Prices

## Freight Paid to Your Station

Below we give the freight-paid prices to any station in Old Ontario (except electric) on only a few of the many styles of "Ideal" Fence. The "Ideal" Catalogue and Freight Paid Price List-sent free on request, a postal will bring it to you-shows and describes fully, and gives prices, freight paid to your station on-

## 25 Styles Heavy "Ideal" Fence

Made throughout of full gauge No. 9, evenly galvanized Hard Steel Wire, from a 4 -wire fence 33 inches high to a 15 -wire, 57 -inch fence. A style for every purpose.

## 12 Styles Medium Heavy "Ideal" Fence

Made with No. 9 gauge wire for top and bottom, all other wires No. 12 gauge. 2 Styles "Ideal" Poultry Fence-Made with No. 9 gauge wire for top and bottom, all other wires No. 13 gauge. All Size Farm and Stock Gates-with improved features ound on "Ideal", gates only. 6 Styles "Ideal" Lawn Fence and Gates. Brace Wire, Barb Wire Coiled Wire, Stretchers, Steel Posts, Diggers, etc.

## Send today for "Ideal" catalog with Freight-Paid Prices

No. 7400 horse and cattle fence 22 inches apart. $\quad$-line wires, 40 inches high, stays Made throughout of full gauge No

No. 7480 horse and cattle fence
 Made throughout of full gauge No. Price, per rod

No. 831 hog fence
$16 \frac{1}{2}$ inches apart. 8 - Spacing 3 enes 31 inches high, stays Made throughout of full gauge No, evenly galvanized hard steel wire.
Price, per rod 60c

Send today for complete prices on "Ideal" fence gates, lawn fence and all fence supplies freight
paid to any station in either Old or New Ontario.

Quebec and Maritime Provinces
We have opened a warehouse and office in respondence. Ask our Branch, 14 Place Rovale Montreal, Quebec, for "Ideal", ", "ices, freight paid
to any station in Canada east or

The McGregor Banwell Fence Co., Limited Walkerville, Ont

## EIGHTY HOLSTEINS

Will be sold by Auction at the AlLISON STOCK FARM,
Chesterville, Ont., on Thursday, March 21, 1918




## Advice From the Food Controller

Re Maple Suga
: Office of the Food Controller, 1918 sugar and syrup producers you emphasize the opportunity for Canadian maple products, and call attention to the cane and beet sugar shortage. You have authority for using any influence with the approval of this office for the
campaign for increased maple syrup production, so our advice to each maple

Tap More Trees - Tap Every Tree You Can Maple sugar is more than ever a food, a national necessity. Make preparations now to save this valuable crop, and double or treble the production. Every pound of sugar, every gallon of syrup helps food conservation
With a GRIMM CHAMPION OUT FIT yuu can make morre syrupp with less
help. and in less time, and at less cost. than any other way, $\begin{aligned} & \text { Put oush in working } \\ & \text { order and get in touch with us on the }\end{aligned}$ The Grimm
Manufacturing $\underset{\text { Wellington St., Montreal }}{\text { Co., Ltd. }}$
Then writing advertisers will you kindly mention The Farmer's Advocate.
one could imagine that the best way toget
the feath hers into the tub in the first place The feat hers into the tub in the first place
would be to saturate tick and all with ater, then open one end and rake out
thic wet feathers. The tik could then lic. watheat and dried. It would seem, alko that the drying "nets" referred to
would need to be bags, for convenience

Washing Waist-Keeping Furs. DEAR MADAME Huable paper the following questions:

1. How to wash a silk crepede-chinc "ait?" How to pack sable furs for summer Onhs to prevent buffalo-moths from Thanking you for same.
 whine if the work also e cleaned with Newne langer of exploshion. Afterwards Whe weverape have any trouble with moths wing into my furs and the way 1
and them is this: I get a bir paper Them is this: 1 get a biy paper
Iha, then put the furs in after
hain than oul of doen shaken and beaten turn the top of the bag so tight that pipur moth balls in the bag, or Marmalade Without Bitterness.
2. L., Simcoe Co., Ont., wishes a
for orange marmalade with "no
nos in it.

## TUestclox

7 estclox is Big Ben's family one in the patented Westlox way-a betan alarm clock is proud froctisn of Wetitished stece greatly reduce

 Western Clock Co.-makers of Westclox
$\mathcal{B i g}$ Q Ben


Alerestclox Alarm
that is absolutely without bitterness that is atsolutely without bitterness
Even the sweet oranges develop it with the
cooking and do not jelly so well as the bitter ones. A delicious marmalade may, however, be made of lemons alone.
It is not bitter, and just tart enough to be right. It is made as follows.-To 1 ib fruit sliced very thin allow $21 / 2$ pints water.
Let stand over night, then boil slowly $11 / 2$ hours. Let stand over night again, and
add $11 / 4 \mathrm{lbs}$, sug add 1/4 libs. sugar to every pint of
fruit. Boil until it is clear enough.

The Scrap Bag
Instead of Eggs.
of erated in meat loaf used in place recipe and substitute? or 3 se any loa for the eggs. (irated carrots may also he used instead of eggs im pancakes,
When Sewing on Snap Fasteners. toch half bearing the little knob firsi. Then chalk the e little knots with of
dinary chalk; press down firmuly fust ou wish the garment closed. A little line entere where the ot her half of the snaps: should be placed. Colored chalk may be

Raising Dahlias From Seed have had splendid siocess rasising fine dahliat from eeced, and having themb boom
early, ly planting them in the fellowing
 fill with rich dirs and phant ow eeds.
set them in a hallow brew of suil to keet inches high, I plant they are atrout the shell and all. In thi way their roots are
not disturted, and heir , growth is not
the ked the tramelt

## The "Guardian" of <br> Your Cream Profits

It is not a bell; nor a speedometer; nor muscle-it's the suction-feed principle of the Sharples Separator. Other separators do not have this basic advantage-that is why all sorts of make-shifts are adopted. These merely remind you that cream is being wasted-they don't remedy it. To get maximum cream profits you must skim clean at any speed - and there'sonly one way to do it-use a

## SHARPLES CREAM SEMEARETOR

Tests prove conclusively that $95 \%$ of all separators are turned under speed. As applied to the Sharples it does not matter - at 35 revolutions or at 55 revolutions clean skimming is certain. With any other separator (no exceptions) there is a constant waste of cream when turning under speed. This cream waste averages about io lbs. per cow per year, or the staggering total nationally of over 80,ooo,000 lbs.

Another big Sharples feature is the one piece bowl, no discs to clean. You get done quicker and feel in a better humor. Write for catalog. Address nearest office, Dept. 78


тоronto. ont. The Sharples Separator Co. regina, sask. Sharples Milkers-used on ha'j a million cows daily
the mitchell \&\% McGregor hardware Co., Brandon, Man
Distributors for Manitoba



Choice O.A.C. No. 72 Oats Rose Comb Rhode Island Reds



Marcin 7, 1918


THE FARMER'S ADVOCATE


## !! WATCH FOR IT!!

The Big Ayrshire Sale at Woodstock, March 27

## Current Events

This forman: inian io tho

 44 people were saved and 92 lost Returned soldiers who intend to take of land from the Provincial Covernsuent.

## Serial Story

An Alabaster Box.

 The day after the sewing society Elle Dix went up to her room, after hurriedly
washing the dinner dishes. It was still hot, but a vague haze had crept across the
brazen sky since morning Ellen's brazen sky since morning. Ellen's room
looked out into cool green depths of trees, so that on a cloudy day it was almost
too dark to examine the contents of the too dark to examine the contents of the
closet opposite its two east windows. It was a pretty room, freshly papered and painted, as were many rooms in
Brook ville since the sale of the old
Bolton Bolton properties. Nearly every one had so long that the sudden influx of money nto empty pockets had acted like wine thrice replenished his stock of wall papers;
window shades and curtaining by the




THE FARMER'S ADVOCATE.
Founded 1866

Any farmer or dairyman ought to just about double his profits, by carrying out the hints given in our book about

## EDOWARDSBUR(T) Corn for gLUTEN FEED

 milk from their cows-more profit
from their feeding-and at the same time, are reducing their feed bills.
Write for a copy-sent post paid on
request. PROTEIN
gUARANTEED
THE CANADA STARCH CO., LIMITED
Works at Cardinal, Brantford, Fort William 06
Economy in Buying Home Furnishings


their style and quite unlike the glittering
rhinestone variety offered for sale in
Henry Daggett's geneal Henry Daggett's general store.
"I going out for a while, mother," she said, as she passed a while, mother," she
Dix was placidly sewing where Mrs. Dix, was placidlly sewing carpet rags
out of materials prodigiously out of materials prodigiously increased
of late, since both women had been able late, since both women had been able
afford several new dresies "Going to Fanny's"? inquired Mrs. in pretty early, dear, in all this heat.期 I waven't seen their parlor wo with hey got the new curtains up." parlor since
til "I'm not going to Fanny's, right of",
aid Ellen evasively. "Maybe I'll stop on the way back, though, 'Tisn't very
hot ; it's clouded up some." "Better taken an umbrella," her mother ent after her. "We might get a thuther
tormi along towards four o'clock. My houlder's been paining me all the mornBut Ellen had already passed out of she wasty going, with intentions weeds. define, Was, to soing, with intentions un-
(:he Was Or. Pre Perhaps
(hinking) she might see Jim (:he was thinking) she might see Jim
Dodge. Anyway, she wanted to go to
Bolton House. She would find herelf wherein lay the curious fascination of which Fanny had spoken. She was
surprised at Fanny for so easily giving in surprised at Fanny for so easily giving in
about the furniture. Secretly, she considered herself to be possibly a bit
shrewder than Fanny. In reality she was not as easily influenced, and slower at
forming conclusions. She hind of conce scope.
Ellen walked along, setting her pointed daise the dust and soil her nice skirts She was a dainty, creature. nice skirts.
reached the herdge which marked the
beginning beginning of the Bolton estate, she
started, not violently, that was not her av. hut anybody is, more startled at the rest, al.most iigidity, than of a figure
motion. Had the then in motion. Had the old man whom
Ellen saw been walking along toward er, she would wat have started at
ill. She might have glance glanced at him
y since he was a
then that would


## Alpha Gas Engines SAVE

Work No more operating your pump, turning your cream separator, running yourchurn or washing machine by hand.
Time No more hauling your feed to the mill to be cut and
or ground, or hiring someone to come to your
place and grind it for you. A small cutter or Money grinder and your Alpha would always be ready. Fuel The Alpha uses gasoline or kerosene, and much

An Alpha Gas Engine will soon pay for itself on your farm

THE DE LAVAL COMPANY, Ltd
 ONTREAL PETERBORO WINV of Lines mailed upon request. ;0,000 BRANCHES AND LOCAL AGENCIES THE WORLD OVER

IUE Mrpio

## Save Food

In a time needing food economy many people are not getting all the nourishment they might from their food.
It is not how much you eat, but how much you assimi-
late, that does you good.
The addition of a small teaspoonful of Bovril to the diet as a peptogenic the diet as a peptogenic more thorough digestion and assimilation and thus saves food, for you need less.

Bond Safety with Share Profits
 Tur






FERGUSON, SANSON \& GRAHAM INVESTMENT BANKERS
85-M BAY STREET



## RAISE Every CHICK

More chickens this year than ever before. More for ur table, more for market
That's the demand. You need them to replace highpriced meats. The country needs them for the same purpose.

The opportunity to make money and save money with poultry was never so great as now. But you must make every chick from your high-priced eggs grow, and every ounce of your high-priced feed produce meat.
Certainty of success-of raising every chick that is right to maretable age quickly-is insured when you use the

## TANDARD

It stops the frightful losses so common to the brooder period. Makes three chicks grow where one grew before. Broods 100 to 1000 chicks with equal success, at a cost of less than 6 cents a day. Burns lation and operating cost to less than half-labor cost to less instalfourth.
where Absolutely safe and sanitary. Nothing to catch fire; no corners where chicks may be crushed; no wooden walls or curtains to harbor vermin and a smooth bomplete ventilation without drafts. Nothing to it but a smooth, solid cast iron stove, a clean galvanized steel hover, and feeding and self-regulating.
be protected good that it has many imitations. But our patents will be protected. Make sure you get the Standard. We are- so certain
that it is the best brooder ever built, so sure it will satisfy, that we

## Write Your 0wn Guarantee

What do you want a brooder to do for you? Wrtte it down. Well sign it.
And if the Standard does not fulfill your guarantee in every particular we will return The Standard is endorsed by an agricultural colleges and experiment stations.
Among more than 30,000 enthusiastic users, big and little, not one failure has ever
been reported. Over 6000 dealers sell it. The one nearest you will be glad to show you the
Standard in operation. Write for the Buckeye Catalog and get the most wonderful t.
raising success you ever reed. A poet card request will bring it.
The Buckeye Incubator Company
222 Euclid Ave., Springfield, Ohio


122-Acre Farm-\$15,000
FINE FARM FINE BUILDINGS FINE SITUATION

 Willoughby Farm Agency, Dept. 400, Georgetown, Ont., Head Office.
O. A. C. No. 72 OATS



ever I like. Don't care for automobiles get you over the road too fast. No, no;
I won't go out in the automobile, unless I feel like it! No, I won't; and therz's an end of it!" in the dust, as if emphen down heavily ment. "Guess your father left you pretty well off, eh, my dear?" he went on presently. "Gad to see you looking so fresh and
neall dressed."
The man's eyes, extraordinarily bright and keen, roved nimbly over her face
,
and figure.
"No, he did not," replied Ellen. "My Iather used to be rich," she went on.
"I've heard mother tell about it hundreds of times. We had horses and a carriage and plenty of money; but when the bank
went to pieces my father lost everything went to preces
The man was peering at her from under his shaggy gray brows.
"Bur not because the bank failed? Surely not because he lost his money? That sort of thing doesn't kill a ma
dear. No, no!",
"It did,", declared Ellen firmly.
"It did," declared Ellen firmly.
The man at once seemed to grow smaller; to huddle together in his clothes. He muttered something unintelligible, then
turned squarely about, so that Ellen turned squarely about, so that Ellen
could see only his hunched back and the glistening white hair cut close behind his waxen ears.
The girl walked thoughtfully on, but
when she paused to look back she saw when she paused to look back she saw
that he had resumed his slow walk in the opposite direction, his stick describing odd flourishes in the air, as before.
When she reached Bolton House she was ushered into a beautiful parlor
by a prim maid in a frilled cap and apron. The maid presented to her attention a small silver tray, and Ellen, blushing uncomfortably because she ha
no card, asked for Miss Orr no card, asked for Miss Orr. "I'm sorry, Miss," she said, "I reappeared. Miss Lydia was at home, but I can't find her anywheres about.'
She eyed Ellen's trim figare doubtfully. "No," the was any message-
"No," said Ellen, "I only came to call." maid. "Miss Lydia'll be sorry, too. Who shall I say, please?
"Miss Dix", replied Ellen. She walked past the maid, who held the door wide or her exit. Then she paused. A surprising sigh. met her eyes. Lydia Orr,
hatless, flushed as if by rapid flight, was just reaching the steps, convoying the
strange man Ellen had met on the road strange man Ellen had met on the road
a short time before. a short time before
The maid at her
Ellen stood staring. So this was the person Jim Dodge had gone to fetch from somewhere
"But it isn't
walking out to take the air," "me to be heard, in the heavy mumble of the man's voice. I won't stand it, either. I I might as well be Lydia interrupted him with a sharp exclamation. She had caught sight of the scared face of the maid looking over her shoulder.
Ellen's face crimsoned slowly. All at
once she felt unaccountably ashamed. She wished she had not come. She felt that she wanted nothing so much as to hurry swiftly away.
But Lydia Orr still holding the sater Rut Lydia Orr, still holding the strange
old man by the arm, was already coming up "the steps. "I'll not go in the automobile, child"
he repeated, with an obstinate flourish' I want to see things. I want -"" so fast He stopped short, his mouth gaping,
his eves staring at Eillen. his eves staring at Ellen. "That girl!" he almost shouted. "She" told me - I don't want her here. She Go away, girl, you make my heart hurt !";
Lydia flashed a beseeching look at Ellen, L.ydia flashed a beseeching look at Ellen,
as she led the old man past. "Please come in," she said; "I shall be at
liberty in just a moment. Come father!" EIlen hesitated. murmured, and slowly descended she teps. $T$. dien it The di-creet maid closed
hind her.

## Cash Prize Bulletin HERE IS THE FIRST PRIZE

The Jarmer's Abuocate and 鯂ome flagazine
No. $27384950 \quad$ London, Ont. April 2nd, 1918
Pay to winner of cash Prize competition
FIVE
or Bearer
Dollars
$\$ 5.00$
THE WILLIAM WELD COMPANY, LIMITED

The Second Prize is $\$ 3.00$
The Third Prize is $\$ 2.00$
These prizes will be given to the three readers of this paper who send in the largest lists of names of new subscribers to THE FARMER'S ADVOCATE AND HOME MAGAZINE before the end of March.

## THIS IS HOW THEY STAND THIS WEEK



This is a great competition. Every place down to the fifth is tied, and there is only a difference of six names between the leaders and those in fifth place.
Don't You Want To Join in This Competition?
Remember that those who don't win prizes get a liberal commission on each name sent in and a special bonus each time a list of ten new names is completed.
You Will Make Some Money Anyway!
Don't delay, as the competition
closes at the end of March, but
you still have plenty of time to you still have plenty of time to finish among the first three.
Cut out the coupon at the bottom
of this advertisement, and we will
sen you surplies and instructions


## THE FARMER'S ADVOCATE

## Gossip.

The annual statement of the Standard Bank on canada,
the shareholders at their annual meeting recently held, shows 1917 to have been a
banner year. OOe featire of banner year. One feature of the statement was a very substantial increase in
the Bank
B assets which now amount to
 $\$ 14,100,000$. This, added toe other readily available assets, equals fifty per cent. of
the total liabilities of the Bank to the the total liabilities of the Bank to the
public. There has been a marked increase public. There has been a marked increase increased during the year and now stands
at $\$ 3,453,290$, and the reserve fund at at $\$ 3,453,290$, and the reserve fund at
$\$ 4,453,290$. Besides paving the usual
 has contributed $\$ 20,000$ to the Officers'
Pension Fund, and $\$ 31,250$ to patriotic Pension Fund, and $\$ 31,250$ to patriotic
funds, and also made provision for any
fuscit funds, and also made provision tor any
possible depreciation in securites. There
was carried forward to the credit of Prorit Was carriep forward to the creredit of Prorfe
and Loss Acoount, 8175,215 . The statement should be gratifying to the share-
holders, and reassuring to the public. The holders, and reassuring to the public. The
Standard Bank was established in 1873 and greater progress has been made dur-
ing the past year than in any previous
joar

Oxford Breeders will Sell Holsteins. Practically everyone interested in live Sounty as a dairy district, and appreciates the excellence of the pure-bred Holitein
herds of which there are many within the herds of which there are many within the
County limits. The oxford Co $\begin{array}{cc}\text { County } & \text { limits. } \\ \text { Holstein Friesian } & \text { The Oxford County } \\ \text { Breeders' } \\ \text { Club, }\end{array}$ March 20, will sell 70 head of cattle selected from the members' herds, and
the reputation of this Club, already the reputation of this Club, already
established, is sufficient guarantee that the quality of the offering will be right.
 sometime and intends to continue, so no prospective purchaser need have any
doubts but what he will be treated absolutely on the square. This is the season of the year when farmers can buy cows or heifers and do well with them,
for they soon go out on grass. From the for they soon go out on grass. From the
advert $i s e m e n t ~ w h i c h ~ a p p e a r s ~ e l s e w h e r e ~$ in this issue, readers can learn something about the high quality of the offering,
but still further particulars can be obbut still further particulars can be ob-
tained rom the Secretary, W. E. Thompson, Woodstock, who will mail a catalogue on, request. The managers of this s.ale
have selected a great deal of $30-\mathrm{b}$. blood have selected a great deal of $30-1 \mathrm{lb}$. blood,
and have laid considerable emphasis and have latid considerable emphasis
on individuality. ${ }^{\text {of }}$ The offering consists of heifers, spring srrs and conws consists
There is an extra good lot of thilk. There is an extra good lot or ob bulls, whose
dams' records run up to 33 lbs. butter, dams' records run up to 33 lbs, butter,
and in some cases the four nearest dams average so 30 bases in teven day nearest The sams
will be held in the Dr. Rudd's Sale Stables and all will be made comfortable. See
the advertisement and wite catalogue, mentioning this paper.

Hon. I. B. Lucas, Attorney General of
Ontario, annoumced Ontario, announced in the Legislature
that stens are to be taken to venereal diseases and feeble-mindedness
in the
of Representative women from all parts confer with met har Committee of the
Catinet

ThE STANDARD BANK OF CANADA
of the Bank, 15 King Street West, Toronto, on Wednesday the Standard Bank of Canada was held at the Head Office Targe number of sharehodars were
the meeting, and read the following report the year endinit the 3lst of to present to the shareholders the 43rd Annual Report and Statement of the affairs of the Bank for count, exchange, cost of management, etc., amount to bad and doubtrul debts, rebate of interest on unmatured bills under discount, exchange, orst of management, etc., amount to $\$ 649,546.44$. This amount, toget her with the balance forward from last
year and $\$ 120,017.8$ for premium on new stock issued, makes the sum of $\$ 923,187.93$. is has been appropriated as follows:-
Four quarterly dividends st the rate of $13 \%$ per annum
Contributed to Officers' Pensie
Contributed to Officers' Pension Fund...
$\$ 442,782,77$
$20,000.00$
8
War Tax on Bank Note Curculation to 31st of December, 1917
Transferen do Re Reserve Fund fromen tromist of December, 1917
Reserved for estimated depreciation in seccuritien New Stock.....
Reserved for estimated depreciation in securrities
Bew
Balanco of Profit and L Loss Account carried forward
$31,250.00$
3,
$33,891.48$
$120,047.86$
$120,047.86$
100,0000
Scholfield, who entered the service of the Bank as a a iunior death, in March last, of our late general manager, Mr. Georye P. P . 1912, under whose management the Bank made marked progress. Your Directors appointed as his successor, Mr. Charles H.
Easson, formerly of the Benk of We also regret having to record the death of Mr.T.H. McMilla the Western Bank of Canada, of which he had been general manager, was amalgamated with this Bank. The vacancies in the
Board have been filled by the Board have been filled by the appointment of Mr. T. B. Greening and Mr. James Hardy, F.C.A.
During the year, Branches and Sub-Branches of the Ban. Saskk. (sub. to Eston); and Westerham, Sask. (sub. to Estuary). The Sub-Branch at Cherryy Valley and the Branch at Schu-
macher macher, Ontario, were closed. and efficiently discharged. $\begin{gathered}\text { The }\end{gathered}$ The regular audit of the Bank's affairs has also been made by Mr. G. T. Clarkson, F.C.A., whose report is appended
herewith. Mr. Clarkson's name will be again submitted at the Annual Meeting for reappointment ws larkson's name will be again submitted at the Annual Meeting for reappointment as Auditor for the ensuing

GENERAL STATEMENT
Notes of the Bank in circulation.
Deposits
liabilities
Deposits bearing interest (including interest accrued to date)
Deposits not bearin
Dividend No. 109, payable 1st February, 1918
Balances due to Banks and Bankin Cor
Acceptances under Letters of Credit
Capital paid up.
Reserve Fund
Balance of Profit and Loss Account carried forward
$\square 840301688.055(5,484,383.00$

ASSETS
Current coin held by the Bank

Deposit in the Central Gold Reserves
Notes of other Banks.
Cheques on other Banks.
Balances due by Banks and Banking Correspondents elsewhere than in Canada
Dominion and Provincial Government Securities not exceedinin
Canadian Municipal Securities and British, foreign and colonial public securities other than Cand
Railway and other bonds, debentures and stocks not exceeding market value
Call and
Call and Short (not exceeding thirty days) Loans in Canada on bonds, debentures and stocks
\$40,301,688.95

- 58,080,703.90
$58,080,703.90$
$112,094.17$

Other Current Loans and Discounts in Canada (less rebate of interest)
Litier ilities ofren Customers under Letters of Credit as per contra.
Real testate other than Bank Premise
Real Estate other than Bank Premises
Overdue debts, estimated loss provided for
Bank Premises, at not more than cost, less amounts written of
Deposit with the Minister for the purposes of the Circulation Fund
Other Assets not included in the foregoing

 January 3st 1918, I centift that in my opinion such B Balance Sheet exhibits a true and correct view of the qank's affairs according to the beest of my
information, the explanations siven to me, and as shown by the books of the Bank






## Palmer's © <br> 

 $G^{\text {IVE }}$ real foot comfort to tired, aching feet. They proof leather. These summer packs or plow shoesare light, strong, durable-mate are lieht, strong, durabe sle mader packs or prow shoes
leather sole and heel and zold worpred leacher sole and heel and solid leather inosles are
laced, have large eyeles and bellows ongues The ideal shoe for working on the land.
They are also specially suitable for ranchers, trackmen, laborers, sportsmen and all others
ing extra strong yet comfortable footwear. The style shown-No. 109 , is nine inches
high. Ask your dealer for Palmer's famoser "Moose Head Brand" footwear-many styles and sizes to choose from.
JOHN PALMER CO., Limited
Fredericton, N. B. Cander Limited

Dunrobin Farms Dispersion Sale of Registered Holsteins
The property of COL. JOHN A. GUNN, will be held
Friday, April 5th, 1918
At Union Stock Yards, Toronto, Ontario
43 HEAD 43
Inadequate railway service and scarcity of efficient help compel us to go out of darying. The herd is being sold in Toronto, as train connections for Beaverton
are not good for buyers from a distance are not good for buyers from a distance.
Some 30 of the herd are bred to Echo brother to May Echo Sylvia. For catalogues (ready March 15thire is a full DUNROBIN FARMS BEAVERTON, ONT.


Gossip.
Dual-Purpose Shorthorns. A typographical error occurs in the
advertisement in this istue of dual purpoee Shorthorns, the property of I). Z. (Gil)-
son, Caledonia. The word "Holstein"
$\qquad$
$\qquad$


Royal Purple Poultry Specific
$\qquad$
$\qquad$
$\qquad$ find it beats anything I have ever used as an egg producer. They started to lay

appears instead of "Shorthorn." Mr.
(iibon is advertising two young bullAllison Stock Farm Holstein Sale. Elewhere in this issue is an advertise-
ment deccribing in lrief the offering of
80 Holteins to the sold by the Allison Stock Farm, Chesterville, Ontario, on
Thursday, March 21. The majority of the sires mentioned are known to all
followers of the breed and the recorid describe prety fully the quality of the
cows and heifers from the viewpoint of
production. (On account of the starcit) production. On account of the scarciry
of help the Allison Stock Farm has been required many years and considerall
capital to develap) 110 stein breeler and farmers in general, therefore, have
this opportunity of obtaining some richly, bred catue at acir son proce. The
terms are easy and the stok good so they
camnot afford to overlook this auttion sale at Chesterville, on March 21. Write
for catalogues and mention this paper.
Sale Dates.

 Bredch, 7, 1918.-Bruce County Stock
hoeders' Clut, Walkerton, (Ont. Short
horns March 7, 191s.-Sherrick Brous-- Beth-
enda.-Holsteins. March 7, 1918-W. J. Cowan, Canning
ton, Ont.-Clydesdales, Aberdeen--Ingu and grade cattle. W. J. Wray and II
March 8, 1918 . W, O.
O. Coon, Tottenham, Ont.- Scotch Short horns.
March 8, 1918.-Wim. A. Rife, Hespeler Ont-Holsteins.
March 11, 1918.-D. A. Boyle, Wood stock, Ont.-Jerseys.
March 12, 1918.-J. M. Van Patter \& Sons, R. 1, Avimer, Ont-Holsteins.
March 13,1918.-Perth District Breed ers' Club, Stratford, Ont.
March 13, 1918. -Laidlaw Bros., Ayl mer, Ont.-Holsteins. Lambton County Pure-bred Stork Association, Petrolia,
Ont. March 14,1918.-London District Ho
stein Breeders' Club, London, Ont. Holsteins.
March 15, 1918.-Weil \& Lyfield, Narch 15, 1918.-HI. Clark Hammer Narth 19,1918 . Noah S. Bender
Tavistock. Holteins.
$\qquad$ March 20, 191s, ()xtord District Hol Voodsock, Ont Holsteins
March 2i, 1915.-Henry Arkell \& Son


Hatch Chicks with a Cycle Hatcher $\$ 7.50$

COLLINS, of the Collins Manufacturing Co.


## PURITY FLIOUR

 (Government Standard) A Dependable Flour For All Your Baking iz manufactured by Western Canada Flour Mills Co? Limiled
## MIITON BRCK

has advanced VERY LITTLE. NOW is the time to improve your
farm by building an attractive, warm, substantial Milton Brick
MILTON PRESSED BRICK CO., LIMITED
fead Office: Milton, Ont. Toronto Office: 50 Adelaide St., West

THE TORONTO WORLD MONDAY MORNING FEBRUARY 18, 1918
POTATO GROWERS AND INSECTICIDES

Caesar States Arsenite of Lime Will Prove Good Substitute.

## TOMATO POLLENIZATION

Illuminating Address on Tomato Growing and Shipping, by Experts.

Some pointers of great interest to to
vegectable
growers
werre

Convenion last week of the Ontario
Vexetabel Growers
Association at 22
College street, Toronto. Altho there
isis
fair tock of ot Paris green on hand at the
present time, Mr. Caesar predicted that
al shortage in the suply would occur be-
Iore the end of the coming season. He
therelore, disusused the possibilities oi
substitutes for Paris green
The speaker stated that arsenite of
by potato growers for the eliminintion of
potato buys and other insects. He stated
that it was one fith stronger than a rsenite
ot tead in arsencic the poisonous agent,
the the

Acco Spray<br>Arsenite of LIME Sure destruction to<br>\section*{POTATO BUGS}<br>and all crop-destroying in insects and blights.<br>SAVE MONEY SAVE CROPS<br>Chemicals are very scarce - B UY Y O UR SUPPLY EARLY<br>Ask your dealer, or write<br>Acco Chemical Co.<br>Toronto, Ont.

HAROLD F. RITCHIE \& CO., TORONTO selling agents

[^1]FIRST PRIZE
O. A. C. No. 72 OATS In Field Crop Competition

 OSCAR KLOPP, SEED GROWER
Zurich. Huron County.
Ontario
SED Artificial limbs are admitted DUTY FREE. SOLDIERS and others should get the best


YEAR BY YEAR
the returns of THE GREAT-WEST LIFE ASSURANCE COMPANY become more and
more satistactory. The essential figures for 1917 are as follow
 Increase of business in force in 1917
Total assets Dec. 1 Ist, 1171
Interest in earned on investment one 19.626 .717
$2,4.35 .660$
7 per
pernt.

Those needing Life Insurance will do well to investigate the Policies of
THE GREAT-WEST LIFE ASSURANCE COMPANY



Questions and Answers
 deparment tericis etould be ctanty stated wind
 dras of the writer
3rd In veterinary especially muster be fully aunt and clear, the setymptome sted
wise satisfactory replies cainnot be given. other-
 Miscellaneous.

## Fertilizer

Tankage testing 45 per cent. proteil can be purchased for $\$ 3$ per cwt. Would 45 per cent. protein be equal to 45 per ent. nitrogen when mixed with 16 per ent. phosphate, or would nitrate of soda be cheaper fertilizer to purchase in order

H. M.

Ans. - Protein and nitrogen are two encarry 16 per cent. of nitrogen. The nitrogen would apparently cost a little less than $\$ 4.20$ per unit. Nitrate of soda is now selling for a little more than $\$ 100.00$
per ton, which would make the nitrogen in it cost about $\$ 7.00$ per unit as compared with the $\$ 4.20$ in the tankage. You may mix the acid phosphate with the tankage, but it would not be good practice to
mix acid phosphate with the nitrate of soda. R.H.

Sweet Clover
regarding the family secure information clover. Is it an annual or perennial? What are the customs or practices in cultivation previous to seeding, handling it for hay, pasture, silage or seed? When is the usual time for planting? Is it ad-
visable to sow it alone or with a nurse visable to sow it alone or with a nurse
crop? How much seed should be sown to the acre? I have five acres of fall rye, is it advisable to sow sweet clover
on this field this spring for a hay crop Ans.-Sweet clover is a plant which had long been considered a weed, but
of late vears it has proven to be of considerable value as a fodder crop. There are several species, the common one being
white sweet clover (Melilotus alba). This plant is widely distributed, and is a biennial producing its seed the second year. The plant may grow to 2 or $21 / 2$ fect
high the first year, but does not produce bloom or seed. The second year, seed is produced and the plant dies. The second year the plant attains a considerable height and the stems get fibrous and
woody after the bloom begins. The yellow sweet clover (Melilotus officinalis) is also a biennial with much the same habit of growth as the white sweet clover,
but it does not grow quite so caarse or large. The plant is a native of Central Asia. It has been grown on many Canadian farms with more or less satisfactory results. It is an excellent plant
plow under to increase the fertility of the soil. We have seen cattle keep as fat as eals when pasturing on white sweet clover. As the plant grows rapidly, the short and we have seen theem pasturing them from viere the plants almost hid be taken that the plant is cut before it gets too woody. In cutting it, the cat
ting-bar must be raised higher than for other crops if a second crop would be
harvested that season. Cutting should not commence until the new growth is
starting from the crown. If the weather is bad for curing hay, the crop may be ensiled. There is a slight difference of opinion as to the value of the crop for
silage, but the stock will eat it all right For seed production, the first crop the second year can be allowed to mature, although many find it more economical to take the first cutting for hay and allo
the second cutting for seed. It should be harvested when three-quarters of the seed pods become dark and it can be cut with the binder and handled smmar to grain crops. The seed bed
should the thoroughly compact with just sufficient loose soil on the top to cover
the seed properly. From is to 20 lbs. the seed properly: From 18 to 20 lbs.
of seed per acre is the customary seeding and it may be sown with a nurse crop,
similar to red clover. You might get a very , wond catch by sowing it on your
field of fal! rye. The rye would be ready
thenld to harveet before the sweet clover would
lie far enough advanced to interfere very and wring Labor Pro Buy a


The Mut been inve nearly fif the loss

Make you No lawyer Will Form directions thecify Bax
then you any substit

## 1

 and wringing; drive your churn andcream separator has surely solved your Labor Problems.
Buy a Maytag Multi-Motor A postcard will bring you full
particulars and prices.


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The Mutual of Canada has been investing money for nearly fifty years without the loss of one dollar.

Make you own Will at home. No lawyer needed. Bax Legal Will Form is binding. Has full Specify Bax at your stationers. then you are sure. stationers, any substitute, 35 c . Don't take Improved
0.A.C. No. 72 Seed Oats
R. Slean and of ercellent oualitit.

## HAY WANTED

Gossip. Some sows are more prolific than others and some have proven to be very profit
able, but few can reach the able, but few can reach the record made
by one of B. Armistrong's sows. litters 101 pigs were farrowed, and in the seventh there were 20, thus making 121 pigs in 7 litters. We have no record of the number of pigs raised.

At the London District Holstein Breeders' Consignment sale there will be a number of choice individuals, both male and female, offered for sale. By looking over the catalogue you will notice that
many of the entries have made creditmany of the entries have made credit-
able records, or are the progeny of highable records, or are the progeny of high-
producing stock. B. R. Barr, of Mossley, producing stock. B. R. Barr, of Mossley,
is offering a particularly choice young buli is oftering a particularly choice young bull
about ready for service, that is a full about ready for service, that is a full
brother to his present herd sire. His two grandams have a seven-day record of 31.28 pounds, and their average per cent.
of butter-fat is high. If looking for of butter-fat is high. If looking for a
herd sire, or a few good breeding females, herd sire, or a few good breeding females,
it would be advisable to attend the sale.

Plaster Hill Shorthorns. Parties wanting anything in Short.
horns, either male or female should re member the Plaster Hill herd, owned by F. Martindale \& Son, Caledonia, Ont, This herd now numbers about twenty-
three head of dual-purpose ShorthornChree heact of dual-purpose Shorthorn At the head of the herd is the bull Com-
mander 115964 , whose dam Jean Maisie mander 115964 , whose dam Jean Maisie
111499 has an official record of 8,000 lbs at three years. His sire's dam also has a
record of 13,500 lbs. In this herd are a number of big, strong, useful cows of the
righe right type with records ranging fron
6,400 lbs. at two years old to 11,636 lbs at mature age. The present offering in-
cludes about a half dozen young bulls from four to thirteen months old. Any one wishing particulars about thes
animals should write Messrs. Martindale or see the herd.

Brant District Holstein Breeders' The Brant County District Holstein in Brantford, on Wednesday, February 20. There were about seventy-five mem-
bers preest and an enjoyable time was spent. At the afternjoon meeting, was
inctive addresses were given by Prof structive addresses were given by Prof
E. S . Archibald, of the Experimental
Farm. Ottawa Farm, Ottawa. He spoke on "Value of
Feeds," "Economy in Co-operative, Buy-
 College, also gave an interesting address. Prior to the time set for the gathering
the members of the sales committer met to complete arrangements for their com-
ing sale on Arril 2 . They expect to have an offering of fifty choice cattle, ninetyfive per cent. of which are females-the
greater number being fresh or springers.

The Laidlaw Holstein Sale. A distinctive feature of the public sale
of Hosteins to be held by Laidlaw Bros., Ourvilla Farm, Aylmer, Ont., March 13, is that the 3 lots offered were ant bred an
Ourvilla. Seldom is it the case at an auction sale that all the animals sold are
bred and reared by the vendor. Imbred and reared by the vendor. 1 m .
portant also is the fact that all but six portants offered are daughters or grandanimats
daughters of that noted sire, Dutchland
Colantha
Sir Abekerk with such a reColantha Sir Abbekerk, with such a re-
markable number of R. .f M. sons and markable number of Female of this breeding will daughters. Femate be bred to Finderne King May
nearly all be frome, the production point of view, or to Maplecrest
is the only cow in the world having two
dauthters with over 1.300 lbs. butter daughters with over 1300 lbs. butter
each in one year. Further information concernind in the advertisement in this
containe Prospective purchasers going to
issue Aylmer will have an opportunity of at-
tending two sales, and it will be two days


## Make a Clean Job of It

When YouRepair or Remodel
(1)

Ste how cealily youc can cover pp old dingey Cracked walls and build-in permanently new room Quite a contrast between doing your repairin
and remodeline with clean panels of Beaver Board and tying go get a permanent job with mesy lath Now you
Now you can use Beaver Board and put it right
on top of the old walls and ceilings. With Beaver on top of the old walls and ceilings. With Beaver
Board you can make usable rooms out of useles spaces in attic and basement.
Then too it is as good for the new home as it
is for remodeling the old one. is for remodeling the old one.

Beaver Board is a new form of lumber. It's tree into large sturdy panels of knotless, crackles manufactured lumber. It's moisture-proofed by a Sealtite process that prevents warping. Beave Board wast as lag as the bulding.

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Moot Lumber and Building Supoly Dealers carry Beaver Boench

## BEAVER BOARD <br> FOR BETTER WALLS 8 CEILINGS




## Buy Wire Fence That Gives Service

result is the added expense of replacing it after a fence distributed throughout Canada and the Frost $F$ enens of replacing it atter a few years.
quently satisfaction. At made in Canada and is made right to give long service and conseever before that you get value for your money. Gret that which will give you the bertant than Do not allow the low prices on inferior goods to warp your good judgment; because you live in the country of wonderful opportunities and you'll have a great many chances to use your money to better advantage than replacing cheap fences every few years

## Get Frost Fence-It Lasts

You will notice the illustration of the FROST HOLDOTTGHTH LOCK. This is the of the FROST
used where stay wires cross laterals. This lock is much used where stay wires cross laterals. This lock is much securely without kinking the lateral or running wire, thus weakening it. There is only a slight kink in the stay wire, and the general appearance is as
neat as could possibly be wished for. Frost Fence is made as low in price as it can possibly be made and still have the material,
that wears, in it.

When you deal with FROST STEEL AND WIRE O. "STD. you deal with a concern that has developed We'll continue this policy throughout and west pitch. the chance of a trial onth than and and see just what a difference then can test it out ordinary wire fence and FROST FFe is between all styles for all purposes.
Frost Steel and Wire Company
101 hamilton Llmited canada

Questions and Answers


## 

 1918, shall not be greater than is hereinafter set forth, namely, by dealers distributing ex-warehouses or premises bag of 100 lilos. may be added to the cost as set forth in Order No. 5 issued on the station where dealer takes delivery from the dealer, not more than purchaser per bag of 100 Ilbs may be added to the he miller seller's railway station. Where consumer in quantity or quantities the than teton toes, mot more than 5 cent per bag of 100 lbs . shall be added to the
price at which the miller sell under Order No. 5 . Where, however the purchaser brings bags to the mill, then
not more than $\$ 2.00$ per ton shall he added to the price of bran and shorts in bulk, as directed by Order No. 5 ."
Order No. lows: "That the maximum price a after the 17. th day of December short 824.50 per tom of $2,000 \mathrm{lbs}$. for bran. "Thee prices shall be for bran and shorts in loll, freight paid at Fort Wild may be added the cost of bags and freight
from Fort IVilliam and Port Arthur to the pome of destination, east of Fort
William amd Port Arthur. At point he madman diam and Port Arthur and Cont Arthur, les the difference be and the fright charges to such points
Fort ill cat of Fort \IVilliam and Port Arthur, the .". (1) The maximum hall be given: when t Mr thur . Marges to point of "(c) The cost of bags.

## PERCHERON <br> AND CLYDESDALES

We Have for Immediate Sale the Following:




HODGKINSON \& TISDALE
BEAVERTON, ONTARIO
Here's a Top-notcher!

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 from and after the $19 t h$ day of January Over" a Thousand FarmsWhat the Farmer Can Do With Concrete" is a 100-page book now in the hands of over
100,000 Canadian farmers. Fully a thousand of these have practically "made over" their farm by its help-thousands made over their farms act on its valuable instructions by making some of their much-needed improvements of

CONCRETE
find in this free book -there are hundreds of other suggestions, some perhaps more valu-
able to you than this ore bow you than this one. It shows you provides room for a concrete Root Cellar. Bow to use Concrete in building a Silo -a - a Walk -or a fence post.
vermin-proof; sanitary
Remember! Concrete Improvements are fireproof; rot-proof; vermin-proof; sanitary and indestructible.

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One of the many useful hints it gives is
on the construction of a proper BarnApproach like that here illustrated. Built this way of Concrete the "Approach"
Write for the brook. Use Signify what you want information about a a the coupon. Mark on it the
subject or subject immediately interested in



## Here's the Book that "Made

 dded improvements of[^2]


## Mating Time Is Here

Now's the time to put your hens and roosters in the pink of condition with Poultry Pan-a-ce-a
If you want chicks that will live and develop rapidly-if you want early broilers-if you want pullets that will develop into early winter layers, then feed the parent
stock Dr. Hess Poultry Pan-a-ce-a stock Dr. Hess Poultry Pan-a-ce-a.
Remember, it's the singing, scratching, industrious hen that lays the healthy, fertile eggs that will hatch into strong, livable chicks.

## DR.HESS pobure PANACEA

Makes Poultry Healthy-Makes Hens Lay
Here are a few of the valuable ingredients in Pan-a-ce-a to meet the requirements of your poultry which I have just stated: Nux Vomica, a nerve tonic; Carbonate of Lime, a shell former; Hyposulphite of Soda, an internal antiseptic; Quassia, an appetizer; Iron, to enrich the blood, and other valuable ingredients, all well known and recom-
mended by the highest medical and veterinary authorities mended by the highest medical and veterinary authorities. There's a dealer in your town that will supply you with Dr. Hess Poultry Pan-a-ce-a and it's to make your poultry healthy-it's to make your hens lay-it's to make your chicks grow-if it doesn't do these things, he will return
every cent you have paid him. Packages 35 c , 85 c and every cent you have paid
$\$ 1.75 .25-\mathrm{lb}$. pail, $\$ 3.50$.

DR. HESS STOCK TONIC
A Worm Expeller
A Conditioner for Spring Work


## Dr. Hess Instant Louse Killer Kills Lice

Steel Wheels Mide to init Your



## Cournoteed Cembime GriEverloting Mifa 



## WHY

ARE HEREFORDS THE BEST BEEF CATTLE
Watch next issue of this paper, or if you cannot wait, write:
CANADIAN HEREFORD BREEDERS' ASSOCIATION
Ancaster, Ontario
D. Smith S

## Sundrum Clydesdales

Several choice imported and Canadian-bred mares, sale in fool. Also several prize
winning fillies and stallions, and a few show geldinks, 2 and 3 vears of ase

R.R. No. 4, HAMILTON, ONTARIO

Questions and Answers. Miscellaneous.

Bridge Grafting
My young orchard is badly girdled by mice. Is there anything that can be
done to save the trees? They are ius done to save the tres? Ther are jus
commencing to bear.
B. M. F. Ans.- Yes, there is a possibility of sav ing the trees by bridge grafting. The
scions are cut wedge-shaped at both end and by use of a sharp narrow chisen an
insertion is made in the live bark above insertion is made in the live bark above
and below the girdled portion. The ends and below the girdiled portion. The end
of the scion are inserted under the bark and both unions are then waxed over Care must be taken that the layers of bark on the scion come in contact with a
similar layer on the trunk of the tree order that sap may be carried over the
on girdled portion. We have seen trees
which were badly girdled saved in this which
way.
Potato Planter-Poison for Buga chase a potato planter where only poracre of potatoes is grown? Would it than if he plowed his potatoes in?
2. Whe are 2. What are the qualities of the Here
ford breed of cattle? Are they better Yord breed of cattle? Are they better
than other breeds for beef, milk and butter? will she get new ones if she is properly 4. Is there anything better than Paris green as a potato bug destroyer?

Ans. -1 . When using a potato planter
the land must be in proper tilth before the and must be in proper tilth before
the potatoes are planted. This implement is used extensively in districts where a large acreage of potatoes is grown, and
is used in districts where only an acre or is used in districts where only an acre or
two are planted to the farm, but in the latter case one man usually has a planter and rents his machine to his neighbors. It would take a long time to get the
money out of the machine if it were used for one acre only.
2. The Hereford breed of cattle is popular in many districts. They are a
beef breed, are excellent grazers, and give beef breed, are excellent grazers, and give
good results when stable fed. They are good results when stable fed. They are
not particularly noted for milk and but3. Once a cow loses her teeth she does not get anot her set.
4. Paris green is the poison commonly used for destroying potato bugs. How-
ever, there are a number of comerial preparations on the market which prove
satisfactory: Arsenate of lead is a poison which is being used more and more each

Pruni
Pruning Grafting- Names of Early
Strawberries. 1. There is a pasture farm here
through which the river part sandy loam. Cattle pasturing on
it do not seem to thrive very well. Is it because the soil is cold? Kindly name e the quantity of beewar,
tallow and reein to make two pounds of grafting wax.
3. When the thest time to prune fruii treen, , in or or later ont time to prune
4. Kindly give me the names of some early strawberries. the names of some bottoms make good grazeral thing river bottoms make good grazing lanc, and it
is difficult to state why this cass is an
excertion to sandy mive soil exception. A sandy loam soil misht
dry out considerably during a dry season; Otherwise it should grow good grass.
Posibly it would benefit by draining and again, lime might be used on it to advantage. .
2. Grafting wax can be made of the
ves. following proportions: Tallow, one part; teenwa, wo parts; resin, lour parts. hne
quantity can be made as long as these proportloms are used. 3. Winter is no better than spring for prouning fruit trees, that is, from the eview-
point of the trees; but as labor is scarce and there will be so much to do in the spring it is being recommended now to do
all pposible pruning before the season 4. Mithael's Early is one of the best
 variety Which also has a perfect flower.
GIlen Marv ripens in mid-season. It has a perfect flower and is quite popular on

March 7, 1
Potato During the of potato-spr veld at Ch Station, P. growers atte and late in $A$ visited the S examinet the jemonstraced n many parts
neason and not sprayed wite a bad a present. Four o each plot. field for purp before potato pick out the disease-infecter 80 gallons of the acre, at a co The plot yiedde
of marketable more marketa
corresponding corresponding
giving a net g . spraying of spraying down
through from through from
of Bordeaux application per
at the rate of potatoes, whic
salable potato cherk proty that it paid to
contro! of l.ate

Vitality
From the
large number grown in Onta part of the toha
that season is were handled possible during
season are, in low germination
the result of the the result of the cortant that to
lhe germinative ore sowing the a very serious
scedlings.

The Petrolia On Wednestay
County Pure-b County Pure-b
will hold its at Petrolia. Th
tributed ly the County and inc
and Holstein Clydesdale mar
stallion are also is determined to enterprise
treatment. A number of
two-year-old hei
heifer heifer calves
March $1.5, ~ b y$ reeding, whose 45220 , and Roa an opporturity to
ing females to purchased from B the femalcs men
bull callon and also the her
two-year two-year cht. T
in the village of
March giving sus. INcil, of each animal

Potato Spraying Demonstration.
During the summer of 1917, a number of potato-spraying demonstrations were held at Charlottetown Experimental Station, P. E. . . A number of potato growers attended each demonstration and late in August around 1,300 people visited the Station, and most of them examined the plots which had been
demonstrated upon. Late blight occurred demmany parts of the Province early in the in many parts of coco and the check ports that were seaso sprayed showed pry plainly were quite a bad attack of the disease was quesent. Four and presench. plot. The unsprayed check rows were left at intervals throughout the feeld for purposes of comparison. Long before potato digging time anyone could pick out the ensprayed rows by the disease-infected tops. With a horsepower machine doing four rows at once,
80 eallons of Bordeaux were applied to 80 gallons of Bordeaux were applied to the acre, at a cost of $\$ 1.65$ per application.
The plot yielded at the rate of 194 bushels The plot yielded at the rate of 194 bushels
of marketable potatoes, or 52 bushels more marketable potatoes than the corresponding unsprayed check plot, giving a net gain over the total cost of
spraying of $\$ 32.40$ per acre. A fourrow hand machine with one nozzle spraying down and one nozzle spraying
through from the side applied 40 gallons through from the side applied 40 gallons
of Bordeaux at the post of $\$ 100$ or application per acre. These plots yielded at the rate of 171 bushels of marketable potatoes, which was 52 bushels more
salable potatoes than the correspondine salable potatoes than the corresponding
check plot. The demonstration showed that it paid to apply Bordeau* for the
control of late blight.

## Vitality of Tobacco Seed Low.

From the results obtainen, with a
large number of samples of tobacco seed grown in Ontario in 1917 , we acce orreed o concluce that the vitality of a large hat season is very were handled with the greatest care possible during the growing and curing cason arre in many instances, giving
low germination test. This is probably the result of the very poor growing veason
experienced in 1917; and it is very in xperienced in 1917; and it is very im-
portant that tobacco growers determine the germinative power of their seeds, beiore sowing them, if they wish to avoid a very serious shortage of strong early Supt. Harrow D. D. D. Digacco Station,

Gossip.
The Petrolia Pure-bred Stock Sale. County luredy March 13, the Lambton will hold its second annual public sale at Petrolia. The offering is being con-
tributed li, the beet breeders in and Holstein bulls Sharthorn, Angus Clydesdale mares and one Clydesdale stallion are also included. The Association
it deterni enterprisinued to make a success of the
troatment and buyers can expoct fair

A number of pure-bred Shorthorn cows,
two -year-old his twoyear-old heitiers, yearling heifers, and
heifer calves are offered for sale on March hi., We. Weil and Lyffictd of of Jartis
Ont. The tock is largely of Nonpareil breeding, whosk tlans were of Nired by buch
worthy sirts as Rosicrewuian 45220, and Roan Chief 60865 . This is an opporiurity to get some choice breed-
in fenales to add to the herd, or to serve at foumdation stock. This herd was who has, lisposed of his farm. Besides
the femmulos ment the females incntioned, there are three
buil calves readty for service in and also the herd sire, Emperor Cheale two-year -old. The sale is to be held
in the semper Chiel, at
 Write Guu Mivi, of Jarvis, for satatalogue
giving a duscription of the full breeding of each uscription of the full breeding
Alarmal. Remember the date is

## You Want Rapid, Perfect Seeding

There is one way to make sure of it, and that is, use a

## Cockshutt Disc Drill

With its very strong frame construction-
no sagging or bending of the parts. Both wheels are drivers-you sow
on corners as well as in the field

You may buy the best seed and keep your land in good
shape, but if you don't PLANT your seed properly your crops will be thin, "spotty" and undersized. Cockshutt per-acre you wish. They pulverize the ground, cover the seed and give it every chance for germination. Not a heavy draft machine, despite its tremendous strength. Built in five sizes, with either 6 or 7 -inch spacing.


Colly Cockshutt Grain and Fertilizer Drills are wonderplicated parts. Fertilizer is drimple and without complicated parts. Fertilizer is drilled into the ground with the seed and covered with it, so a splendid, even
crop is assured. The flow of the fertilizer is crop is assured. The flow of the fertilizer is under
perfect control. The whole machine is worked by easy levers, and it doesn't take long to understand it thoroughly from top to bottom.

The Cockshutt Disc Drill should be seen to be appreciated. Write for our free Cockshutt Drill
Drill you way. State whether it is a plain grain Drill or a combination grain and fertilizer
Drill you want information about. Our nearest agent will be glad to show you how it works.
COCKSHUTT PLOW CO. Sold in Eastern Ontario, The FROST \& WOOD CO.
Limited
Prebec and Maritime LIMITED
Montreal, SMITH'S FALLS, St. John

## Second Annual Pure-bred Stock Sale market square, petrolia, on <br> Wednesday, March 13th, 1918 AT 1 P.M. SHARP <br> LAMBTON COUNTY PURE-BRED STOCK ASSOCIATION will sell by public auction <br> 40 Head of Cattle

Consisting of Shorthorn, Angus and Holstein Bulls and Heifers, 2 Clydesdale Mares, 1 Clydesdale Stallion, 1 Standard-Bred Mare.

The offering has been contributed by the best breeders in the County.

TERMS: Cash, or eight months' credit will be allowed on approved joint notes, with interest at 6 per cent. per annum, from date of sale

A limited number of animals not yet registered, but eligible, will be offered.

Apply to the Secretary for catalogue.
W. S. STEADMAN, President, Petrolia, Ont.
W. P. MACDONALD, Secretary, Petrolia, Ont.

four freat-grandsons of Roval Blood; these are an exceptionally fine lot; also a number of temales. In
spoccion invied. Aply to
J. B. CALDER, Glanford Station, R.R.


FOR SALE
Practially as good as new
nyone incerstect will so well to apply
HUTCHINSON \& SON


Cream Wanted
Imported and Canadian Bred Clydesdales

Ship your cream to us.
We pay all express We pay all express
charges. Wesupply cans. We remit daily. We
guarantee highest mar-
guarantee
ket price.
Ontario Creameries, Limited London, Ontario

SHORTHORNS

## Aberdeen-Angus


E. E. Luton, R.R. No. 1. St. Thomas, Ontario

## Gossip.

Glenwood Holateins I. N. Howe, Mossley, Ontario, is offering some choice individuals at the first
annual sale of the annual sale of the London District Holstein Breeders' Club, to be held in L.ondon on March 14. Two of the young cows are show animals and are due to freshen
to Baron Colantha Fayne, the 33.18 lb . sire that has two Canadian champion sire that One of them, Colant ha Butter Girl, made a record of 2,007 pounds of
milk in 30 days, as a junior two-vear-old milk in 30 days, as a junior two-year-old,
and as a three-year-old made a high record ar fat production. The young bull
foffered is well grown and was in the show-ring last fall. He is sired by a full brother of the herd sire, Baron
Colantha Fayne. Mr. Howe is offering a number of spring calves from his herd sire, If wishing to secure some young
stuff that is bred right, communicate with st uff that is bred right, communicate with
Mr. Howe, R. R. No. 2, Mossley.

Glenboyle Jerseys.
Jersey breeders will have an oppor-
tunity of securing choice individuals at their own price, at D. A. Boyle's sale to
be held in Woodstock, on March 11. It is not customary for champion cows and heifers to be offered at public auction. However, that is
what is happening on March 11. Beauty Naid, a champion cow with a four-year-
old record of $14,852 \mathrm{lbs}$. milk and 872 1bs. fat, is in the sale. She is the second highest butter-fat cow of the breed. This
cow's dam and Flora of Glenboyle, with cow's dam and Flora of Glenboyle, with
a three-year-old record of 11,954 ibs. of
milk, will also be nffered at milk, will also be offered at your own
price. Springbank. Butter Girl is another price. Springbank Butter Girl is another
worthy individual in this herd. She has three-year-old and a butter-fat record of 608 lbs. Her daughter, by Imperial
Beau, a son of Beauty Maid he chamBeau, a son of Beauty Maid the cham-
pion cow, is also in the offeeing. The
herd sire. Imperial Majesty, individual and has sired record stock. A number of his progeny are in the sale.
The cows and heifers are bred to Imperial Majesty or to Imperial Beau. If requiring a few head of Jerseys to strengthen your herd, or if in need of a herd sire,
you cannot very well afford to miss this sale. Even if you do not wish to pur-
chase, it will be time well spent to be at the ring-side and watch this champion
stcek disposed of. See the advertisement and write the proprietor, D. A. Boyle, Woodstock, for fuller particulars
regarding the stock he is selling.

Trees For Reforesting Waste Land.
For a number of years the Forestry Forests and Mines, of the Province of Ontario, has been distributing trees to
farmers for reforesting waste land or land which is undesirable to be tilled for annual crops. Throughout the Province there
is a goond deal of land which is not suitable for culd give fair returns if in forest which complete removal of the trees has really left a good deal of waste land in the
Province. The shortage of fuel is making the need of forest conservation felt. The be made on such waste portions of the
farm as sandy, rocky and gravelly spots, swamp land, portions of farms cut of
by streams or otherwise. Such land could be profitably devoted to wood production if the proper species are planted.
There are instances, however, where it max be found advisable to re-plant good
agriculural soil. Owing to the difficulties caused by the war, the Department
are unable to offer the same list of trees as in previous years, but they are trying
to furnish as many as possible. The Fiergreens have been cancelled, and White I'ine cannot be distributed owing
to an embargo, due to the White Pine Blister Rust-a disease which is prevalent
in Southern Ontario. It is possible that owme sotch pine may be available, but at present delivery is uncertain. The fol-
howing are the hard woods for distribution this sping: Suyar maple, soft maple,
white a-lh, black locust and black walnut. Theee thes are not sent our for roadside
or ornamental planting, but are intended to make forest plantations. Applications
should he sent to the Forestry Branch,

## Clydeso

 ext hange for older
at home stible, an
 $\underset{\substack{\text { FOR } \\ \text { Duke of Carruchan }}}{ }$ mares 2 years and
ARTHUR GORD PAR OF PUR
Mares, rising Pifer $\begin{array}{r}\text { ROBERT RIDDE } \begin{array}{c}\text { Pri } \\ \text { SUN }\end{array} \\ \hline \text { SU }\end{array}$ ABERD

Bulls of
fem
WM. 8. O. and 'Phone Alloway L Angus - Sou Rems and ewes. He
lst prize. Robt. McEwen Kennelworth A grand hot of
neibhbor
of Good
olencai SETER $A$. THOM ABERD

## 侕

THE FARMER'S ADVOCATE.


Clydesdale Stallion







## FOR SALE

PARR OF PURE- RRED PERCHERONS.
Mares, rising fuve vears, weigh over 35 -hundred llbs.
 SUNNY ACRES
ABERDEEN-ANGUS Bulls of serviceable age and
females not akin. WM. CHANNON \& SON O. and Prone - = Ontwoon, ont.

## Alloway Lodge Stock Farm

Angus - Southdowns - Collies Show flocks
Rema and ewees Heifers in ocat to Ouven's Edward, Robt. McEwen, R. R. 4, London, Ont. Kennelworth Farm Aberdeen-Angus A trand bor of calves for eale: aeges in the
noirithor hood of 7 month.
Victor
 ABERDEEN-ANCUS
 Blatchford＇s Calf Mea and Sell the Milk More calves have been raised on
Blatchford＇s Calf Meal than on all Blatchford＇s Calf Meal than on all
other milk substitutes combined． 100 lbs．makes 100 gallons of milk substi－
 Prevento souring end insures the early
maturity of sleek，hand some calves． WI I le ste am－cooked and no trouble to pro－
parror
Write for Pamphlet＂How to Raise Calves frite with Little or No Milla．p Cl At dealers，or Steele，Briges Seed Co．， 64 Toronto，Ont


Fleming＇o Lump Jaw Cure







Dual－Purpose Shorthorns Herd Headed by 10622 whose grandam on his mother＇s side has on R．O．P．record of $13,535 \mathrm{lbs}$ milk
testing 3．99，and whose dam has an R．O．P
 Cows heifers and young buffs for sale，some of the
latter are out of cous in the her which wave given
between 10,000 and 11,000 lbs of milk each in one

WELDWOOD FARM
Mardella Shorthorns

 great massive Duke－dam gave 13,599
lbs．milk， 474 lbs ．butter－fat－at the head． Thomas Graham，Port Perry，R．3，Ont
Registered Shorthorn Bulls

 R．R．No．w．．s．．bract
R．R．No．4，Box 11，Bowmanville，Ont Evergreen Hill R．O．P．Shorthorns Ofering so so of St．Clare 84598 R．O．P．No． 5 ，who
sired the 1917 champion fat steer at Torono Ex．
hibition．Also offering Berkstires 2 months old． Shorthorns Genoyle Dual－Purpose Shorthorn
 Spruce Lodge Shorthorns and Leicesters


 Plaster Hill Herd Dual－Purpose Shorthorns tra Martindate \＆Son，R．R．3．Caledonia，（ont

Questions and Answers． Veterinary
Luxation of the Patella
Mare was driven 24 miles one day： Next morning she could not fetch one
hind limb forward，but when forced to hind limb forward，but when forced to
go forward dragged it．This condition
continued for about half an hour，then suddenly she became all right．On dif．
ferent mornings afterwards，after she had Ierent mornings afterwards，after she ha
done a day＂s work the preceding day
she showed similar symp Ans．－This was luxation or dislocation of the patella or stifle bone．The con－
dition is commonly called＂stifed，＂ aition is commonly called＂stifled．＂If
you can provide her with a comfortable，
well－bedded box stall it it you can provide her with a comfortable，
well－bedded box stall it is probable that
the trouble the trouble will not recur．Under any
conditions it will be wise to blister the joint．Get a blister made of 1 dram each
of biniodide of mercury and cantharides mixed with 1 oz．vaseline．Clip the hair of the front and the inside of the joint．
Tii so that she cannot bite the parts．Rub again，and in 24 hours longer apply sweet agan，and in heurs longer apply sweet
oil．Let her head loose now，and if you
can turn her into a box stall Oil every can turn her into a box stall．Oil every
day until the scale comes off，then tie
up and blister again you can give her rest during treatment． Fatality in Cow Cow became sick on Monday，I gave
her 1 lb ．Epsom salts，and gave anothe lb．on Tuesday：On Thursday a farmer advised $11 / 2 \mathrm{lbs}$ ．Epsom salts， 1 oz ．aloe
2 oz．turpentine and 2 drame 2 oz．turpentine and 2 drams nux vomica
When one－half of this drench had been given she looked and acted queer and was
dead in less than three minutes． dead in less than three minutes．A post
mortem revealed the contents of th mortem revealed the contents of the
manyplies very＇dry and the lungs di
colored． 2．Can a farmer charge for treating
neighbor＇s coll？ neighbor＇s cow？N．J．M．
Ans．－1．A portion of the fluid passer down the trachea（wind pipe）to the
lungs and caused suffocatione）She was
not swallowing promptly，and too mue not swat was poured into the mouth．
fluid
a muc
and are of the opinion that he would not we
able to collet．At the same time if man has sufficient confidence in the skill
and knowledge of his neighbor to trusi should be man enough to pay him a reason－ able price for his time and expense．V．

Miscellaneous．
Dangerous Church Shed．
ledge the trustees the shed church have know－ accident happens the roof falls，or stick of timber and does damage．Wh
would be responsible for the damage？ Ontario．E．McK． Ans．－It is probable that the trustees
as such would be liable．But there might contributory negligence on the part of the them from being legally responsible．

Where can Angora goats be purchased
About how much are they worth？I
Nova Scotia＇s climate suitable for them
Will they；browse off undergrowth in the
Ans，－By writing the Live Stock
Brancl，at Ottawa，you would undoubted－
of Angora goats．We understand that
there is a Canadian Coat Breeders＇As
ing this Association an idea would her


Pinehurst R．O．P．Dual－Purpose Shorthorns
 G．W．GARTER PINEHURST FARM，ILDERTON，ONT．

SPRING VALLEY SHORTHORNS
 Imported SCOTCH SHORTHORNS Our present offering includes 100 inported females and 12 young imported bulls，representing the most
desirable enines of breding if interested
mile from farm．J．

## OAKLAND 60 SHORTHORNS

 FAIRVIEW SHORTHORNS AND CLYDESDALES In Shorthorns we can offer you a choivet from 60 head，including both bulls and females，of Lavender，
Missiet Aurusta，Duchesso of Gloster，Viliage Girl，Miss Ramsden and Clara breeding－the best of cattele
and the best of peciereres．In Clydesdale
 PURE SCOTCH SHORTHORN BULLS Our present offering of young bulls，sired by our herd sire Broadhooks Star，a son of the great Newton
Ringleader．IIp．，are the best lot of bulls we ever had on the farm．Come and see them，or write for
We？ GORDON SMITH，Woodslee Sta．，M．C．R．，Eseex County，SOUTH WOODSLEB，ONT． ESCANA FARM SHORTHORNS
 FIFTY IMPORTED SHORTHORNS
 IRVINEDALE STOCK FARM

 GLENGOW SHORTHORNS we have a choice offering in young bulls，fit for service．They are all of pure Scotch breeding
and are thick，metlow fellows，bred in the purple． SHORTHORN BULLS will．A．Dryden Brooklin，Ontario Counts

A．G．Farrow，Oakville－SHORTHORNS


March 7, 1918
STALLS STANCHONS


Red Clover

Alsike Clover 22.00

reshel | Bushe |
| :---: |
| $\$ 17.00$ |
| 16.00 |
| 14.50 |

Timothy
14.50
$x$ Bushel

Bags
45 ceach

JOHN A. BRUCE \& CO. Ltd.


THE FARMER'S ADVOCATE.
Questions and Answers. Miscellaneous.
$\quad$ Polishing Horns.
Can you give a recipe for polishing
horns?
horns?
2. Is there a law preventing a man 2. Is there a law preventing a man
from using yack for breding purpose
and charging a fee? Ans.- - 1 .
recognized recipe. not know of any
the methods the methods they employ. Sand papering
the horns and then rulbing well will bring a farrny god pon ish. Using a little oi
and plenty of rubbing with a soft cloth and plenty of rubbing with a soft cloth
will give very god results.
2. Wee cannot find anything in the Stallion Enrolment Act or in any other
Act that would prevent the use of a Act that would prevent the
jack for breeding purposes.

1. Hest the priceof froen, Corn.
grains beend coarse
gixed by the Food Controller grains been hixed by the Food Controller
and if so what price are retailers allowed
and to charge for the above articles? When
the increased hog-production campaign was under way we were given to underer
stand that the price of shorts was to be fixed, but it seems as if the quantity is
regulated untilitis is almost unobtainable at country points.
2. Is sed sed corn to be stopped from
c. Coming into Canada from the
Where can good seed be obtained?
Ans. -1 See answer to
"Bran and shorts" in this issue.
2d An embargo has been placed on
seed corn, but we understand that certain seed corn, but we understand that certain
varieties are being estred by the tho
minion Seed Commiscioner and will be minion Seed ommissioner and wim be
made availale through the seesmen.
Apparently the only available supply of Apparently the only available supply of
seed corn is in the Southern States. The
corn growers of the Northern States had corn growers of the Northern states had
their corn corp affecterl last fall similar
to the Ontario seed sorn growers. to the Ontario seed corn growers
Receipts-Agreement

## 1. I am securing a sample of peas and potatoes, and rould like to put them in the kind of soil where they, will sive the

the kind of soil where they will give the
best results. I have a piece of clay loam soil which was plowed out of clover and
sown to oats a year ago. Would this be satistactory for
plowed last fall.
plowed last fall.
2. I secured building material from a
local local planing mill and made paynment in
instalments during the autumn months. I received receipts for the same but lost
two of them. Oo lanuary $^{2}$ I mado the two paynent by biving noteto to bank.
lat
Would it be advisable for me to secure a receipt that would be good for the entire,
account? Would "Paid up to date" account wame?
cover the say is which a farmer's
3. son can leave his wages in the farm?
have been working for two years at home without an understanding concerning
wagest Wages. What is a suitable color for a farm
4.
house kitchen. 1 wish to paint both walls house kitchen. I wish to paint both walls
and ceiling. Would a molding about 10 and ceiling. Would a molding about 10
incheses deep look all right?
5 When and how are chickens caponized?
6. Can a call be castrated as soon as the weather gets warm, or should it be
done before May 1? Ans. -1 . If the soil is in good heart,
the crops mentioned might do very well on the piece of land suggested. However,
peas do best as a rule on sod and potatoes peas do best as a rule on sod and potatoes
also give satisfactory results if planted also give satisictory resun es.
in a good cloversod
and
Under the circumstances, it would be advisable to have your, , ecceipt read Balance in furement might be made
3. An agreene whereby wages should be paid at a cer-
tain date, or an agreement to the effect that in lieu of labor being performed for be given in the farm or stock.
4. Surt colors an pale green, salmon
pink, or grev arre
 around four or five mantht old. Special
instruments are renuired for performing instruments are reyured for performing
the operation The olids soon recoler
and, as rule, they taten up better than it not atered.
not become commun except in commercial
focks.
somee chaspate calve when the
signs are right, but outhers ather their


## COMPLETE DISPERSION SALE OF 40 Pure-Bred quabity HOLSTEINS

Norwich, Ont.,Friday, March 15, 1918 There are included A; a 26.31 lb . bull; one 11 -months' daughter of King Segis Alcartra Calamity, from a 23.93 -lb. two-year-old: two daughters of Hulet's Sir Prince Colanthus
Abbekerk: 5 calves by Prince Echo Sylvia, a $33.55-\mathrm{lb}$. bull, and from the Abbekerk: 5 calves by Prince Echo Sylvia, a $33.55-\mathrm{lb}$. bull, and from the
R.O.M. cows. In the offering also are Aaggie M. Posch, 20.04 lbs . butter,
506 lbs, milk at two yors, 506 lbs . milk, at two years, also two of her daughters, her bull calf, her dam and sister; a 23.93 lb . 2 -year-old with 542 lbs. milk in 7 days, 81 lbs. in one
day; 1,019 lbs. mill day; 1,019 lbs. milk and 44.72 lbs. butter in 14 days, also two of her daughters; a 23.16 lb . junior four-year-old and two of her daughters; the 82 lbs . milk in 1 day; her bull calf and granddaughter; also four of her sisters; a 16.22 lb .2 -year-old and her two sisters, from the same cow; one with 13.40 lbs. butter in 7 days at 22 months old. The four nearest dams of the young herd sire, Lady Pauline's Sir Sylvia, average over 31 lbs. butter in 7 days.
This sireas well as the females combine show qualities with hevy The entire offering will be sold without reserve.

Conveyances will meet trains on day of sale. Lxnch at noon for thase from a distance.
Catalogues on application to;
H. G. HANMER, Proprietor -or- T. M. GALEY, Secretary

Moore and Longworth, Auctioneer

## WAR FEED

For Cattle and Hogs
Cheap, satisfactory feed for open feeding. Wire for prices.
Car Lots only. Ouick Shipments
F.W. BRODE \& CO., MEMPHIS, TENNESSEE
established 1875 - Ingorporated $1915 . \quad$ Branch Office, dallas, texas
We will pay you full Prices for your Empty Bags

| 5\% INSTEAD OF 3\% <br> $3 \%$ if you invest it in the debentures of the Standard Reliance Mtg. Corp'n. Our booklet, entitled "Profits from Savings," tells you an about it <br> STANDARD RELIANCE MTG. CORP'N. <br> 82-88 King St. E., Toronto, Ont. |  <br> of all descrict <br> beef |
| :---: | :---: |

Hospital for Insane, Hamilton, Ont.

ONLY THREE BULLS LEFT


LLENROC STOCK FARM
On the Boulevard of the Beautiful Niagara River
 Pietertje, 37-lb. Write for prices and pedigrees. Address
W. C. HOUCK, R. R. No. 1,

Ontario.

## SUMMER HILLHOLSTEINS

30.76 junior four-year-old; sire's dam 34.60. The three nearest dims average over D. C. FLATT \& SON

HAMILTON, ONT.
WALNUT GROVE STOGK FARM
Holateln-Friestan Cattie, Tamworth SWine. We are offiering a choice lot of 5 monthes sowe and
boars and also have several nice young litters. Must clear a number quick to make rom. We

Record Breeding and Great Individuality

SILVER STREAM HOLSTEINS
 DUMFRIES FARM HOLSTEINS of the

$$
\text { Thursday, March 14, } 1918
$$

When some of the best males and females of the most popular strains will be
pffered for sile. Sons and daughters of such sires as Finderne King May offered for sale. sons sand daughters of such siors as Foplar strane Kins will be May
Fayne, whose dam made nearly $3+$ libs. of lutter in one week at 4 yrs. and 4



These will all be young cows and heifers - no three-teaters or slack
quarters- just the kind that will make cou monny, the majority of them quarters or just the rine that
milking or due to freshen soon
MANOR FARM HOLSTEINS

Dain Manar pinviver
Born Man morer whem

Both Sired by K ing Sepis Pontiac Posch
 gordon s. gooderham, clarkson, ontario


Questions and Answers. Miscellaneous.

Germination of Turnip Seed.䢒

At the London Consignment Sale on March ${ }_{14}$
 B. R. BARR. R. I, Mossley, Ontario

Grandsons of Rag Apple Korndyke 8th



CHOICE BULLS-READY FOR SERVICE

I.YNDALE FARM - Offer No. 2

MAPLE SOIL STOCK FARM OF HOLSTEINS
 R. R. No. 1 GLANWORTH. ONTARIO
29.68 lbs. butter, 563.7 libs. milk

Burkeyje Hengerveld May Echo (12658)
Her dam "Burkeyje Hengerveld", is Canada's first $20,000 \mathrm{lb}$. 4 -year-old.
Her sire is a son of "May Echo" and a $3 / 4$ brother of the great "May Echo
Sylvia" (world's champion). You can buy her son, sirel by "Hillcre-t Ormsby Count "', a son of
"RAUIVERD COUNT DEKOL LADY PAULINE," 29000 lbs milk 1113 lbs. in 1 year, 112 lbs. milk in 1 day. Dam of K. P. Rauwerd, 3,413 lbs. Where Con You Equal This for Production and Re-Production? He is largely white in color-a beauty. Write us for Price, etc. JOS. O'REILLY, R. R. No. 9, PETERBORO, ONTARIO

HOLSTEIN BULLS



Quest
Oual 1. Would th
monthsold be fit
2. Would oo using it or offeri Ontario a little stronger
$\qquad$ A sells his bu
ho takes all lo whotakes all to
lumber. B the wood. A gives A. Can tash ialter il
if he can trespas the date both the date
timber?
Ontario. Ans.-1. Nu
2. A. In answ the assumption
fined strictl) to trees and down
limited. What an I
rippled at the w They do not se
Tppetite. I an
dhop wit hair on large,
part of her loo was ringworm
altogether like Ans.1. A p
is forcing regula lood, and providi
The troulle oft, ing or sleeping or Epsom salts.
food and give oor and give 1 pigs to take exer
2. The hair an animal is t
Hair will usually the scales with and then applyir
daily until cure daily until cure ith a skin di Treatment cons solution of onc
septics. Keep
and warm and warm
each dressing. What Stabl a stable that is wide. About 3 or 8 head of hors
2. How can to the water ba
be kept from Ans.-1. The
entilating the hem opening in
he direct draft direct draft o
not provide for

upola in the
raft on the ca
bout a foot an hout a foot and
hen something

THE FARMER'S ADVOCATE. monthsold be fit for human consumption? 2. Would one be liable to a fine fo
sing it or offering it for sale? 3. Is its use prohibited by law in Ontario? Yes, although it Wight. Ans.-1. Yes, athough it might
3. No. Sale of Bush.

A sells his bush to B, a sawmill owner, Who takes all logs that are fit to cut into
lumber. B then sells the bush to $C$ for cood. A gives contract to $\mathbb{B}$ for three 1. Can C' take any more wood from A he can trespass how long after the date? 2. Who will the bush belong to after the date both the standing and the lying imber?
Ontario.
Ans.-1. No.
2. A. In answering thus we do so upon ne assumption that As sate was con trees and down timber during the period

Crippled Pigs
What can I do for pigs that are badly
crippledat the wright of atout 125 pounds? They do not seme to have much of an hep with a small quanity of roots.
2. I have a heifer that is losing her hair on large patches over the greater
part of her body: At first 1 thought it was ringworm but it does not appear
altogether like it. Ans.1. A preventive for crippling
is forcing regular exercise, giving laxative Yood, and providing good sleeping quarters.
The troulde often arises from high feeding or sleeping in cold, damp quarters. or Epsom salts. Feed lightly on laxative ood and give 1 to 3 grains of nux vomica three times daily. Endeavor to get the 2. The hair very often comes off when Hair will usually fall out in circular spots and a greyish scale will form. Moistening and then applying tincture of iodine twice daily until cured is the remedy recomwith a skin disease known as eczema In this case pimples may be formed. reatment consists in giving the animal purgative and then dressing the parts solution of one of the coal tar antiseptics. Keep the animal comfortable
and warm until thoroughly dry after each dressing.
Stable Ventilation.
What is a good method of ventilating stable that is 90 feet long by 35 feet
wide. About 30 head of cattle and 7 2. How canses are kept.
to the water basins in front of the cattle be kept from freezing in cold weather?
ventilating the stable. Some do it largely by the windows and for this purpose have a direct draft on the stock, but this does
not provide for any outlet for foul air. have in-take flues along the wall and tre of the stable, or from the end to a draft on the cattle, air can be brought in hen something attached the floor and deflect the air upward. A slide unde resulate the amount of in this in-take tikn hould be of sufficient dimensions *. In outlet 24 inches square is a innem size for a medium sized barn,
20
to 24 square inches outlet in allowed for each cow stabled.
$\qquad$
$\qquad$
Production is Patriotism, honest and good

| Holsteins the cows to make the most food |
| :--- |
| Bellevill's the place to come on the hop |
| For Belleville producers "Go over the lop." |

BELLEVILLE CLUB HOLSTEIN SALE, APRIL 3, 1918
F. R. mallory, Secretary. Frankipord, ont.

## Sovereign Stock Farm

ford, Ont., March 13th, agrandson of Baroness Madoline, 34.48 lbs , butter in 7 days, $1,043.75$ in 30 days. Ilis five nearest dams' records average 30.95 Its. Every dam on four generation perligree tested officially Three direct dams tested in R.O.P. average 19,049.3 lls, milk. Also two richly bred

WM. STOCK \& SONS, TAVISTOCK, ONTARIO

## 35 PURE-BRED HOLSTEINS 35

The entire herd of Noah S. Bender, selling in a great Unreserved Sale at the Farm, Near Tavistock, Ontario TUESDAY, MARCH 19th, 1918

This is not a weeding-out sale: The entite herd sells wnt hout reserve of of the thirty -five head,
thirty-two are females; There will be twelve fresh covs, There is not one defective udder; There
 a good clean herd of high-class, choicely bred hoisteins.
TERMS: Cash, or 6 months' credit on bankable paper, a 7 per cent. per annum
Noah S. Bender, All trains met at Tavistock on day of sale. Tavistock, Ont.
Roycroft Farm Holstein-Friesians

 W. L. SHAW - ROYCROFT FARM - NEWMARKET, ONTARIO Take Yonge Street Radial Cars from N. Toronto

> Compare the
> SANITARY KING with all other Cream Separators

> Then you will understand why
so many farmers are using the "Sanitary King" Built of the very best material,
which insures long life. Stands solid, which insures long lire. Stands solas,
turns easy, close skimmer, splash
oiling system, solid or detachable spindle. Capacities for from one cow to a large herd-operated by hand gasoline or electricity. Sold on easy
terms if desired. Write for local agent's address. Try it before you
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> King Separator Works of Canada Bridgeburg, Ontario

THE VETERINARIAN A valuable book which tells you all about
崖e treatment of diseases of your live sotok
given FREE with a trial ton order of LINSEED OIL CAKE
"Maple Lear" Brand Write today for owest orices.
The Cannda
Toronto and Montreai

FOR SALE

## Two Dual-Purpose

 HOLSTEIN BULLS


 D. Z. GIBSON, Caledonia, Ont. For Millk, Butter, Cheese, Veal, Illostain Cows Stand Supreme Ut you try Just one animal you will very soon WRITE The
HOLSTEIN-FRIESIAN ASSOCIATION W. A. Clemone, Sec'y, - St. Georneo, Ont. Garden of Oxford, Holstein-Frieslans
Cholce Bullas I have six extra good, strong and Chalce Bullay I have six extra, good, strong and
vigorous young bulls of serviceable age, ethree

 KING SEGES PONTIAC DUPLICATB




## Look!DispersionsaeStudy!

 60 Pure-Bred Holstein FriesiansThe Property of J. M. Van Paller \&o Son, Woodland Farm Aylmer, Ontario
Tuesday, March I2, 1918

The afggie colantha de kol The daughters and granddaughters of such noted bulls
as Dutchland Colantha Sir Ablekerk, (7140). Woodland Sarcastic Lad (4890, Sarcastic. Merectes I.ad (8411),
and Maple Creat De Kol (hampion will be in the offering. The latter is the present senior sire. He is the only son of the only cow in the world to have two dawher
year's butter records over 1,320 hbs. Some of the young things are sired loy Count MiInnight Mercena, whose thirty Favne, whose dam and ires' dam average 31.56 Ahs. in Among the offering are granddaughters and great grandatughters of Netherland Aaggie De Kol, ex-champion R.O.P. cow; record $21,666 \mathrm{lbs}$. milk, butter 881 ll s.
Four generations in this family have R.O P records that average $16,805 \mathrm{lts}$. milk and 671.7 lbs . butter. Also many descendants of Aaggie Mercedes, 29.191 lss , butter in 7 days, $1,100 \mathrm{lbs}$ in 11 days. This herd is in healthy condition and entirely free from contagious diseases. Ail stock advertispd sold with ut reserve. Sule at 1 p.m. Transportation from Browal House, A y'm.r, to furm. on duy of sale.
Ay'mer is on M.C R. and G.T.R. Iines. Sale held under cover. Laidlaw Bros.' sale the following day. Write for catalogue to
J. M. VAN PATTER \& SONS, R.R. No. 1, DUNBOYNE, ONT. Auctioneer: T. Merritt Moore.

Holstein Breeder's Sale
34 selections from the noted Ourvilla Herd, selling at OURVILLA FARM, AYLMER, ONT. WEDNESDAY, MARCH 13th, 1918 30 Milking Cows and 4 Young Bulls, All Bred at Ourvilla Farm. All but six animals in the sale are either daughters or granddaughters of that noter sire Dutchland Colantha Sir Abbekerik, with 31 . of M . daughters nearly all with first and second calves. Nearly all of these will be bred to Finderne King May Fayne (whose dam and three of his sisters at $31 / 2$ years of age averaged 36.02 ibs. butter in seven days, three of these hold world's records) or to Maplecrest De Ko Champion, whose dam is the only cow in
the world having two daughters with over $1,300 \mathrm{lbs}$. butter each in one year, viz., Banostine Belle De Kor, 1,322 lbs., (world's record when made) and Maplecrest Appli ation, 1,344 lb

Rigs will leave the Brown House, Aylmer, on day of sale, and breeders attending the Van Patter sale on March 12 are invited to remain over Write for catalogue and further particulars LAIDLAW BROTHERS,

AYLMER, ONTARIO

## 'matait HOLSTEINS

WILL be held at owen sound
WEDNESDAY, MARCH 20, 1918
consisting of 19 Pure-bred Holstein Cows, bred and in calf to Orm-by Korndyke
Pontiac; alto callve from "Correct Change, 'one of the beet bull in Cannada;alon




THOS. McNEA, Proprietor, R. R. No. 6, Owen Sound, Ont.


Omega Millks Fast and Clean No Tainted Milk No Rubber Connections. The Omeda milking machine draws the milk from the teats by a gentle alternating motion similar to hand action and conducts it to the pail through
short, stiff, transparent celluloid tubes. The pail and the teat-cups are suspended
from the back of the animal. The pail cannot be knocked over and the milk from the back of the animal. The pail cannot be knocked over and the milk
spilled, and the teat-cups cannot fall to the stable foor and suck up straw, or spinedr, and the teat-cup
manure. The Omega is

Sanitary, Efficient and Easily Cleaned

There are no corners and no rubber tulves to harbor fermenting particles of milk in the Omega. The Omega has few pirts, and is as easily and quickly

cleaned as a milking pail. At official government tests the Omega was the only mach hine that milked faster and cleaner thin by hand. The Omega in a 17 -day
test 0 I 10 cows, comparel with the 17 orevious hiw, increvel the total amount test on 10 cows, compared with the 17 previous dyw, increased the total amount
of milk given 10.3 . The test was conducted by Prof. Leitch, of O.A.C., Guelph. Users Prize the Omega


Questions and Answers. Miscellaneous.

Education for the Stage. Whes a perann have to h.we on eltur N:

 be "'
part
theal
could

## OXFORD BREEDERS CLUB will hold a <br> Consignment Sale of <br> 70 HEAD REGISTERED Holstein-Friesian Cattle

at Dr. Rudd's Sale Stable
WOODSTOCK, MARCH 20, 1918
cer held in Canada. More 30-lh, blood-good indi liduals; heifers, springers, cows in milk. Extra good to 33 lbs butter and 4 nearest dams aberage 30 lbs
W. E. THOMPSON, WOODSTOCK, ONTARIO Moore \& Dean,
uctioneers
M. L. Haley, A. E. Hulet, Managers.


CLOVER BAR HOLSTEINS

## Bean Harvester.

 bean harvester pull or cut the Where ran une the setured? bean harvester is a two. heeled implement prosecesing two flat knivew which are placed in the shape of a V. Two rows are cut at a time and placed inte one windrow. Some growers use a -ide-delisery rake and bring three or fourrows into one. If the local inplement dealer thes mot handle bean harvesters, ing in these columns.

Weight of Mixed Grain
Wh..1t weight of mixed grain, equal le in a bushel? An.-There is no standard weight for
mived srain, consequently it is usually mived srain, consequently it is usually
whl min whe che A bushel measure of
mived grain would vary in weight ac-
cording to the amount of wheat and larley in the mixture. If equal parts wheat, oats and barley were in the mix-
ture, the weight of a measure bushel chould be about one-third of the comlined standard weight of wheat, oats
and burtey Intestacy 1. If a wealthy bachelor dics without the sole inheritor? 2. Would the families of deceased with the surviving sister? 2. The nephews and nieces would also Cape siares, but per stirpes not per
Crot the children of a deceased Capita that is, the children of a deceased
brother or sister would take the share
their purent would have taken had he or
she

March 7, 1918

## Cows Unthrifty

I have a number of cows which are
ailing. My neighbors tell me they have a complaint known as "Hollow tail:" at any rate they are not doing well. What
is your advice? Ans.-The term "hollow tail" is no give detailed symptoms, we are unable to prescribe a remedy. Cows become unthrity through lack of a properly with vermin, etc. Clover hay, silage or roots and a little erain should keep the ordinary animals in fairly good condition,
provided they are not affected toy disease provided they are not affected by disease thrify if infested with lice. You will be
able to distinguish this trouble by seeing able to distinguish this trouble by seeing
the cattle frequently rubbing themselves and from the hair coming out. A popular remedy is four parte cement and one part hellebore, mixed thoroughly and
dusted on the backs and sides of the and dusted on the backs and sides of the ani-
mals. Keep the animals dry for some time after the cement is put on.

Bitter Milk.
We keep only one cow for our own use. It is very difficult to get the butter
from her cream, although she freshened from her cream, although she freshened
last fall, and if her milk or cream is last fall, and if her milk or cream is
allowed to stand for a day or more it becomes bitter, gets more bitter with age hay, corn staks, mangolds and thop Can you give me the reason for the bitter (G. H. H.

Anvariably due to the growth in milk is milk of Macteria or yeast. The source of daily infection of the milk or cream
would lie probably in some of the dairy utensil, allhough the germe might come from the cow's teats. Sterilizing utensils
by twiling weuld possibly relieve the arouble. The feed has very little to do factory one: The difficulty in churning properts ripeneel or to having it the right

Size of Silo-Plums Drop Pre-

1. I howe -weral plum trees which
 ordinary, pple-tree spray, and there i
 expert i.) arry a heavy stock. Would
16 feet in diameter and 35 feet high be tow large, 'o. build : Would good cedar
painted ine so durable as pruce? Would as whworte to paint the inside as wel grod winter feed for hogs?
2. Is the Ontario Government send ing out strawherry plants to applicants
this spring? B. is Ans- 1. Plums dropping prematurely insect. The phum curculio for instance a heavy prestature drop. If the trees and mo discu-e is pres ent , the heavy drop
may
be due to a constitutional disorder mav be due to a constitutional disorder
of the tree which might be remedind by he tring the land and cultivating around hold A splow of the dimensions given would
This is silo buill, hat if iarger than the average to enalife you to take about two inches
per day off the surface after the silo is
opened, argument against building a silo of that
size. Thu silace would not freeze huch as in a smaller silo. Cedar is a used for the silo, although there seems to and peove it. Painting the silo inside wood. Silne is not generally fed to
hogs, aluthuich if there was a considerable
ampount Wh. hine seen no notice to the effect
at the I I Whrry plants would be sent out

## GREAT DISPERSAL SALE OF TWENTY-SEVEN HEAD GLENBOYLE JERSEYS


at Dr. Rudd's Sale Stables, Woodstock
Monday, March 11, 1918
Sale WIII Commence at 2 o'clock




TERMS: CASH. FOR FULLER PARTICULARS WRITE THE PROPRIETOR
D. A. BOYLE, WOODSTOCK, ONT

Sales Manager, Tom Dempeey, Westerville, Ohio Auctioneers: $\left\{\begin{array}{c}\text { Col. D. L. Perry, Columbus, Ohio }\end{array}\right.$
Col. D. L. Perry, Columbus, Ohio.
William Pullin, Woodstock, Ontario
GREAT DISPERSAL SALE BY AUCTION OF
If will sell at my farm, 1 mile west of Dorchester on Hamilton Road,
my entire herd of Jerseys on

## THE DON JERSEY HERD—


 $\xrightarrow[\text { LONDON. ONTARIO }]{\text { JERSEYS }}$
BRAMPTON JERSEYS

RECORD OF PERFORMANCE JERSEYS Choice Bulls and Femmales. We have six young bulls of serviceable age, all from R.O.P. dams.
Three are by our senior sire, Brampon Dairy Farmer, and three are by our Junior sire, Brampto Bright Togo. Write for records. We also have females.
R. \& A. H. BAIRD
(G.T.R. Stations-New Hamburg. Bright.) NEW HAMBURG, ONT
THE EDGELEY CHAMPION HERD OF JERSEYS

 Herd Sires: Netherton Kin§ Theodore Imp., and Hu myReshaugh


HILLHOUSE AYRSHIRES-F. H. Harris, Mt. Elgin, Ont.

Gladden Hill Ayrshires Winners wherever shown-Herd headed by Fairview Milkmaid; sir
 yeredrs. WVil sell one on price reas. Snable.
b. P.R., Shipping Stations AGINCOURT ONTARI
LAURIE BROS SUNNYSIDE AYRSHIRES
W. have at present the stronkest lot of yo
W. have at present the stronkest lot of young bulls
w. ever offrd on ty Hobland Materpice. one
b, Sunnyside Matchles, and the others by our
bo Sunnyside Matchless and the others by our
Teaent herd sir sir Snnsside Masternitece
Howick Station, Que.
D. M. WATT


F E E D S




 CRAMPSEY AND KELLY SHIPPERS! Consign HAY SHIPPERS! Consign
your carloads to The E L RICHMONDCO mo. on witu fime Jerseys and Berkshires

 EVERY Should have FARM are profitable cattle. CANADIANAYRSHIREBREEDERS STEASS Boz 513 Huntingdon, Que. A choice LAKESIDE AYRSHIRES Kecord of Performance dams imported and Cana SIRES: Auchenbrain Sea Foam (Imp) 35758 many times. Mrand champion. (Imp.) 51137 a son of
Fairfield Mans Triumpl
the noted Hobsland Perfect Piec.
 Fernbrook Aysshires
 COLLIER BROS., Beachville, Ontario (OXFORD COUNTY)

 AS. B. ROSS, MEADOWVALE. ONTARIO
or high-producing. show-yard AYRSHRE.

-year bull at Toronto, 1017. Write me also fo
thing in Yorkshires.
Meadowyale $p$.

Questions and Answers.
Miscellaneous.
Western Wheat
Would Western spring wheat purchased by millers be suitable to sow in this lo cality? Ans.-If it is a good sample of whea and well cleaned it should do well in your locality, provided it is a variety
that is suited to our climatic conditions, The Marquis, wheat is a variety which highly recommended as a spring wheat
for milling purposes. It has done well in or milling purposes. It has done well i
various parts of Ontario.

## - Abortion

a discharge comes trom her the each time day. I have heard several complaints from neighbors who have taken cows to calve before going full time and some
believe the bull it in the be the proper treatment for the cow be fore I took her to another bull, and how
long should I wait before doing so?

Ans. - The symptoms are not good and
we would be we would be very careful for a time a
abortion is a bad disease to have in the abert. The disease usually finds its wa
herd. The
into a stable through the medium of diseased bull or a purchased cow. Th
vagina and exterior genitals should be vagina and exterior genitals should be
thoroughly washed with a good disin fectant for a time. A three-per-cent. so
lution of carborlic accid is a very good dis
infectant for internal intectant or internal work, stalls, gut
ters, etc., should also be treated with
solution of some coal Solution of some coal tar product. W
would not breed the cow for six weeks two months, and during that time would
frequently fush the vagina. Once a cow as aborted there is difficulty sometime

Root Seed-Leaking Stove Pipes. would ine reords and tops need to be leff on the mangels and turnips, or would the be all right just as they are in the cellar
Would they be injured if frost? What causes and what is a remed
2. for black soot running out of stove pipes?
3. I am enclosing a sketch of the front i. of am enclosing a sketch of the front
view of $m y$ barn in which I purpose put. ting in larger windows. The wall is 18 inches thick and the stable is 10 feet high moul if it weaken the foundation lights 10 by 12 instead of the four lights as at present? After making the change
will the stable be warnuer or colder? will the stable be warnier
present it is very damp.
Ans-1. Mangels and turnips can be the spring, having the crown planted in with the surface of the ground. Mangel seed is a little more easily grown than
turnip seed. There would be danger of plants not growing if they had been touched by frost in storage.
2. The black liquid running stove pipes is due largely to condensat oon
of moisture, and is caused draft and by the chimney being cold, as would happen with a chimney of, one
thickness of brick built on an outside wall The trouble very seldom happens wher The trouble very seldom happens where
the chimney is build on an inside wall. avave seen the difficulty overcome by

BEAVER MEDI CHESTER WHITES
mon over $75 \%$ of the prize money at Toronto


## TAMWORTHS



Meadow Brook Yorkshires

## Pure-Bred Tamworths

Neil H: Purvis, R. R. 3. Sunderlind ontario. Il ages and both sexpes. Yorksuri



## It Has Been a HARD WINTER On Your Stock!

No doubt you will have noticed by this time that some of your stock are not doing nearly as well as some of the others. They appear to be thin, poor and run down, and it is difficult to keep them in any sort of condition, no matter how much you feed them. What is the reason? Simply this - they are not properly digesting their food, and alarge portion is being passed through their systems unassimilated and an absolute waste.


## They Need

## INTERNATIONAL Stock Food Tonic



Your horses are just beginning the hardest work of the whole year, and they must be put into condition for this work. International Stock Food Tonic quickly tones up trouble after a winter is that with lack of exercise the digestive organs are not in proper Food Tomic overcomeste, this d afective passimilatation. It leen leen the appetite; and the stock
jerive more nourishment from the usual amount of feed eaten. 50c. and $\$ 1.00$ Packages Large Pails at $\$ 3.75$.
Sold by all dealers. Its use is guaranteed to keep your stock in better health and make
you big, ertra profits for its 10 w cost of feeding. Remember you get 3 feeds for 1 cent

## READ THESE LETTERS



International Stock Food Co., Lid.

INTERNATIONAI
Stock Food Co., Limit

FOR YOUR HORSES
Keeps horses thrifty and healthy with nice
glosy coats. If you have a horse that is
hide-bound hide-bound, rough, off its feed a horse in that rundown
over-wrked condition. use INTER.
or or over-worked condition, use INTER.
NATINNAL STOCC FOOD TONIC. The
remarkably quick results obtained will be evident in the improved. all-ro
and appearance of the animal.
FOR YOUR COWS
Keeps the digestion perfect, keens the
appetite, makes poor feed palatable, tones up
the sluxkish digestive organs of your milk coe sluggish digestive organs of your milk
cows. assisting theme to extract all the milk
producing substances from the food. Thus quancity of rich pure milk what will a lest hist FOR YOUR HOGS


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     White Cap Dent and Bailey for sale. dollarsf, List free. P. Thomson, Muirkirk, Kent Co. JOHN DOW

[^2]:    

