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Vol. I.III.

LONDON, ONTARIO, MARCH 28, 1918.
No. 1331


Its perfectly put on locks, and precisely straight and even spaced stays-its splendid outward appear-ance-are indications of its staunchness and goodness.

Years of service on many thousands of Canadian farms, with tremendously severe tests imposed on it, attest to its enduring stamina, and confirm all we have said about FROST fence as a lasting investment.

The FROST Company have always had one thought in mind to build FROST fence so well that buyers of it will come back again every time they require new fence.

Our greatest asset is the great and ever increasing number of FROST fence customers -
an army of boosters for FROST QUALITY.
If you were to visit our mills and see how we make and galvanize the wire-how we put that peculiar elastic wave into Frost laterals-how carefully the locks are applied without kinking or weakening the laterals-you would have a pretty good idea why FROST fence is FIRST in quality, in service and in value. The next best thing is to see one stretched up on a field or to examine one at a FROST dealer's. If you don't know a nearby dealer, write us.

A style for every purpose.
Frost Fence First
Frost Steel and Wire Company, Limited
Hamilton, Canada


THIS ENGINE WILL COST YOU NOTHINO GILSON


CILSON TRACTOR


## THE STAMDARDIZED TRACTOR

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## APPLE TREES

If you intend planting Apple Trees or any Nursery Stock this spring, be particular as to the kind you get and be sure they are grown right, are PLANT E. D. SMITH'S TREES

They cost no more than inferior, poorly-grown trees
If you are unfamiliar with the best varieties for your section, we will be gled to assist you have nearly 800 acres devoted to Nureserces Stock and urcharding, and can supply first-clas
stock of the following selected and inspected trees.
APPLE, PLUM, PEAR, CHERRY, DUINCE
GRAPE VINES, ORNAMENTAL TREES, SHRUBS, CI, SMALL FRUITS, INES, HERBACEOUS PERENNIAL ROOTS, ELIMBING ESTA BLISHED 188

## THE WONDERFUL GILSON

SIMPLY CAN'T BE CLOGGED. The simple, scientile, carefully worked-out Filler makes it absolutely impossible to colog the throat of the blowning Gilson Sillo elevation and rapid work with light mawer. At has broken all records for high splendidly, Made in three wizes to sult any power. The 4 h . operates the small size
Gilson is rightly called the
 because of its remarkable elevating powers, absolute
safety, durability, strength and simplicity-it stands su-
preme like sixtr" preme. It has convenient and quick knife adjustment; solid steel-bound cutting
wheel; patentiter Whee ; patented safety reverse-and is guaranteed to cut and elevate MORE
ensilage with the SAME power than ANY other enslage cutter IN THE WORRE GII SON Mor catalogue and proof. Manufactured and guaranteed by-

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will Clean Finning Mill the fastest and best mill on the market or mon
refunded. Ast he man who owns one. Eline MFG. CO., Write Por Pamplet BEETON, ONTAR10



## Reroof the leaky barn with Brantford Asphalt

A leaky roof always gets worse and is apt some day to cause a lot of damage to the crops in the barn or the furnishings and wall paper in the house.

With Brantford Asphalt Roofing selling at such reasonable prices, it is true economy to roof with it. There is hardly another line of goods that has had the small advance in cost since the war that Brantford Roofing has had. By installing improved machinery and increasing the volume of our output, we have lowered our cost of production which has enabled us to keep down the price of Brantford Roofing below what might be expected in the face of the rising cost of raw material, labor and transportation.

Old wooden shingles are being replaced with Brantford Asphalt Roofing. It can be laid very rapidly, saving time, which means considerable when labor is scarce and high. It is a wonderfully fire-resistant roofing-a fire starting on a Brantford Asphalt Roof being unknown to this day. It is also very durable being completely waterproof and the asphalt blended and tempered to resist all the extremes of the

## Canadian climate. <br> Brantford Asphalt Roofing

## Brantford

Asphalt Roofing
is finished on both sides with
a surface of silicia sand and
is made in three thicknesses
and weights.
No. 1 is 60 lbs . per square. No. 2 is 70 lbs . No. 3 is 80 lbs .

## Brantford Rubber Roofing

has the same high quality asphalt saturation and coating as Brantford Asphalt Roofing but it has a smooth, rubbery surface instead of being sanded. It is also in three weights. No. 1 is 40 lbs . No. 2 is 50 lbs . No. 3 is 60 lbs

## Standard Mohawk Roofing

While this roofing is lighter in weight than Brantford Asphalt and Brantford Rubber it is the best quality of any low price roofing on the market. It is a standard that has been tested for years and given entire satisfaction. Sanded on one side. One weight only- 40 lbs .

## Mohawk Rubber Roofing

The same grade as Standard Mohawk exept that it has a smooth surface. Used for all classes of temporary works -sheds, barns, shacks, bunk houses, camp sites; and even dugouts in the trenches are covered with it. 35 lb ., 45 lb ., and 55 lb . weights.

## Leatheroid Roofing

Slightly lower quality than Mohawk Rubber and used for same pur-
poses. Has a leathery surface. Excentionally good roofing at a low poses. Has a lea thery surface. Exceptionally good roofing at a low

## Brantford Roofing Co.umat

Head Office and Factory, Brantford, Canada
Branches at Toronto, Montreal, Halifax


## Thirty-One Cents an Acre!

## At Brandon the Happy Farmer demonstrated its ability to plow an acre in 45 minutes at a cost of only

 31 cents worth of coal oil! Compare this with the cost of plowing an acre with your best team, withfeed at high prices, and men's extra time to be counted in. Will it not pay you to use the

## Happy Farmer Tractor <br> Model B-12-24 Horsepower

> Here is the ultimate tractor for efficiency and
conomy combined! It is famous for its im conomy combined! It is famous for its sim-plicity-few parts to get out of order. Any in-
telligent farm lad can run it. It is heavy enough for the hardest plowing test and for heavy haul-ing-- light enough to use with the drill. And it will go anywhere: it will plow right up to the fence with no unfinished corners. It will turn in

burns it perfectly -all of it - with no smoke nuis- ance and no carbon trouble. Model B will not only pull the plow and the binder, getting your deliver 24 horsepower for all kinds of belt work at low up-keep cost. If you prefer a lower power tractor, Morlel A

supplies the need. Write us for full particulars about price, de-
livery terms, cte. Literature free onl request


## "I'm Off to Town, Is There Anything More You Want?"

YOUR son or daughter will be able to handle your shopping in town,-to take your produce to market, you own a Ford. Furthermore they always will be glad to make the trips.
In doing these errands they take a man's place. They save your time-and that of a horse. This time saving means money to you, and again, a Ford, it has been estimated, costs less than two cents a mile to drive, or two-fifths of a cent a mile per passenger. The Ford is, therefore, much cheaper than a horse to drive. It is safer. It is more enjoyable. It requires less attention. It will soon pay for itself. The Ford is the farmer's utility car.


THE UṄIVERSAL CAR Touring - - \$595 Runabout
Coupe
Sedan
Chassis
One-ton Truik \$535
F. O. B. FORD, ONT.

Ford Motor Company of Canada, Limited Ford, Ontario


Better Crops Result from Spraying


Founded 1866

## Clover Seeds

(Government Standard)

No. 1 Alsike
No. 2 Alsike No. 1 Red Clove $\begin{array}{r}\$ 16.00 \\ \hline\end{array}$
 O.A.C. 72 Oats. Silver Mine Oats,
O.A.C. 21 Barley Terms:-Cash with order. Rags
extra, 50 c . each. Jute bags for oats, 20 c . We will pay freight on
clover seeds. clover seeds
We guarantee our seeds to satisfy you, or you may ship back at our

Ask for samples if necessary.
Caledonia Milling Co., Limited
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Clover Seeds


## Selected

Seed Grain


## HEWER SEED CO.

90 Macdonnell St. E., GUELPH, ONT. O.A.C. 72 Oats - $\$ 1.20$ per bus. siose of our supply before the rush of mork
we offer at this low price. Jute sacks 10 . C. NIXON St. George, Ont.


## "IDEAL" FENCE PRICES <br> FREIGHT PAID TO YOUR STATION

Below we give the freight-paid prices to any station (except Electric) in Old Ontario on orders of $\$ 15.00$ or over. Prices for New Ontario quoted on request.
QUEBEC AND We have opened a warehouse and office in Montreal to handle Eastern shipments $\mid$ We have a large stock of all styles of "IIdeal"


GARRIED IN 20, 30 AND 40 ROD ROLLS.
 apart, spacing $9,9,10,10$. 1 . ${ }^{2}$ Per rod.
No. $6390{ }_{c}^{6 \text {-line wires, }}$ h9 inches 4 he apart, spacing $7,7,8,8,9$. Per red...... No. $7400{ }^{7}$-line wires, 40 inches apart, spacing, $5,6,6,7,77 / 81 / 2$. Per
high, uprights 22 inches
rod
 apart, spacing $5,61 / 2,7 / 2,9,10,10$, Per
rod
high


 No. $10540 \begin{gathered}\text { highe wiries. } 54 \text { ins } \\ \text { hights } 22 \text { ins }\end{gathered}$ No. 10541
apart, spacing $3 / 2,31 / 2,4,5,6,7,8,8,9$ ing, uprights 22 ins.
Per rod ? No. $1157 \begin{aligned} & 11 \text {-line wires, } 57 \text { inches } \\ & \text { high, uprights } 160 / \text { ins }\end{aligned}$ part, spacing $3,31 / 2,31 / 2,4,5,5,7,8,3,9$. 84 C
Rer rod. No. $11570 \begin{gathered}11 \text {-line wires, } 57 \\ \text { high, uprights } 22 \text { ins }\end{gathered}$ apart, spacing $3,31 / 2,3 / 2,4,5,6,7,8,8,77(C)$
9. Per rod

 MEDIUM HEAVY "IDEAL" FENCING Tor AND Botrom wires Noi or orer wires

No.6400 $0_{\text {spacing }}^{6 \text {-line wires, }} \mathbf{\text { uprights } 2 2 \text { ins. high, }}$ inches apart, 30
apart, spacing $3,3 \frac{1}{2}, 4,4 \frac{1}{2}, 5,6$. Per 4 C C
rad.

 No. 93011 1-line wires, 30 inches
apart, spacing $3,3,3,3,3,4,4,5,6$.. Per
rod No. $1448 \begin{aligned} & 14 \text { line wires, } 48 \text { inches } \\ & \text { high, uprights } 13 \text { ins. }\end{aligned}$
pacing $4,4,5,6,7,7,8,9$. Per rod......
"IDEAL" POULTRY FENCING $\begin{gathered}\text { Top and bottom wires are made of no. } 9 \text { all other wires no. } \\ \text { 13. }\end{gathered}$


Improved "Ideal" Stock Gates-Open Mesh
Iate in the following sizes only
12 feet long, 51 inches high, each
13 feet long, 51 inches high, eath
Improved "Ideal" Farm Gates - Close Mesh 3 feet long, 48 inches high, each $31 / 2$ feet long, 48 inches high, eac 4 feet long, 48 inches high, each 10 feet long, 48 inches high, earh 12 feet long, 48 inches high, each 13 feet long, 48 inches high, each 14 feet long, 48 inches high, each
16 feet long, 48 inches high, each

Supplies for "Ideal" Fence


Brace Wire, Staples and Barb Wire


Buy Now and Save Money The enormous demand for steel by the European countries leaves only a limited tonnage for home use there fore prices are uncertaine We tugesest your ordering now, while our
prices are ripht. Remit hy Bank Drait, Post Office Order or Express Money Order
THE McGREGOR BANWELL FENCE CO., Limited, Walkerville, Ont.

## At what age do Farmers Retire?

A farmer retires when ill health compels him to do so, or when he has enough money to keep him for the rest of his days.
Farmers are much like other men. In the past they have spent freely as they have earned and old age has found most of them without the money upon which to retire.
But the farmer of today - if he is wise-does not leave the matter of his independence in old age to chance. By investing a few dollars each year in an Endowment Insurance he builds up a fund to keep him in comfort when he is old, or to care for his family should death claim him early.
Write for a free copy of "Barlow Drops In" which
tells all about it. Address:
THE IMPERIAL LIFE Assurance Company of Canada HEAD OFFICE

TORONTO
Branches and Agents in all important centres
,


For the Business Man on the Farm The desk pictured above-the "Efficiency Desk" will do for you, in
rour recrord-keeping, what the automathile and the modern tractor have done in of actual faru development. In it you can keep, indexed for keeping convenience combined. Here ports, your market prices on product $\begin{aligned} & \text { it } \\ & \text { the to suit your nerds exactly-and } \\ & \text { the }\end{aligned}$ for use in basing future prices, and Take a pencil now and write a
vour clippings from farm papers on interesting subjects.

 $\begin{array}{ll}\text { probably been looking for something } & \begin{array}{c}\text { Toronto Montreal Outawa Halifax Hamilton } \\ \text { IVorn }\end{array} \\ \text { like this before-a desk and a record- } \\ \text { Winnimes Rexina Edmonton Vanconver }\end{array}$ Office』Spectalte FILING SYSTEMS

## Palmer's Summer Packs


when you ship y
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## MUSKRAT

There is BIG
MONEX
"1 ever kuown- higher prices

## All Classes are Liable <br> Under the Dominion War Tax Act

## Returns covering 1917 details must be filed on or before 31st March next

7 HE Income War Tax Act applies to every class of person residing or ordinarily resident in Canada.

Every unmarried person, or widow or widower without dependent children, whose income exceeded $\$ 1,500$ for the calendar year, 1917, and all other persons whose income exceeded $\$ 3,000$ for the same period, must fill in and file the necessary forms.
All persons engaged in farming of any kind, who are liable under the provisions of the Act, must get three copies of Form T-1 and answer in detail all questions asked. Special attention is called to the following points as well as to those specifically mentioned in the Form:
Gross Income Must Include all income from the sale of produce, stock, or other products whatsoever, as well as monies received from other sources, such as Dividends, Interest, etc., as provided in the Forms.
Personal and Living Expenses must not be deducted in determining gross income-the figures must include the value of all food and other necessities of his own production, consumed by the taxpayer or his family.
Depreciation.-In giving figures under Depreciation, particulars of the value of implements, machinery, and outbuildings on hand January 1st, 1917, upon which depreciation is claimed should be shown, but must not include any amount for dwelling occupied by the taxpayer.
The amount expended for labor in the preparation of land for crops and in the cultivation, harvesting, and marketing of the crop should be stated, as well as the cost of seed and fertilizer and the amount expended for labor in caring for live stock, cost of feed, repairs to farm buildings, but not cost of repairs to dwelling. The cost of small tools and material which is used up in the course of a year or two, such as binder twine, pitch forks, spades, etc., should be shown as these are deductable.
The cost of labor may include board of hired men, but no amount as wages for the taxpayer himself will be allowed.
Penalties.-Default in filing returns renders the person or persons liable on summary conviction to a penalty of one hundred dollars for each day during which the default continues. Any person making a false statement in any return or in any information required by the Minister of Finance shall be liable on summary conviction to a penalty not exceeding ten thousand dollars or to six months imprisonment, or to both fine and imprisonment.
Don't forget to fill in three copies of the Form. Keep one copy and file the other two with the Inspector of Taxation for your District.
Forms may be obtained from the District Inspectors of Taxation and from the Postmasters at all leading centres.

Postage must be paid on all letters and documents forwarded by mail to Inspector of Taxation

Department of Finance,
Ottawa, Canada

## INSPECTORS OF TAXATION.

For Ottawa and District - K. Fellowes, Cor. Bank St. \& Laurier Ave., Ottawa, Ont. For Kingston and District - G. A. Macdonald. Kingston, Ont. For Toronto District - Hugh D. Paterson, 59 Victoria St., Toronto, Ont For Hamilton and District - Berkeley G. Lowe, Customs Building, Hamilton, Ont. For London and District - George R. Tambling, London, Ont.


LIII. LONDON, ONTARIO, MARCH 28, 1918.

EDITORIAL.
Beef Prices.
Keep the sheep and kill the dogs.
Breed the work mares this year and work the brood
mares.
The nation can keep up its spirits without pouring so much down its neck.

The German defensive war grows rather aggressive on the Eastern front.

The better prepared you are for spring, the less you will feel the labor shortage.

The farms of Canada are looked to in 1918 for the biggest : ields they have ever given.

Thẻ Railways got what they went after. They generally do for they are strong lobbyists.

The war must be won now or our children will have to take up the fight for liberty later on.

Get the best help you can; use it the best you can,
and if you can't do any better help yourself.
When the knolls in the country whiten and the land pulls up loamy and friable, be ready for the field.

Tractors are here to stay and are a big help, but on work.

If Russia does not soon awaken there will be some re-formed spelling of the word with a capital P and a
small $r$.

The man who put in high-priced steers last fall to present beef prices.

The feed question is still unsolved. Everyone hopes that a favorable crop year will put an end to some of the
difficulties now experienced.

At the time of writing "sap's running" and doubtless by the time this reaches our readers some of them will
be "boiling down," or "sugaring off."

Many complaints have come to hand that millers in
Western Western Ontario have been overcharging for millfeeds.
The set price should be lived up to. Laws not enforced are worse than useless.

The Newark News says that the most courageous slacker was the fellow who married his mother-in-law
to evade military service. Most men would rather be officered by the military than the militants.

Seed corn is said to have sold at from $\$ 30$ to $\$ 50$ per bushel at an auction sale in Essex Co. the other
day. (root seed pays. This was guaranteed to germinate 98 per cent. The cost of filling the silo is going

Beef Prices.
At the present time there does not appear to be any
chance that prices for live cattle will advance very ma terially this spring. Those who put cattle in to feed last fall at prices around ten cents per pound run a small chance of making any great profit this year, and the
man who eats the expensive cuts of beef from city tables is far from justified in calling the cattle feeder a profiteer. Figured any way you like, with feeds as high in price
and as hard to get as they have been during the past few months, the margin between the purchasing price
of the cattle last fall and the selling price this spring is bound to leave little more than the manure for the work of the field. Of course, there will be special cases where a small margin of profit will be made, but the great
bulk of the cattle which will go on the market during the spring months, unless prices advance which does not ssem likely, will net the feeders very little for their efforts. In this there is a danger that fewer cattle may
be fed next fall and winter than has been the case during the winter of 1917-18. The producer will not continue any line of production which does not leave him at least a living profit, and any attempts to beat down prices
only have a tendency to discourage production. It is true that eleven or twelve cents per pound live weight
is a big price for finished beef, but it is also true that the cost of producing this meat has advan zed so rapidly that there is less profit for the feeder in a great many cases finished product sold at about half the price.

Uses for Spring Wheat.
This spring there-will be more spring wheat sown in
Eastern Canada than has been the case in any single Eastern Canada than has been the case in any single
seas fome years, and circumstances ju tify this departure from the general cropping system. Wheat is
needed to support the Allied cause. A question has been raised as to whether or not it would be advisable to plan to sow spring wheat in with fall wheat on such
fields as may show considerable winter killing. Provided the fall wheat is not of a too early ripening variety,
and the spring wheat used is fairly early in maturity, sowing spring wheat crosswise of the drills of fall wheat might give very good results. Another important point to remember in this spring's cropping is that there is
some likelihood of there being an order passed before next fall prohibiting the use of marketable wheat for
feed. Keeping this in mind and knowing that peas are hard to get for seed this spring and that husking corn seed is practically out of the question, it might be
well to mix a fair proportion of wheat with oats or with oats nd barley in the seeding this spring, in order to
have some heavier feed for pigs, fattening cattle, and have some heavier feed for pigs, fattening cattle, and
cows on test next winter. A peck to one half bushel of spring wheat to the acre mixed with oats and possibly a
little barley would ensure some heavier feed. It would be well to consider the time of ripening in arranging the mixture. Spring wheat should ripen fairly well with
Banner, or O. A. C. 72 oats.

Titles.
It has been reported that some hold-up has taken place in the putting through of titles for Canadians.
We believe that the list has not been sent to the Imperial authorities. Most Canadians, democratic in spirit, be-
lieve that $w$ : already have enough titles in Canada, heve that $w$ already have enough titles in Canada,
possibly too many. Titles can never be anything else
but a menace to democracy. They promote class disbut a menace to democracy. They promote class dis-
tinction. They $t$ nd to set apart those who are for-
tunate or unfortunate, enough to have them bestowed tunate, or unfortunate, enough to have them bestowed
upon them. They are not in the interests of the public welfare, and are a relic of fuedalism. Hereditary titles
should from now on hav no place in Canada.

Municipal Garbage-fed Piggeries.
Some steps have been taken to induce urban dwellers to "keep a pig" as the slogan reads, but a number of cities are adopting the wiser and more feasible plan of
establishing municipal garbage-disposal piggeries. The garbage from one home will not go $v$ ry far in main-
taining a healthy, growing pig, so the greater part of the ration will necessarily have to be purchased in the form of grain. Those people who would keep a pig
around their dwellings at all are the class who do not throw much valuable food into the garbage pail, hence But grain or millfeed is the controlling factor in hog production right now, and nothing could be gained by
diverting the inadequate supply from one channel into another. More than that, under farm conditions there are usually by-products of the dairy and kitchen, roots,
soiling crops and pasture, which decrease very much the grain required to produce one hundred pounds of gain.
On the other hand, the urban dweller, usually inexperienced in hog feeding, must purchase practically all the feed required to develop and finish his pig at the
highest market price. His grain comes dear, and he has next to nothing which will act as a substitute to
conserve feed and cheapen production. If there were plenty of grain and few already engaged in swine production, the situation would be vastly different, but
as it is nothing can be gained by drawing on the as it is nothing can be gained by drawing on the now-
limited supply of feed in order that it may be fed by inexperienced hands under altogether unfavorable con-
ditions. The feeding of domestic garbage by untutored people is also a great source of danger to the industry Tor disease is sure to result and control would be difficult.
The most valuable garbage comes from the homes of wealthy people, hotels, clubs, restaurants, etc., and the thrifty wage earner. The latter class of people would be the only kind so situated as to look favorably on the
back-yard pig sty and with little or no table offal to be disposed of, grain or millfeed would be resorted to. The city of Worcester, Mass., has operated a munischeme, which is discussed elsewhere in this issue, is considered the most successful and efficient on the Ameri-
can continent to-day. True, some grain is fed there, but it is dispensed by trained, practical feeders who so manage the plant that garbage is the main ration and
grain or millfeeds a secondary consideration. If those interested in production would assist the cities in utilizing a valuable product which is usually incinerated, and
show them how it might be converted into a kind of food for which the whole world is clamoring to-day,
some good would surely result.
$\qquad$
Real Breeding Classes.
 with fat for the show-ring. Repeated extra fitting un-
doubtedly injures individuals as breeders, and as it is the best individuals of the respective breeds that go likely to be done the breed as a whole. Of course there is no compulsion to highly fit for the show-ring, but the judge is called upon to place the animals according to them. This being true, and fat covering a multitude of defects, the animal most superbly fitted generally
heads the line. In some cases doubts have arisen in the minds of the spectators regarding mature females in often in the past such over-fitted animals have proven
of little value of little value as breeders. In the West, one Ex-
hibition Board, at least, has seen fit to revise the prizelist so that only breeding females shown in breeding
condition are eligible. It has been made necessary to show the females in mature classes with offspring at

The Farmer＇s Advocate
and home magazine．


foot．This shomblave encour ghentent to thow hembers


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Give the Help a Chance．
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THE HORSE．
Leterinary Prescriptions For Farm Ise．III

B！isters．
1．Mplicatinns，used fon the purpose
Nature＇s Diary．
Canada From Ocean to Ocean Klll

Marcil 28.
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THE FARMER'S ADVOCATE.

I




It has been demonstrated at the spriny sales that the use of the curry-comb and brush, and perhaps a blanket, dollars in the public appraisal of the amimals offeret.
portion of the spring pig litters will be born. Allow the in-pig sow plenty of exercise and arcess to the soil.
This treatment will correct mand constitutional This treatment in ill orrect ander such a winter as that in coming to an end.


Short Ribs for the Feeder


Champion Barrow at the International.

New Professor of Animal Hus bandry for O. A. C
to learn that Wade Tonk, Managing Edfor of The
Farmer's Adoocate, hots heen appointel to sucom Prof G. E. Day as hed of the Live tock Hustandry Department, at the Ontarm Agricultural College. Prot. Dats engagement with the Dominion Shorthorn Breckers Association necessitated the appointment of a new be congratulated on the choice he has made. Mr. Toolles early traming and career have fitted him admirably grod judgment as well as the broat and optimistic view which he entertains in regard to the live stock The new Professer of Live Stock Hustandry at the Ontario, on March 3, 1sisti. There a us.fu! herd if days, twoor three gexd Clydes hak mates were nember amongst the farm horses kept, some sters were futtenel, and lorkshire hogs werebred, but only for pork purpuses
A flock of pure-bral shropshire sheep, was then in a by Mr. Toole when set a mere lad, and the returns irmu this venture were used to defray th: expense of a tolleme the O. A. C. was attendal in Janars, 19n\%, wit the regular course was enternt in the fatl of the - ambe wate At the end of the serond college year, Mr. Timh hanked
 1910. Vtar graluatims in the sering of 191! \!

$\qquad$

March 28, 1918
Swine Feeding Experiments at Lacombe.

THE FARMER'S ADVOCATE.

An Efficient Garbage Disposal Piggery.

|  |
| :---: |
| Experimental Farm, Alberta, in 1917, were intended to cover the questions which are being insistently put fir ward as to the actual value of pasture as compareal with the dry-feed lot and the relative value of different pastures for hogs. Similar work had been under wat durime previous seasoms, but not on so large a scall. as in 1917, when from five to ower seventy amimatio were nsey in single phases of the work. Figures as torest of grain under different systems of feeding have heen secured from car lot groups. It is felt that sime the results represent average farm onditions as to momb en of hose inchuded, the form a lasis mpen whith the prectical fecder may sefel construct his phat rect his teeding operations. The work in 1917 for the mere definite determination of the acre. Worr ink apacity of the various pastures under test h hemline in resence a group of hegs from which dratts ceath he made or to wheh "thatrats wold be sent, depending upon whether any gromp of hogs were not holdine dumn their pastures to proper promertions. or on the wher hand were pasturne there ared ton chach Three grougs of hogs were fed inside <br>  <br>  |
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Group of Yearling Romney Marsh Rams on a Farm in England
and
 humdred and fortesix dhes. The hand was very rich. with no unusual charateristics, Its forcign population,
Thloush alfalla carried muich less weight to the aere, we aceording to the census of 1910 , anounted to oonly feel that the estimate almene gien is a ste one under 33.5 per rent. In 1572, when the population was 44,000 ,
 this searonly, duplicated the resilts of previons somsions. If all the hogs being grown in Allerta were fel grain
through the self-fecter, yiven access to alfalfa pasturin early simmer, and rape pasture for late summer and lall, a total saving of tremendous wolume would be ef. pork now turned out; the hogs would go to market carry my a greatly rectuced investment in lator and interest less time than those now handled under the old s>stem In order to make a broad comparis) between differ ent breeds as to the cost of proflucing pork, a large number of Yorkshire, Berkshire and Duroc.Jersey sows,
due to farrow in the spring of 1915 , were purchasel fromi many different breeders. By such purchase the majority of the different strains of the different breets as far as represented in Nestern Canald were included in the :xper number in this test at one times he maxi The pigs were weanal at the sume age, , piven the same class of pasture, and fed the same kinds of grain
in the same proportions through the self- c 保der. The test was begun on May, , 1917 , and concluded on Janubreeds were finally weighel out. This is the secend of a siries of thrie tests which Were outlinedover a year ago with the diject of securing full summary of the nes. lts will not be availatle until the third tust is completed. It might be stiel that the
average number of pounds of grain requireal to make average number of prunds of grain required to make
a pound of pork stin with the three brevts in this par-
 ior one pmund of gain revecie the cernst att ontion of posal hy feecling is the most eronomical method; that



quite as favorably, and Dr. Edward Cahill, of the
Massachusetts Bureau of Animal Industry, made the stasementesttrs Bureau of Animal Industry, made the chusets are garbage-fed. Of 2,277 hogs sold byith
Corcester pig farm to a local packing house, only 11 Worcester pig farm to a local packing house, only 11 were condemned by the United States Government meat inspectors. This speaks
maintained in the swine herds.

Operation of the Garbage Piggeries.
The garbage as it comes from the farm is neithee washed nor steamed. Washing is considered uneconomi-
cal because so much valuable food material is washed away and wasted. It is declared to be unnecessary
since no material advantage is gained thereby since no material advantage is gained thereby. Cook
ing or steaming the garbage has been found by experience ing or steaming the garbage has seen found by experiehce than it of tinarily is and substances are incorporated in the food which are harmful to the hogs and which would not be eaten in the raw garbage. A hog is more
capable of picking over and culling garbage than atly capable of picking over
man or machine can be.

Inoculation Against Choler
The double treatment for swine cholera is practiced in the State of Massachusetts under rigid Government
supervision. This makes it possible to inoculate the sogs on the garbage-feeding parm and immunize them
homer against hog cholera. Restrictions are placed on the
double treatment in Canada, but the single or serumi alone treatment may be used bot the single or serum It is furthermore required that the garbage be pooked. Sing, in Tor the last Swine Breeders Association meetGeneral for Canada, expressed the opinion that thie serum alone treatment combined with the cooking of garbage would protect are fed until they are frequently worcester, the hogs are fed until they are frequently over a year old. treatment on such hogs, as it only renders them immune for a period of six weeks to two months. It is not a Canadian practice to feed hogs up to the age stated suitable arrangement might be made with the Health of Animals Branch, whereby the hogs could be protected against hog cholera

## Out-of-Door Feeding Platforms.

The pigs are fed in pens until about six months of age,
during which time they then turned into hog lots ( 100 pigs to about three accres), with out-of-door feeding platrorms made in 8 . by 8 -foot sections have a half-round timbere are mounted on skids the garbage being pushed off. The cosit per section
was $\$ 7$ with farm labor. Several sections are placed end to end, and when the ground around the platform becomes fouled the sections are skidded to another up. By this means the garbage trampled into the prownd is kept from decaying and producing foul odors. The platiorms are shovelled clean daily, and the material
removed is composted or buried. The hogs are kept removed is composted or whied The hogs are kept boars are kept to provide feeding stock and farrowing is controlled so there may be a sufficient number of
pens. During farrowing and sometimes during inoclus? pens. auring farrowing and sometimes during inocula-
tion a little grain and middlings are fed. Boars are rarely kept more than two yeu and only prolifin yows
that are good mothers are kept for repeated breeding.

$$
\begin{aligned}
& \text { Cost and Reyenue }
\end{aligned}
$$

buildings and equipment, but sufftige to io description of average net cost of disposal per year for in say that the was $\$ 10,169$, or $\$ 0.074$ per capita. The total cost of
collection and disposal
per year now totals' $\$ 60,435$. collection and disposal per year now totals 860,435 . of pork in 1917 realear profit was she , in the years the cost of collection. In 1902 the total' expèinditures
were $\$ 18,765.03$; the total receipts were $\$ 18.666 .99$. were $\$ 18,765.03$ : the total receipts were $\$ 18,766.99$.
In 1910 the total expenditures amounted to $\$ 37,039.68$, and the total receipts were $\$ 43,224,25$. The estimated cost of building and stocking a 20 to 30 -ton garbage
pigkery is set at $\$ 81,70$ piggery is set at $\$ 81,7000$
There are about 2,000
during the winter months, but in summer this'thunitbe' is increased to 3500 . About 100 to 150 pigs, depending,
upon the size, will take care of one ton of garbage. per
day. One aretaker can care for a day-fed them, bed and clean out the pens. About five cords of cleanings are produced daily ( 1,500 to 1,600
cords per year) and have a value of about $\$ 4$ per cord



 trained man.

was a substantial success. The visitors to the event were impressed by the high quality of the Clydesdales
and Percherons, by the outstanding and. Percherons, by the outstanding quality of the fat
cattle, and by the success of the bull sale. The lastmentioned feature unmistakably marks the progress of the pure-bred cattle industry of Manitoba and the West generally. The quality of the bulls wa good, and buyers were on hand to bid on the best animals. In all
189 bulls were sold, bringing $\$ 48,060$, or an average of $\mathbf{\$ 2 5 4}$. The 154 Shorthorns brought an average of $\mathbf{\$ 2 3 8 . 3 5} ; 18$ Aberdeen-Angus brought an average $\$ 337$, 'and 6 Herefords averaged $\$ 281.68$. The Short-
horn fertales, 8 in number, averaged $\$ 321.25$, and 2 horn fertales, 8 in number, averaged $\$ 321.25$, and sale was the price paid for Rosewood 2nd, Nonparei year-old Shorthorn bull, bred and contributed by I B Davidsont, Myrtle, Man. This bull sold for $\$ 2,200$ to C McMillan, Oak Bluff.
The fat classes for cattle were well filled, and the pion bullock of the show was calved in 1916 and bre by. J. D. McGreger, Brandon, Man. The name of this aninal was Glencarnock Victor 3rd, following in orde champions at Chicago
The Clyasses wesdale exhibit was of very high order unusually:kvall fitted, and the winners had to bere ceptionally good. An the aged-stallion class, no fewe than 23 horses lined up, and the judge, Dean Ruther
ford, bf Saskatoon, encountered some heavy work in placing the awards. The winning horse was Edwart Garnet, a big stylish animal, shown by Ben Finlayson penny, Regina the three-year-old class, Thomas Hal penny, Regina, won with Baron Wallace of Hillcrest
There were over twenty in the two-year-old class, here R. H. 'Tabdt, Condie, Sask., won the first-prize ribbon with Duke of Hillcrest, a quality horse by The Bruce...The. yearlings also constituted a strong class;
here Taber also stood first with Prince of Hillcrest, which entry later carried off the male charmpionship of the show. The female classes were well filled, and some year-old and over clast; Flashend Princess, show four G. C. Porterfield, Brandon, stood first. Doon Lodge Canadian bred chanapionship for females, Arcola, won the The Percheron exhibit was not as large as has been seen in pther Wastern show-rings, but the quality of the horses was , qniformy high. The outstanding repre-
sentative of the breed was George P., shown by Dr Read, Regina. He was a very showy horse and hard for the breed. Hen the aged class and the championship

## THE FARM.

## Comments on Correspondence

## I have been ai reader of your valuable paper for number of years. $\cdots+1$ have read many farmers'

wumber of years..it have read many farmers' letters
with pleasure, and a few, I must say, with disgust.
It seems as though men in almost every walk of life hate something to throw at the poor old farmer, in this time
of stress and strife. The common by-word is "The farmers are getting rich." I think a great deal of this ust like a lot of hens, if the
ackle to let everybody they lay an egg they have to to hit luck and make a few dollars, he has to advertise Now, just think what our city cousins and our ex
Food Controller, and a lot of our Covernment offic ials,
who have never who have never raised a hog and probably wouldn't happened to read that letter in the February 25 issue four pigs not five months old. Can you blame the city of 2,090 pounds of feed. If 1 am not juist gives arcount to 6 pounds of grain to shown that it requires from 5 pounds divided by 5 gives us 418 pounds of perre. His 418, pounds we have 302 pounds of pork unacrounted his profit at $\$ 25.54$, which 1 would consiler a very
good profit. Maybe Mr. Cole keeps his lorond smin and young pigs on hot air, but 1 find that it wasts me
more to make the first 100 pounds of a hoog tham it does
the second 100 pounds..
 Een. 'esplandshere is a bittle mere of the summe side
 2ax max -
profit if he figures right. But I don't think any of us
will make that 11 per cent. on our investment will make that 11 per cent. on our investment, like the
privileged packers are allo ed. By the way, privileged packers are allo ed. By the way, I see by
to-day's paper that the Government is talking of aside a little, and, in case the packers have to of laying declining market and lose money, it will be paid back to them. Now, would not this be a good way to increase the production of pork,-just let the Government lay aside a few milions to pay the farmer all he loses by
holding his hogs till they are finished does drop a couple of dollars a hundred, because we all know that there are thousands of hogs sold every year half, I don't want you to think the price will drop? because I am not. I am a young man who came grouch, first class of the M.S.A., but I am exempt on account of physical unfitness. I have been on a farm all my living, and a little to lay aside on that there is a good fellow, who is willing to work on the old farm for the from five o'clock in the morning until eight and head night. I don't think that many farmers will ever get

## Better Plowing Essential

## Editor "The Farmer's Advocate"

as many others who held the plowe, fife writer, as well testify to the truth that we grew more grain per acre on the run-down clay farms then than we have in the past three years, even with all the tile draining and The writer, being a close observer and various kinds of soils, firmly believes that at farmed on thirds of the failures on low muck and sandy lands and leaving no the fields plowed in abo well remember seeing all crop was put in many of the furrows lands, and after the with a plow and the cross furrows cleaned out nicely This gave drainage and warmth to the soil and a complete failure, as we have known them too frequently the las plowing is no secret. It can be traced of this mode o and other riding machinery, and the fear of the prows young generation of a few bumps. I would like a little space to show the new beginner how to produce the greater production, we read so much about, and give
the thinker something to think over. In particulars some may not agree with me such of the clean cut, wide bottom plow, with a coulter, wheel and skimmer that will turn a minature furmow of $11 / 2$ inches
deep br $21 / 6$ inches wide deep by $21 / 2$ inches wide, and a good stiff team that will turn a full furrow on striking out the lands. These
first two furrows should be turned flat over so their
eddee edges just meet firmly together, but not one piled on
top of the other to be dragged over the surface when cultivation begins. Strike out your lands six or seven paces wide and back furrow each land off by "geeing"
about until the proper width. You will not plow two
lands before about until the proper width. You will not plow two
lands before you will see what a nice slope you have from the centre of the land to the ditch. If the furrows are
turned over flat, rolling is of very little use and lost time, and the disk should be run lengthwise a couple
times, taking care not to get too deep so as to tear sods, or weeds on top to start deep so as to tear up th and crowd it out. The disk when properly used is be lapped half way to avoid the in. It should always the land is stubble or corn ground above unevenness. I better invented to pack and level it with than the good easily it would not if it only could be made to ride field is dragged four times over used. By the time a Work the lands mostly the horses have not stepped on the furrows up, but work the edges down, and when you get a gored crop when your neighbor has none you won't In conclusion I want to put in this already too lengthy
Jetter a lew don'ts. Don't in the cold, wet ground. Don't roll after planting, unless or putat'es, deep in a hole, but on top plant corn, beans, earth; try this if you want these to grow this year and sow timothy or clovers in front or behind the drice. Don' less seeng or dragging first. Try this with one-third littleplants cannot shove their way through two inche goes three inches deep. Don't think or before a drill time th plowing wide lands, as you are not. One gains Whant to tell you how a neighbor of mine made a com soct field plowed without a skimmer so the grass and lisked so deeply that the field was all covered with bits least four inches deep, then rolled the sods in to in at and the peas so solid they could not sods in to grow
(in) seed , ind as peas cost the company from $\$ 12$ to $\$ 15$ ti) seed 111 acre, it is a serious thing to make such mis-5

## THE FARMER'S ADVOCATE

partakes of thr feelings of each of the other two classes
and is probably as hopeless as far as any real support and is probatbly as hopeless as far as any real support
to his country goe-. natter how flagrantly corupt
his party hes ben them, he also is a "sure wount" with the anything against A third partizan is the one who is afraid to change.
He fears the turning out in the cold by his own machine and non-acceptance by the opposite group. Being cordiality of the Tories toward me cooled after the Union Governnent came into power and my usefulness and the campaign ended. How much more self-respect would be engendered in a number of our voters and how
much purer much purer governments we would have if yoters would
only realize that their representatives and political only realize that their representatives and political
friends considered them as $:$ o much fuel ueeful principally at election seasons to keep the party machine in action, and how faithful they are to this machine even
${ }^{\text {against their own intereits }}$ In my pre: idential address before the farmers of Nova Scotia last year, I spoke of the contemptible action of both parties in the llcal house in allowing legi lation
asked for the the farmers to pass the housc of assembly asked for by the farmers to pass the house of assembly
with the understanding that it would fail to pass the with the understanding that ir would fail to passe the
local Senate thus hoodwinking the farmer into be ocal senate, thus hoocwinking the farmer all they
lieving that his reprecotatives were doing all could lor him. In spite of the fact that the rep-esentatives were a number of farmers of both parties in my audience who were indignant at my arraingment of the political tricksters who had fooled them. In regard to this like to live to see the day when a man or woman wouter will be as nuch ashamed of having to confess that the) are, and always have been followers of one particular paray as they are ashamed ( $)$-day of being called turn-
These classe of partizans cann tt believe that a man could change his vote from pure and disinterssted motives. In the campaign in December last I found comparatively few who took me at my face value and
believed that I was workinc from patriotic purposes. The Tories thought I had turned Tory permanently. A few Liberals considered me a weak Liberal who had been influenced by the enemy's fale appeal to patriotism. A large number of both parties were sure 1 was after a rovernment job, and a lew insinuated that 1 was getting paid straight for speaking as a former In any cae I would not have mised the experience
for a pood leal. learned a lot more abut human nature for a good deal I learned a lot mora absut human nature and had my ideas about the political system confirmed
and strengthenerl.
R. S. J. Messevier.

## Favors Four-foot Sleighs.

Eiditor "The Firmer's Advocate":
Having noticed your articles re wide sleighs, thought 1 would tell you the opinion of the people in this district. The general opinion of the farmers is
that sleighs should be four feet, centre to centre of the runners on the ground. Many farmers centre of the got their sleighs made that width. This being a lumberang district and having used sleighs of both four and Give feet, teamsters all say for an all-around sleigh four anuch lower down than a wagon and the load placed directly on top of the runners instead of in between the whels as on a wagon, I do not think it necessary to have sleighs made four feet eight inches as a wagon is.
Muskoka District, Ont.
R. V. K.vichT.

## Prevent White Grub Injury

.ap Frotection Leaike No. 5, by C. Gordon Hewitt Dominion Entomologist, has recently been issued by the white grubs epartment of Agriculture and deals with .
White Grubs, which are the larva of the well-known May Beetles, or June bugs, will, it is expected, cause in statement istions of Eastern Canada in 1915. The of these insects. The grubs feed naturally on the rools of grasses, so when sod land is ploughed up they are deprived of their usual food and readily attack such crops as corn, potatoes, strawberries, etc., if grown on complete their life-cycles in other words a period of three years elapses from the time the eggs are laid until the grubs which hatch from the same are mature, In 1917, the beetles state and appear as beetles. districts in Eastern Canada, and eggs were deposited freely. The grubs hatching from these eggs did not develop much during the past year, but in 1918 they will grow more quickly and, being more voracious, will
undoubtedly cen undoubtedly cause serious injury to the roots, etc., of
various kinds of field crops feed throughout the growing season, and in the autumn of 1918 g go deeper into the soil to pass the winter. In the spring of 1919 they will again come near to the surface, eced for a short period and then rest for a time separatory to changing to the pupal state. It will be
seen, therefore, that the second year in the life of the grub is the destructive one.

Methods to Prevent Serious Injury.
Crops for Infested LaND-The female beetles lay timothy and the small grains. Suitable land nearest to groves or woods is favored by the beetles, which feed upon the foliage of the trees and then visit such nearby
fields to lay their egrs. In districts where the beetle fields to lay their eggs. In districts where the beetles land is now more or less infested with the grubs, and it would, therefore, be unsafe in 1918 to plant on newly broken sod land, or on land grown to the above crops Crops particularly fawored by white grubs are potatoes corn and strawberries. In addition to these, other crops which are grown in wide rows, and timothy, are liable to injury, The safest crops to grow on land which is suspected of harboring grubs, are alfalia, clover or
buckwheat. If it is not desirable to use infested land for alfalfa, clover, or buckwheat, the same may be again planted to timothy or small grain. Such crops as corn or potatoes should not be planted in 1918, on newly broken sod land in districts where the beetles
were abundant in 1917 . Corn or land which grew the same crops in 1917, and which were kept cultivated and comparatively free of weeds during the flight of the beetles in May and June, 1917, will be reasonably safe from injury by white grubs in 1918. Cultural and Other Methoos.-Under garden
conditions, grubs are often turned up when the land is
 should be removed hy hand and destroyed. Under acre known to destroy the grubs when they are known to be present in the land, and destroying crops. Late summer
ploughing which brings many grubs to the surface;


Two Necessities on the Up-to-date General Farm-Sheep and an Automobile
crushing numbers of them and exposing others to
weather conditions，is useful particularly in years when the grubs are changing to beetles． for croppinown to be seriously．infested and required for cropping in 1918 may be ploughed in late spring，
thoroughly harrowed and planted to a late crop．Such late cultivation will attract to the fields，crows，black－ birds，and other birds，which are known to feed readily upon these grubs，particularly during their nesting
period．Domestic fowls，such as chickens and turlevs are also fond of white grubs and should be allowed the run of infested fields when these are being ploughed
Limited areas may be practically rreed of grubs by turning in hogs，either in spring after the fres grubs by turning in hogs，either in spring after the fich
of May，by which time the grubs will have come to the surface，or in late summer when the crop has been removed．These animals are very fond of white grubs
and will root them out and devour them．An intestanal
worm of hogs，called the giant thorn－headed worm，is worm or hogs，called the giant thorn－headed worm，is gruber．The worm is introduced into the hog when the latter devours the white grub．There is little danger of this happening，of course，if the hogs are allowed the run
of fields in which no such animals had been pastured of hithins three whears，as any worm infested grub in the land during such period will have matured and disap－

## Representation

Editor＂The Farmer＇s ado
Mr．Pierce in reference to Fobruary 28th a letter from method of representation，and the use of the referendum Permit me to endorse all he says with one exception： It would mot do to give an elector three equal voles in a constituency electing three members．What is neeses－
sary in order to secure minority representation is the sary in order to secure minority representation is the
giving of a single transferable pote to each elertor in a constiteency in which several members are to be elected． Under our present system of single member districts it is absclutely impossible to secure proportional re－
presentation；so that the first step in reforming our present system is the grouping of our small districts into lirger ones and the election therein of several members
Some time I may trespass upon your space to show our present system．Now，however，I venture only to point out the fundamental error in our present methods． have given each portion the privilege portions and representative．But each portion so happens to be compssed of those who rive logether in the same district，
not of those who think together Hence we cannot hot of those who think together．Hence we cannot get says of Proportionad Representation that it is＂not the subs of Proportionam Representation that it is＂not the
sumstuation of something sor something else of the
same mature it is is the substitution of rimht or pron same nature；it is the substitution of right for wrong．＂
And in the same connection Prof．H．A．Overstreet says． And in the same connection Prof．H．A．Overstreet says：
＂Think of what our＇official＂brain centers are now Districts and precincts！Square miles of space in－ habited by heterogeneous crowds of beings having nothing deeply and continuously in common！It is preposterous．The true $s$ ：cial brain center is the group
that functions in commm，that has interests and know ledge in common，Untio we tap such centers as these we
shall remain as we are now，socially and politically brainless．＇
Brant
C

## Keep the Ball Rolling

Somor＂The
Having seen
estion＂I salscriurbr＂＂，with reference to＂Wider this eubject，as did the are article ipression tour my ydeas on
ssue on the same toruary 2sth issue on the same topic．Ithink this is a subbect that
should be discussed by farmers，to see if some means

me to be the greatest difficulty．Yet if a law were passed requiring all sleighs on the roads to be the same width ndue profits on hub rumners（because we would have o buy them）I think the channe could be made on our road

## nour roads． York Co

## Germination Tests

Editor＂The Farver＇s Advocate＂：
seed whose vitality has been provedance are very gratifying
reading to those whose work is in connection with the seed supply．A small addition could profitably be made on the seed supply in your issue of February 7th．It is some years since the method of home testing by means of moistened blotters between plates was first recom－ mended．Experience has shown that it is unsatis
factory，and that much good seed will be hist if grain is discarded owing to its failure under sich a test．At the office of the Seed Branch considerable attention
has been given to methods of home testing，and it has been found that even in the laboratory，where more
attention is naturally given to the seed than would bs possible in the majority of homes，the method gives very unsatisfactory and contradictory results owing to the difficulty of maintaining constantly the proper
degree of moisture．After all the recommended methods had been tried out，it was found that the simplest as well as the only satisfactory way is to plant
the seeds in a small box or can of moist earth，which is kept in a warm place until the vital seeds have share with corn the distinction of being the most de eptive of common farm seeds．The superiority of he method is so evident that in the Seed Laboratory standard germinator，the blotters of which are kep moist automatically，It is important too，that when ever possible a sample of seed which is known to be good
be sown at the same time as the sample to be tested be sown at the same time as the sample to be tested
Then if the good sample fails to grow well，one may be sure that proper conditions have not been maintained． If the results of a test are not convincing or if facilities for testing are not at hand，any one may have his seeds be addressed to the Seed Commissioner，Dept．of Agriculture，Ottawa，and，if not exceeding twelve ounces n weight，are carried free by the mails．
H．B．SIFTO

## In Charge of Germination Laboratory．

## No Carping Criticism


Encloed please find postal note of $\$ 1.50$ as renewal
of my subscription for 1918 ．We are well pleased with The Farmer＇s Advocate．＂We have been taking it each and every year．Life nowadays it is improving hurried and burdened with work that we have scarcely
time to read any paper at all，but we always find time to read the＂Advocate，＂even though we have to curtail It is no flattery to，say that your editorials on the various questions affecting the farmer that frequently arise are
excellent，calm，fair，appropriate，sensible，timely and excellent，calm，fair，appropriate，sensible，timely and
to the point．The trouble with some of us too often is to the point．The trouble with some of us too often is
that we are inclined to indulge in carping criticism，and
it sometimes does more harm than good It sometimes does more harm than good，and gives us a
bad name，for we often hear urban dwellers say that
＂the farmers will grumble anyway；that they are never sativfied，no matter how much they get for their pro
duce they want more．＂We cannot denv，that there is often some truth in this assertion，and although we get
plenty of reason for grumbling it is better not to let it plenty of reason for grumbling it is better not to let it
become a habit with us．The conditions that give
then when election time comes around we listen to the race cry，religious cry，and every other old cry that is
raised by the professional politician，and we vot the professional place and power in preference to the wonder that leading men who spend their time and no their talents advocating the cause of the farmer，after a while become discouraged and quit．The representa－ ives of the big interests are alway on the alert and
when they see a leading man advocating the farmer＇s cause，they first try to choke him off and if they don＇t succeed that way they then try maxing him off，and invite him to a banquet or to speak at a club me eting
usually held in the city of Toronto，where they wing him and dine him，and pet him and flatter his vanity until he concludes a＂separate peace，＂and what is worse，he oft $n$ joins the enemy and hits back at the
defenceless head of the poor unfortunate farmer defenceless head of the poor unfortunate farmer．Now， our leaders and support them，especially in the hours of adversity；we need not expect them to lead us to the and of promise．
Howeves，the future is looking b－ighter for the farm－ ing class．A few years of war and consequent scarcity that be that the farmer is at least a factor and of some importance．And the frantic efforts of our leaders to conserve food and fuel and to increase production have，
in many cases，only clogged the wheels of progres But it has taught the farmers that our leaders are not the oracles of wisdom we used to think they were，and we must do our own thinking now as well as our own physical wor

> "Others' follies teach us not, Nor much their wisdom teaches: And most of sterling worth is what Our own experience preaches."

## Ontario Co．，Ont．

Josepa Fox
Gang Threshing Would be a Success．

## Editor＂＇Tue Farmer＇s Admocate

I have read your valuable paper for some time，but have never found any articles which have interested me more than those on＂Gang Threshing．＂Where matter，if not a vital one it is practically imposibl o get the ploughing done when there are so many threshings to attend and silos to be filled．
Regarding small outfits run by gasoline engines， Regarding small outfits run by gasoline engines，
may say there are few men who understand gasoline engines and can repair or adjust them when they get put of order，besides they have to be kept dry or the
gnition and batteries will not work．True，it would ignition and batteries will not work．True，at woul of extra time that would be saved in changing bands， etc．Besides there wouldn＇t be such early and late hours at both ends of the day that are caused by changing
hands． Personally，I might say，that on account of such a large number of threshings which I had to attend and being alone the greater part of last fall，resulted in my not getting half my fall ploughing done．Gangs cannot
help but be a grand success and a great time－saver to the over－worked farmer these days．Could many of our prominent farmers not lay this before the Minister of Agriculture and the owners of threshing outfits，and next tall be ready to carry out this valuable scheme？
Northumberland Co．，Ont．Warren A．Atininson．

Record Prices For Seed Corn． In the report of a farm sale recently held near
Harrow，Ont．，seed corn was said to have sold at from

## Canada’s Young Farmers and Future Leaders．

What I Like About My Part of Canada

most of the benefit．However，owing to the world fool
scarcity the farmer to－day is taking his proper place，
and here are a few reasons why farning pispone of the Wherein lies the chief charm of farming？Is it the
easy life，the money；or the pleasure？With chores every day of the year，incluang sunday，with long，
arduous dass in seeding，harvest and threshing the farrin
offers no inducement is doub ful if the average farmer who pays his honist
delt） ts ，supports church and other benceficial institutions，
 cash．True，prices are high now，but taxes，mach hinery
and other expenses eat huge holes in the farma rececin and the city business man would be surprimed at the
small margin a farmer has to himsectf．As to plenure
 tame inded．For spor in ordind oury countre pleasures
football，hocker，tennis，boatine dimes we have

home talent help to make country life pleasant，and
during the long winter evenings and rainy dass，our during the long winter evenings and rainy days，our
hoilhes，books and magazines，and piano berome real
frimets ， tricnds to us．The city young people pay others to
amuse them，we have to depend on our own resources
and and I think ，in the ene to depend on our own resources
company for oneself．it is better to learn to be good As a life－work farming is attractive to me for several
reasons．First，it is a man＇s iob every day．The reasons．first，it is a man＇s job every day．The
manual lator involved demands fit bodies，and in ree
turn turn wer get gooll health and apperites and soond sleep．
Modern agriculture demands trained minds，and the most lrainy men will frind amplee scone for their in－
tellects．Again it demands trained hands，for a farmer has to be a carpenter and machinist and be proficient in many other trades ind his workh List antly，to be be a true
success a man must be of a high moral make－up，for success a man must be of a high moral make－up，for
farcming more than any other vocation is a partneship
lex ween（iod tad man rewicen ood and man．Even the most careless about
rligious matters nust take his Partner into account in his work．Thoush he may say very little，may not
even analze lis feelings，yet underlying all his work he
mulst realize li fele mulst realize his dependence upon God for success
This gives one＇s successes a better flavor，for the farmer
can feel that
none before． none before．
animal he rears increase added who exchanges
or wage，or the
another＇s ingenu another＇s ingen
increase，cannot who，in partne
from the raw $m$ Again，farm The farmer is，
his own farm is pendent on his may keep wha
crops and is sot
and time of dot crops，and is na
and time of doin
independence， independence，a
wishes，
any supen her he any superior
mixed blessing p
in their in their own int
subject．This subject．This in
appearance of ou
standing char standing characte
neighbors．For


Hor
Eortor＂The
Mast Most farme
of machinery，the uses．However， comparison to its
labor，pulleys，be
dusively for pum grindstone，separa
renience is chines it has power spare time and less as the brand－new，
fore it is desirable．
Below sever scribel． has proved to his
more desi
idfer

A shows how shaft bushings

Board should b desired． 3．Invise out wit
a good space deser af
of rim．．Marke
f．
as shown
Cut out ans insi made togiverulley
when puilew il when pulley is a asci
lugs with
wrain on givesestra strength
B shous Sace andect of of surd a emuigh to movere in a．Bore a hole
the centre．Two a ．Put arms
side of heassure
3 h 3 Mas
as distance
she 4．Bore
eigth of aninit as Sawn in smal

1．Nail Torts
 5．Put a thilt
end of arms，and

IHE FARMER'S ADVOCATE.


Automobiles, Farm Machinery and Farm Motors.


Homemade Pulleys.


## Gasoline Engine Queries.

 1. Will a $21 / 2 \mathrm{H}$. P. gasoline engine run a 22 -inch Will a $21 / 2 \mathrm{H}$. P. gasoline engine saw wood, the woodbeing from 3 to 8 inches in diameter if fed slowly? being from 3 to 8 inches in diameter if fed slowly? out batteries but with the magneto alone?
4. Which is the better, batteries or magneto?

Is it needful to have both batteries and magneto? 6. If a $21 / 2 \mathrm{H}$. P. gasoline engine will saw light poles for home use, what size of pulleys should I use to obtain the right will a 21 of speed as light sawing, if so what size of pulleys show wood such the wood being from 3 to 8 inches in diameter? Our timber is mostly composed of small poles. 8. What is the difference between coal oil and
kerosene? $\begin{array}{ll}\text { 1. Yes. } \\ \text { 2. Yes. } \\ \text { 3. } & \text { Yes. }\end{array}$
Yes
battery spark weakens as the cells become old. The magneo is probably the bette N. No. Magnetos have been so improved during
recent years that one can start as well off them as off 6. This question can't be answered definitely, because the enquirer hasn't given the speed of his engine.
A 22 -inch saw should run about $1,640 \mathrm{r}$. p. m. To get A 22 -inch saw should run about $1,640 \mathrm{r}$. the proper proportion of the pulleys divide the
engine speed into the saw speed. For example suppe engine speed into the saw speed. For example, suppose
the engine runs at $410 \mathrm{r} . \mathrm{p} . \mathrm{m} .1,640 \div 410=4$, hence the engine pulley should be four times as large as the saw
 then $1,640 \div 328=5$ and the engine
five times as large as that on the saw.
${ }^{7}$ ?. A 2 horse power engine is generally considered not large enough for 8 -inch poles, but will handle 3 to
6 inch stuff at about 1 to $11 / 2$ cords per hour. The saw to use with it should be 20 inches in diameter, and the speed $1,800 \mathrm{r}$. p. m. The proportion of pulleys should be worked out as explained in No. 6 .
8. None. They are the same thing

Piling on the Load
obile does realise that a gasoline motor in an automachine in motion the load must be biled that to get the plant after it commences operation? If you are unfamiliar with the fact it is well in future to bear it in mind because when constantly impressed upon a driver's
intelligence it counts for a great deal in economical intelligence it counts for a great deal in economical
up-keep as well as the reduction of wear and tear Be-up-keep as well as the reduction of wear and tear. Be-
cause it is impossible to start your motor under a load the power plant is connected to the driving mechanism by an apparatus which is called the clutch. A pedal of the "clutch" or the "clutch pedal" controls the name and when pressed down takes the load off the motor and by lifting puts it on again. There are three types of clutches in general use, the dry multiple disc, the wet
multiple disc and the cone. The dry type is composed multiple disc and the cone. The dry type is composed
of a set of steel plates having faces made of asbestos of ate stel plates having faces made of asbestos
material. Connections are made alternately to the material Connections are made alternately to the
fly-wheel or to the clutch shaft of the transmission. A
spring forccion spring forces the plates together, when the clutch is fly-wheel of the motor. The load is taken off the engine when the clutch pedal is pressed down and the plates separated so that they cannot act as a unit. In
clutch of this type it is folly to ride the pedal, hat is t.
keep your foot constantly doing this the asbestos faces of the plates are bound wear and very soon the clutch will begin to slip. While
your machine is running keep vour foot of the clutch your nach one is running keep your foot off the clutch
pedal and so allow the plates to remain in maximum
contact contact all the time. Whe a clutch slips you are wasting
a lot of gasoline and energy because the power developed
by the motor is
 and maybe you remember occasions when the motor
has been racing its head off but the car has loene moving sluggishly and on some occasions would have ditficulty N ascending the shatiest hills. The whole fault was
due to the fact that the cluth was not in strong enough
contact to detiver all the wower from contact to deliver all the power from the enging e though

When it becomes dry it has a tendency to grab. Neatsfoot oil isa good dressing for the leather as it has proven
itself very valuable under all occasions Castor-oil is also recommended by some all occasions. Castor-oil known to prefer it to Neatsfoot gil. We may also add that Fuller's Earth is spoken of very highly. The fabric face cone clutch must be handled similarly to the wet multiple disc clutch. When it commences to grab remove the oil bath, clean out the receptacle and put in new mixture that is, above everything else, clean.
Now you know in a general way practically everything about clutches. Furthermore you should not be afraid of them because as you can see there is nothing mysterious or complicated about their operation or maintenance. When your power plant is running nicely let out the clutch are piling a load remembering that as you let it out you you put it on the quieter your moving off will take easier Engines are built of the finest material but if you jerk and jump your car these severe actions cannot fail to ultimately result in damage to your motor. It it also
well to know that if for any reason you push down your well to know that if for any reason you push down your
clutch pedal while skimming along the road that it clutch pedaa while skimming along the road that it comfort of the passengers but in order that the strain may be as uniform as possible. Men who known as skilful drivers and mechanics are usually those who give the most attention and use the most care in the
handling of theirclutch.

## THE DAIRY.

## Don't neglect the animals that are a little "off" their leed. A good deal of trouble can oftentimes be saved by giving treatment early. Both ends of the animal should be watched.

Every dairyman should have a number of good books in his home, and among them should be several on dairying. A dairyman and his family cannot learn
too much about the business they are engared in Have you purchased a spring balance and secured a lew milk-record sheets yet? Some of your neighbors
have and are already enthusiastic over the peopestof of
knowing their cows bw milk and fat produclion ace will knowing their cows by milk and fater production as well
as bv name.

## Managing a Dairy Farm.

farm and herd darying depends a good deal on how the little difficulty in getting ahead while others find it have to make ends meet under their present system of Demongthe work. S. G. Carlyle, Superintendent Demonstration Farms of Alberta, gave many practical hints in an address delivered at a revent dairy con-
vention. While Western conditions were disonser certain extent many points were applicable tod, to a tern dairymen. The following are excerpts form EasCarlyle's address.
In the unusual times in which we find ourselves inst In the unusual times in which we find ourselves lust
now, there is perhaps no line of production now, there is perhaps no line of production placed that the concentrated feeds, such as bran, oil cake and oat chop, and which are essential to heavy milk pro. duction, have doubled in price. The price of labor has the only doubled, but the high-class labor required for possible to get. To offset these drawbacks we find that the price of dairy products has increased about 30 percent. against grain 150 per cent. and beef and pork
more than 100 per cent.; and these products placed on the market at a much less laber cant be dairy products, so that the dairy industry has suffered and will contimue to suffer until the prices of other commodities are normal again. Managing a dairy successfully at present is no easy task, and certainly the business is not as remunerative as other lines of
farming. It may. be taken as axiomatic howe that a man can win in any farm enternrise only persistent application to a chosen form of work He persistent application to a chosen form or work. He better than he can stand the losses incident to throwing away his experience and learning a new game, and $I$ assume that 1 am talking to a producing group of men

Conditions of Market and Feed.
The important initial consideration in establishing it special dairy enterprise is the market and the distance che ferm perishable products, especially in warm weather, is necessary that they should be delivered to the onsumer or manufacturer in a fresh condition, and farm is situated some distance fromts. It the dairy station the time sipent in delivery is too great and the


A Herd of Holsteins Near London, Ont

Another important general consideration is the character of the soil and climate. Dairy
cattle require succulent feed and through the summer months
this can be cheaply supplied by luxuriant pastures, either natural or tame. On this
account a farm of account a farm of
moderately heavy soil, rich in organic matter, is perferable to light
sandy soil. Liberal precipitation of moisture is likewise desir-
able. Pure Water. To carry on dairy
farming successfuly it is important to select a suitable farm. Perhaps the most import-
ant consideration next ant consideration next
to good soil is a good to good soil is a a good seven per cent. of
milk consists of water, absohtely more "picky," and greater care must be taken in pre- mecess tor a dairy cow to have a plentiful
 tion will not suffer.


 ghod revenue.




$\qquad$
$\qquad$

 and good drainave from ness a great deal of water is buildings, impurities will

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THE FARMER'S ADVOCATE.
and should be located near the dairy barns, preferably about twentr eet cistant, and on whe opposite side of turned out. The dairy barn should have plenty of light, as sunlight is the great germ destroyer, and plenty
of room should be left in front of the cows for feeding of room should
and also behind for cleaning out. The average stable containing two rows of cows is usually 36 feet wide, some are 38 or 40 feet. The wider the stable, the lower
the ceiling required. In this cold climate about 576 cubic feet of air space is sufficient for each now
Atter the builidings are arranged the farm should be laid out, and in the farm plan the pasture should be
located as near the stable as is consistent with goord located as near the stable as is consistent with goord
farming. The dairy cow nanufacturing a large amount compelled to do so will responding shrinkage in the milk pail.
In the laying out of the farm and dairy buildings, comfort and convenience should be the two great factors.
In order to have the animals do well they must be In order to have the animals do well they must be
comfortable, and by having the buildings convenient there is a great
cont of production.
Close Selection to Meet High Cost of Production In selecting the cows for the dairy, quality rather than
numbers should be considered, especially in these times when dairy feeds are so high in price and labor is so Babcock test were so badly needed in the dairy stables: never a time when the herd should be culled \&o closely. No one can afford to feed oat chop and bran
producer at present prices.
No doubt a sreat
prices, are selling these expensive atracted by the high the cows to rustle around straw stacks. This is a great mistakc, for, if dairy cows are poorly fed they soon
deteriorate, and it would be a national calamity, to neglect our dairy herds. As soon as the war is over
and conditions are normal again, dairy farming will become as profitable as it formerly was. And now is the time for the dairyman to remain steadfast and improve the herd by culling out inferior cows and buying first-class sires. High-class bulls can be bought tould be advisable to start now and louild up frrt-class herd and be prepared for after wir conditions.

## The Call for Bacon.

There is a call from the Allies for a great supply hog raising go well together. The skim-milk mixxed
with a little shorts or oat chop with the hulls sifted out, makes a feed for young pigs which cannot be improved upon, so that with present prices of butter and skim-
milk utilized in this way, and with the poor cows culled from the herd and the rest well fed, a profit can be derived mproved condition of the soil on the dairy farme come pared with the grain farm.

## Conserving Fertility

Dairy farming takes but little from the soil. Wheat
$\$ 1.00$ per lushel, the normal price, is worth $\$ 33.22$ per ton, and it carries with it elements, of fertilit worth
89.59 per ton. This value is calculated on a basis of 20 cents per pound nitrogen and 6 cents per pound
potash. A ton of milk at $\$ 1.50$ per cwt. is worth $\$ 30.00$ $\$ 8.56$ per the elements of lertility are only worth $\$ 2.56$ per t.wn calculated on the same basis, but the
manure put back on the farm soil will more than offset
the $\$ 2.56$. older European countries where the land has become depleted in fertility by continued grain growing, the
farmers wh., have engaged in dairying have brought their farms back to their former state of fertility
the soil, but also by growing luxuriant fodt manure In Ontario and the Eastern States these crops comprise province these crops have not a s yet been garown success.
fully. The one hope of profitable farming in the future in this country is in the growing of some kind or kinds
of forder crops, preferably of the legumes, sich as
dovers clovers and dean, pretherabs crops leave the soil in excellent
shape for the small grains to follow next season.

## Succulent Feed the Year Round.


brome grass, and some others, can be grown successully
over a great part of the province, and where well cured nake excellent feed in conjunction with green-feed in the southern part of the proved a profitable, crop and peas, or ailfalfa, mixked with green oats, green oats through the winter months.

## New Brunswick Farmers' and Dairy

 men's Convention.
## wick Fartuers'seond and Dairym meeting of the New Bruns-

 redericton, March 12, and despite the stormy weather facilities as a result of the heavy snowstorms, a large number of farmers from all parts of the province putin an appearance, and the convention may' be said After the visitors had been fornally, welcomed to the city by the Mayor, the President of t'e Asscciation,
Isaac Baird, of Chipman, Queen's Count; opened the proceedings with a very interesting and instructive
address, in which he pointed out that the tiller of the address, in which he pointed out that the tiller of the
soil was upon looked as the main hope of the country at the present time, and would continue to be so for all meas:re up to the requirements that they wrul manded of them. The progress which the agricultural industry had made in the province daring the last of the Dominion offering greiter advantages to farmers of the Old Country and its nearness to the markets also, not being the least of these. The call to farmers to extend their operations and increase their output one they could not afford to let gn by unheeded! patriot-
ism demanded it of them, and their own interests should induce them all to their utmost. It was matter for regret that the past season had not been as none would allow themselves to be discourased, but that one and all would produce as much as possible in the coming year.
The Hon. J. F. Tweeddale, Minister of Agriculture,
lealt with the food question, and the farmers regard to it. He admitted that it was not very muil unless they could be or the soil to increase their output of help, and to this end leave of absence had been astery or, for those men who had been dratted under tarms service Act, who had previously worked upon later to harvest them it would be forthoming. The ide that any man off the street would be satisfactory as farm help, as some people seemed to think, was alt han se; an inexperienced farm hand was almost worse than no help at all. He, the Minister, wanted to induce
armers to increase their live stock operations. Man men preferred to grow crops that would bring in quick eturns, rather than look after stock. This might have years ago, when the price of meat of all kinds ans few than half what it is at the present time: but having high cost of feeds, live stock must surely pay farmers to produce. The trouble often was that the present high prices tempted farmers to sell young animals that were
too good for the butcher, and should be kept for breeding purposes; and if that practice was to continue it would be idle to expect to raise the standard of the stock in might use.
Food Controller followed in the Representative of the great shortage of food supplies of all kinds was emphasout. The raising of siteep was dualt with b. T. Hothering ton, one of the provincial live stock husbandmen, who pointed out that New Brunswick farmers were very
much behind their brethren in several of the other provinces in this respect. The tog nuisance could not
be relied upon an an excuse, as there was now a law
that properly administered would of business. The majerity of districts in the province were ideal for sheep raising, and in view of the demand for mutton for fool, and or wool for clothing, it was astonishing that sy few farmers cared to go in or sheep, ow operative marketing of wool, and had established
stations where it could be braded, farmers should aved stations where it comid be graded, farmers shomla aval at least. With wool at present high prices the se who did
not keep. sheep) secmed to be throwing away g.lden opportuc. Mccullough, the provincial poultryman, was plainly the opportunities they were missing by not
keeping a reas nable number of hens. There was no reason why every farmer should not have at least a
hundred hens on his farm, and no stock would give such high returns for the labor involved in looking after
it as poultry. Those who did keep poultry in many and the result was that they did not get the profits the: and the result was that they did not get the pronits they
should get and then they said poultry did not pay.
on the fertilizer fuestion, more particularly on the value
ducing power augmented by the use of it. He was mental Farm Prof. Brownlee of the Dominion Experiaccount of the experiments, he had been carrying on with potatoes at the Farm. Many strain tests had been had been carried out by farmers in different parts of the province, and the results compared with thos obtained at the Farm, and in several cases the respltts obtained hy the individual farmers were much better than his
own. For instance the highest yield of Irist! Cobblers obtained at the Farm was 220 bustyls par are, whereas
the highest vield obtained by farmers with the sime the highest yield obtained by farmers with the sime
variety was 474 lous.hels, and the lowest 371 bushels. Better results had been obtained by some farmers with Green Mountains than he had been able to grt, the best he could do being 291 bushels, while others had got as huch as 300 tushels. The experimental Farm at Ottawa had been trying. Fredericton grown sed in comparison the great superiority of the former. For instance lrish redericton seed, vielded 360 bushels to the cre: the Ottawa seed yielded 68 bus'els: a difference
of 292 bushels. In the casa of the (ir iren Nountain Fredericton vielde redericton yielde-1 345 bushels, while the Ottawa seed the Fredericton seed yiel was 356 bushels, as against 22 bushels from Ottawa seed. Prof. Trueman of t and practical advice on breeding and feeding dairy cattle, and illustrated his remarks by some tables of statistics. He pointed out that farmers should not be disappointed if the offspring of a particularly good cow be a better producer than the averare of her ancestors and her offspring would sim,ly follow the average. By continually using bulls from heavy producing dams, however, it was possible to raise this average with each
by Co-operation was the theme of a stirring address by J. D. McKenna of the Maritime Farmer, Sussex. experience of the benefits of co-operative purchasing in the way of fertilizers through their societies, which had, by buying in quantities, been able to supply farmers direct at cost price. They were anxious to extend their operations and increase their efforts and get cheaper feed, but the minters refused to sell feed to the agriwhich that flour was so badly wanted overseas, it seemed strange that the millers should try to force it on the
societies who did not want it, so that they might be able to get feed as well, and he had taken the matter "Scarify" every miller in the country if hey he would change their tactics. As sson as the millers got at the
Food Controller, however, that official climbed down, and said the millers were correct in their attitude and he should not interfere. The result was that millfeed could only be bought through the retailer, and the full retail pil lad to
Prof. Grisdale gave New Brunswick agriculturists
some sound advice when he recommender that they go in for growing flax. Some of the best specimens of nore he had seen he said were grown in this province, and it would certainly pay farmers to put some of their
land under that crop. A factory had been established theyam, so Refrix ons market for all they can produce. Referring to tractors, he said they
vere all right for the prairies where the fields were mile long, but for Eastern Canada, money laid out on hem was more or less wasted. A heavy team of three of Eastern Canada far more satisfactory results than miny tractor, at less than half the cost. He also advocated larger fields, as the time wasted in turning about the
small fields resulted in serious loss. The milking machine he sid was an appliance that could be ver profitably used by a man having a dozen cows, as it saved a large amount of labor, and proved more of a success on some kinds of cows than hand milking. Healso urged the need of increasing the supply of pork, not only n account of the very remunerative price it is now
bringing, but on account, more particularly, of the do mand from overseas
Reports from the several county vice-presidents indicated that the past season had been anything but a satislactory one as a rule. The cold, late spring, with the very seriously with seeding operations, and as a rule the crops obtained were inferior in quality and much crop that was plentiful but He scarcity about the only vented many farmers from getting in all they had and a considerable amount was left standing in the fields and was later ploughet under. The area seeded to wheat was larger than for many years, and had the crops been
better would have given very satisfactory results Oats were a fair crop, a good crop, in fact, on dry and well-drained land; buckwheat almost a total failure Barley was less grown than formerly, and few farmers
seemed to care whether they grew it or not. Potatoes were not up to the average nwing to the wet seas>n. owing to the lack of farm help, had to be left in the esround 10 Ireeze. In some parts of the province many fields
were not seeded to anything on account of the land not being in workable condition through the wet; and in many others the crop sown failed to come up and every. thing-time, fertilizer, and seed, was wasted.
A visit was as usual paid to the Experimental Farm,
three miles below the city, and Superintendent Hubbard
showed the visitors over the barns pointing out the various objects of interest and explaining the work under
way. The cattle, sheep and horses were paraded for the
benefit of the visitors, and the benefit of the visitors, and the successes obtained in the
process of grading up a herd by the use of pure-bred sires was brought to their notice. Later, Mr. Hubbard
gave a very interesting account of the work of the Farm, gave a very interesting account of the work of the Farm
and of the best methods adapted for provincial re quirements as shown by results obtained there.
Addresses on Agricultural Societies were given by
M. A. McLeod the provincial superintendent, and M. A. McLeod the provincial superintendent, and
others, after which the series of resolutions prepared
by the resolution committee and others were discussed These included resolutions asking the Dominion and Provincials governments to protect the farmer by guar
anteeing the price for pork for the next two years at not less than 20 cents; also asking for a bonus of 25 per cent aid to greater production; lor the passage of a lay
preventing the running at large of bulls and dogs: opposition to the Daylight Saving Scheme which the
soundly condemned from the farmers' standpoint asking for severe restrictions on the sale of oleomargarine, be not permitted to insist on the purchase of four as preliminary to the supplying of mill feed. A resolution
was also passed condemning the Food Contmller for
his inactivity in looking after the farmers' interests
in this respect. This resolution was, however, later rescinded, on receipt of a telegram from that officia that he was taking steps to see that the millers fell in line with the farmers requests. Another resolution
asked better facilities for giving an agricultural education in rural schools. A motion that in future
years part of the proceedings should be corre years part of the proceedings should be carried on in
the French language caused rather a heated discussion
$\qquad$
of French speakers should give addresses in future.
The officers appointed for the ensuing year were as
follows: President, L. M. Anderson, Sackille. Vice President, J. A. Bernier, Fdmuundston; Recording
Secretary, C. M. Shaw, Hartland; Correspondin Secretary, A. R. Wetmore, Clifton, and Treasurer The Provincial Seed Fair reflected the conditions of good quality, did not measure up to the standard
of some former years. The entries, however

Oxford County Holsteins Make High Average.
The annaul spring sale of the Oxford County Holstein Breeders' Club was held at Woodstock, on Wednesday,
March 20.The general average for the 70 head catalogued
was $\$ 181.20$. was $\$ 181.39$. Few sales this year with so large a number
of immature animals consigned have reached a much higher figure. The 29 cows three years old and over
averaged $\$ 226.55 ; 10$ two-year-old heifers averaged $\$ 189$, and 14 heifers under two years averaged $\$ 126.20$. an average of $\$ 162.35$. The grand total for the sale was year-old of show calibre, and from A. E. Hulet's consignment, brought the top price going to Wm. Stock \& Son, of
Tavistock, Ont., for $\$ 525$. The - same consigner's bekerk, made the highest price for bulls, going to the
bid of Jas. G. Currie \& Son, sire of this youngster is Prince Colanthus Abbekerk and of the champion cow, Madam Posch Pauline. Paughter Duchess Hartog, a two-year-old heifer consigned by
Walburn Rivers \& Sons, brought $\$ 385$. She was within a few days of freshening and is a sister of the great
R. O. P. two-year-old, Duchess Wayne Calamity. She
was purchased by W. Cook, of Brant was purchased by W. Cook, of Brantford. Following
is a list of the animals selling for $\$ 100$ or over, together
with the names and addresses of their purchasers:
$\qquad$
King Fayne Albino, A. Pearce, Tillsonburg
Lady Jane Clothilde, $W$ m. Longworth, Ingersoll.
$\qquad$
$\qquad$
$\qquad$
$\qquad$ 120.00
145.00
112.50
28.00
175.00
174.00
$\qquad$

$\qquad$ | Mercena kent Abtekerk, $1 \mathrm{mm}$. Copley, Bright |  |
| :--- | :--- |
| Bonheur Colantha, J. R. Masters, Woodstock. | $1+0.00$ |
| 10.00 |  |

$\qquad$

THE FARMER'S ADVOCATE.
Founded 1866
King Aaggie Valdessa, G. S. Cuthbert, Woodstock
$\begin{array}{lll}\text { Lady Mercena Lindley, W. H. Cohoon ............. } & 185.00 \\ \text { Glenwood's Daisy Corinne, G. L. Hewitt, Bright.. } & 145.00 \\ \text { Pontiac Maid Francy, J. J. Fox, Guelph...... } & 310.00\end{array}$
Consigned By A. E. Cornwell.
Bessie Posch Cornelia, F. B. Shaver, Copetown.... 300.00
Countess Cornelia Mercena, Fred C. Dunseath,
Stratford.

| Consigned By F. W. Lee. |  |  |
| :--- | :---: | :---: |
| Minnie's Butter Baron, John Mansen, Ingersoll. ... |  |  |
| Lady Fayne of Cedarbrae, E. Sipel, St. Thomas... 270.00 |  |  |
| Len |  |  | Consigned By A. Dunn.

Baron Korndyke Segis, A. Small, Putnam.
Consigned By Wm. Pullin.
Princess Mary Korndyke, G. W. Montgomer
$\qquad$
$\qquad$
Calamity Fayne Segis, W. H. Cohoon
Oxford Aaggie, R. E. McIntosh, St. Mary's.......
Charlotte (Ormsby, F. IV. Kennedy
$\begin{array}{ll}\text { Alice Jewel, J. Mckay, St. Mary's } & 170.00 \\ & 205.00\end{array}$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
Consigned By McGhee Bros. Consigned By E. D. Hilliker
$\qquad$ Paul
Calamity
By E.
y, W. B.
e, G. E. B
Posch Pietert je Houwtje, G. E. Brown, Dundas
Jenny Pietertje Houwtje, M. Willis, Grand Prairie
Alta..
$\qquad$ $\begin{array}{ll}\text { Lady Abberk Fa orit, Wm. Duffy, Union. } & 220.00 \\ \text { Schuiling Canary Mercena, E. Siple, St. Thomas. } 290.00 \\ \text { Queen Abbekerk Faforit, A. B. Shaver, Copetown } 200.00\end{array}$ Consigned By B. D. Smith.
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$\qquad$
Malton Stock Farm Holstein Sale.
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March 28, 1918
Incubating Eggs.
In order to have early chicks, it is almost essential
that the eggs be incubated by artificial means. Failure to have the pullets out early in spring is one cause of shortage of eggs during the winter. Sometimes the hens go broody early in the season, but it is more customary for the majority of them to start laying in early spring and then become broody on in May and June. It
has been proven conclusively that the late-hatched pullets do not give winter eggs. A good many do not care to invest in an incubator, as they only wish to hatch
from seventy-five to one hundred chicks in a season. Under these circumstances there are two ways of securing the early hatch; one is to buy day-old chicks from poultrymen who cater to this trade, while another custom hatching plant. These plants are not numerous aer as the Revell, is one poultryman who has been doing custom results. The first year around 1,500 eggs were brought to him unsolicited. On the strength of this, he increased the capacity of his incubator the following year and nearly 2,000 eggs, owing to lack of capacity in his ma chine. All told, 12,200 eggs were set. Again the follow customers could not be accommodated. Mr. Revell enlarge incubation capacity. I charged $\$ 2$ per tray o 75 eggs, and ran the machine from March 18 to July 8 ,
burning 3,931 pounds of chestnut coal in that time. Fifteen hours weekly were spent looking after the
machine and eggs. The customers brought their eggs
and called for the chicks. into a large plant if he so desired, doing work for people at a distance, and combining custom work with selling
day-old chicks." From the above statement it will be seen that farmers and poultrymen are quite ready to
pay for having their eggs hatched. Those who had their applications in early have early chickens, but those many winter eggs. There may be incubators in your
neighborhood that are not run to capacity. Possibly only one hatch is brought off in a season, and the ma-
chine would be available for custom work. While the natural method may be the most reliable one for
incubation there are limitations to its efficiency chief of which
will go broody. or artificial method, try and have the hatch the natural

Young Hens Lay Best.
THE FARMER'S ADVOCATE.
Young Hens Lay Best.
It is generally considered that pullets are the most
profitable for egg production, but all pullets do not give
a heavy egg yield when prices are high. However, if
they are hatched early in the spring and are given proper
attention, they will bring in more revenue then their two
or three-year-old sisters. The accompanying illustration
shows the profit on yearling, two and three-yearold
birds. This test lasted for three years with sixty hens.
The birds were of high quality as the first year 857
dozen eggs were laid by the sixty birds. After paying
for feed and labor, there was a profit of $\$ 124$ on the
flock, or over $\$ 2$ per bird. The egg yield dropped to
745 dozen the second year, leaving a decrease in returns
of $\$ 28$ In In the third year there was a heavy dropping
off in eggs, as only 576 dozen eggs were produced, but
even then there was a profit, though it was less by $\$ 70$

Back-door Poultry Keeping as a Profitable Side Line.
Editor "The Farmer's Advocate":
Now that the greater-production campaign is in full swing, it should apply to the poultry industry as well as that if all the feed the hens eat were charged up the re sults would be disappointing. I have often heard
farmers' wives boast of how much money they had made the past season from their poultry. When the husband would come out at the small end of the horn." I I believe of the poultry and eggs disposed of on our markets to-
day; if the men had their way day; if the men had their way I venture to say that
very few hens would be kept on the farm. Ask any
farmer if there is money in poulty, farmer if there is money in poultry, and in nine cases out
of ten he will say, "Not if you take into consideration
the cost of feed"" as with many other departments on the farm, no record
is kept. The farmer raises the grain and feeds the for the good wife markets the product and takes care of the
money, and the poor farmer naturally enough there is no money in keeping poultry. The only way to
decide this question properly is to test it out thoroughly by keeping an accurate account of all receipts and ex-
penditures for the year. I have always kept a few was never able to tell with any degree of certainty
whether the feed or the eggs and chickens cost the mother Last year I kept strict account, and for the benefit of
those who contemplate going into back-vard poultry On January 1, 1917, I started with eighteen White nothing but White Wyandottes, and my experience is themselves the champions, and as broilers or market
fowl they can't be excelled. Some time in February summer we lost four hens-one stole her nest awayg the was made for the body we found her dead on the nearch one got sick and died, and the other two died just be-
cause they wanted to, for I could find no symptoms of
any disease. I paid $\$ 10$ for an incubator and $\$ 10$ for any disease. I paid $\$ 10$ for an incubator and $\$ 10$ for a Grim a meeting of the Niagara Fruit Growers, held at
 Dominion Fruit Branch, discussed fruit marketing as
it applied to present ditions. True, this is a sub-
ject which has been well
threshed out from time to time; but as every season
approaches, growers become interested in marketing
methods and look about improving their methods of
selling and distributing. The
speaker discussed marketing the packed fruit can now two, namely, shipping to the ways, no doubt, have many
good things to be said in
their favor but they are
faulty in some respects, of desire on their part to handle
the fruit to the very best
advantage, and I believe, HOR TICULTURE.

The Fruit Marketing Question Again.

February, P. J. Carey, Western
 cockerel to mate my pens, and these two items alone generally speaking, the Where there happens to be a scarcity of fruit on offer, pearance on the marke regardless of the quality of the fruit, and the retail man
finds that he has paid an exorbitant price for what is sell without a loss, the fruit goes into decay. Nothing oes back determined to buy safe next time, and the purchase. tations. The competition between buyers should cribute the fruit over a larger area, on account of the one fault, however, with this method of marketing, and growing fruit of good quality.
"In the apple district north of the Lake, we found that
here f. o. b. sales were effected and prices find tandard of pack was lowered. This seems to be one of
are free. The grower too who counts on selling locally Sist so apt of care for his orchard in order to raise the the groweri is intensified by the fact that the byyers fix
each day a fat price to all lor a certain kind of fruit cach diyy a fat pric
regardesso of quality
in "llt tries abyersers had the courage to discriminate sharpl) in prices according to qualit
raiter the standard all round
"The shipping of peaches by carloads to differen points of distribution should be encouraged. IN Krow
oi no better way of marketing the ruit rep. There are of no beter way of marke ing the fruit crop. There art
thousands within shippoing distance who never have an opporut nity of securing \& basket of our peaches, Dis
ribution of iruit is the secret and I think the con sumption could be almost doubled it special effort wert made by the asococation and dealers in having representa
tives at the different points to tistritutec car otot of fruit

Keep the Peach Trees Free From Leaf Curl
In the past peach leaf curl has defoliated whole orchards, and it has even been so severe as to depopularyears. A dry, sunsthiny spring is selldom accompanied by any severe visitation ions of teat curl) whereas sold, wet backward seasons ussally see this diease quite pre-
valent.
For
this
reason
growers
have some sitines thought that leat curl on peach hrees was due to climatic conditions, but the fact has been amply demonstrated
 $\underset{\substack{\text { ing on } \\ \text { sunshin }}}{ }$
When a tree is affected the leaves hecome distorted Curled, hickened and yellowish-white p pinkish, of
purplish in on color. These symptoms are are first noted when the leaves begin to expand in the spring
However, alitel later in the season it will be olserved that they turn brown and fall. The disease may even
spreat from the leanes into the shoots sadd deetron
 completely defoliated, hhe fruit is stun ted ord or drops to the
 parcd. such an atark prevents the development of
rruit buuds even should the tree survivic the collt of the following winter ,
in cold, wewt sprines.
Prevention in this case has its proverhial value
Spray with lime-sulphur with s streneth

 to see that eerev bud is thorouphly covered. Sonewhan
weaker solutions of lime-sulphur or Bordeaux mixiture



Drive Out the San Jose Scale. If he San José scale has made it sappearance in the
orchard. or has become an unweccone visior in the
community, do not neglect to sprav well with lime




 herome thoroughly ysy








$\qquad$
Geep the spray
lozzles to prevent heir rectiun then


10. Use gloves to save the hands.

THE APIARY.
Paper Containers for Honey
Editor "Tue Farmer's Advocate
In consequence of the high price of tin pails ani glass jars an experiment in designing paper containery
lor granulated honey was commenced in Felfuary 1917 at the Central Experimental Farm, Ottawa. Nearly a kinds of honey produced in Canada will granulate har
Sto 8 weeks alter extraction, and in this form they can conveniently distributed in small quantities in att ractive nexpensive containers made of papper
The most promising result has heen obtained by pouring the honey when commencing to granulate int lags made of white bond paper, water-prooted with on a wooden block and placed in attractive rectangulat cartons, printed in one color. Two sizes of containers
have been tried, one holding 2 pounds of honey, the ot her
 filled were wedged in a box or frame, bout it seems, that it would be beter to pack them before filling in the
boxes in which they are to le shippect and to add sinall loxes in which they are to be shipped and to add small
amounts of honey to each by meann of a narrow spouted jug and spoon until all are eflled. In this way the containers would be handled only once. A convenient
siz of shipping box would bee one made to hold 6i) siz of shipping hox would be one mate to hold 60
pounds, that is thirty 2 -pound containers in 5 row se made or twelve 5 -pound in 3 rows of four, the box to arton content to take corrugated pater or other what








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ligher weight and huulk of the cartons and hags, which are supplied in the flat, reluces the cost of the freight compared with pails and glass jars. Anainst thi
saving must be placed the extra time taken in opening saving must be pace the extra time taken in opening
and miling the paper bags and cartons. The price of pails and cartons shas advanced during the year and in Dec. 1917 , lithographed 5.5 b . pails are bring and in

$\mathrm{at} \$ 12.50$ per 100 , and the 5.1 b . card cartons at $\$ 18$ per | at 812 |
| :--- |
| 1,000 |

## FARM BULLETIN.

The Bender Holstein Dispersal. Priessan cattie held by N. S. Bender, Tavistock, Ont. season. The was one of the most successful of the neighbors who knew the offering and appreciated ter's Bonnie 1.yons Colantha, a heifer which, as a senio wo-year-old, milked 61 libs. a day, and out of a gonord dam, realized $\$ 425$. The majority of the offering were
sired by King L.yons. Hengerveld and King Lyons sired by King Lyons Hengerveld and King Lyons
Colaththa. Following is a list of the animals selling for $\$ 100$ or over, with the names of their purchasers

Females.
Bonnic L.yons C'olantha, John Morgenroth, Hona Farm Pearl Dellitt, Jesse Looker, Mitchell 195.00 $\begin{aligned} & \text { Home Farm Annic Dellitt, Allan Bean, Maple- } \\ & \text { wood }\end{aligned}{ }_{220.00}{ }^{2}$.

 | Boonie - ady Hengerveld, H. Purcill, Listowel. 190.00 |
| :--- | stock 182.50 Home Farm Minnie Lyons, Jesse Looker

Bessie L.vons Colantha, J. C. Kaufman, Tavistork
1800.00

200.00 May Henger veld Veeman, Wm. Stock, Tavistock. 100.00 Hone Farm Katie L.yons, Wm. Stock $\quad 130.00$ | Yeeman Beauty Queen, Allan Bean |
| :--- |
| 19500 | Homie Farm Queen Hengerveld, H. F. Edworthy, Hone Farm Lydia Hengerveld, Wesley Heinbuch 150 Home Farm Colantha DelWitt, John Morganroth 2850 Home Farm May Lyons, Wm. Stock 150.00 , innie tyons Abekerk, Jesse Looker.

 150.00
117.00
1 Kurndyke King Colantha, John Masters, WoodColath ha Hengerveld Lyons, Wm. Kaufman, ${ }_{135}$ H500

## Mr. Parsons Replies.

\%nos
$\square$ Somveone has been good enough to send me a clipping 1romp L.eur paper dated March 1 th in which a Mr
 dian (liut of Orillia. Mr. Lennox surely wilfully mis-
rupresents mi ent ire attitude. In that address represents my entire attitude. In that address I
tried to show that producers of all classes should stand Mied to show that producers of all classes shoula stand
loge her in their mutual interests.s. My whol thought
and wil to make it appear that all producersowere doning
l.airly well at the present time and that they ought to fave more confidence in and goodwill toward each other I pointed out that in the case of the Grain Growers'
irain (Compant and their associated companies (the hrew of which had been amaotiamated according to hewspaper reports) the total profits of the three conit was stated, of $\$ 2,000,000$, which is equal to ninety Iner cant profit, i.also noted the well-known case of a (iythit) packing house that was said to have made cight per cent. profits on its capital. It must be re
memiluered, however, that I made clear that these intances of making enormous profits on capital were iltogec her extraordinary and that neither in agriculture or in manufacturing were large profits the rule bu tenial of the profits of the Grain Growers' Grain Com
 Hrinteld statements as given in the newspapers unless (an furnish proof of the case I mentioned of the farmer
 1milhisto of wheat as his father had done in earlier years Mr. Lennox makes a statement as follows:-"Some
w.urs "s." the secretary of the Manufacturers" Aswhiction stated in Winnipeg that they were two IIIl didl not know their own strength and a young gian The trudt of thic Dominimion and bring seven million people rine urowe of starvation." Now, if Mr Lennox will menton of this statement, which I have never heard (1) any charitable institution that one hundred dollar 1rmer's Atwocate may select- 1 .en me add a further well-known fact among those Who have had to consider nati-kownal fact, among those

President

Oak Grov

## THE FARMER'S ADVOCATE

has come when great national interests must be con sectional, and selfish considerations give way to large questions and policies that alone will enable us to bear our war burdens and fulfil our destiny as a nation. Surely we cannot afford to be fighting with each other. Io not of this country or the manufacturers have any grudge against each other. These are the two great interest upon which all the they are pror. A large study and broader outlook of our great national questions will lead us to esteem each other to the fullest possible extent. Win an It may surprise Mr. Lennox to know that furnished Chousands of men to the farmers from the manufacturing plants of Ontario, at a time when they could be badly spared, in order to help reap the harvest; further, that in many cases the manufacturers paid the difference in nered. This is also to be our program for the coming season.

President Canadian Manufacturers' Association

## Oak Grove Farm Shorthorn Sale.

Moderately good prices were realized at the Shorthorn sale conducted by L. K. Weber, Oak Grove Farm, the animals selling for $\$ 100$ or over, together with the
names of the purchaser
Eliza Broadhooks, Wm. Moore, Aberfoyle,
May Broadhooks, G. E. Morden, Oakville
ady Rosamond, John Stevens, Bornholm
Red Ribbon, G. E. Moore, Oakville.
Morning Rose, Wm. Moore
Meg Sultana, S. H. Pugh, Milvertor
Sultana Broadhooks, G. E. Mo
Rettie Broadhooks, G. E. More....., Puslinch
Princess Rettie 2nd, P. J. McLean,
Good Rose, Andrew Knox, Norwood
Princess Rettie, P. J. McLean
Princess Rettie, P. J. McLea
Morning Lassie, S. Smith, A
Morning Lassie, S. Smith,
Morning Gold, Jas, Douglas,
Sultana Beauty, Wm. Moore
Scotch Princess, G. E. Morden
Retana, G. E. Morden
Morning Beeuty Jacob Lerch, Preston
Bullrush, C, C. Diefenbacher, Wallenste
Red Scotch, Russel Johnson, Britton
Red Morning, G. E. Morden,
Royal Diamond, Jas. Douglas
Thinks Farmers Should Own Their Own Threshing Outfits

> Editor "The Farmer's Advocate"

I have seen opinions expressed in "The Farmer's perience in thresting I thought I would contribute to the discussion. I have been running a threshing outht for six years and farming also. Eight men
would be sutfiaient for a No. 3 separator of any kind running with an \& to 12 horse power engine-mal oit or gasoline. A steam outfit would require 10 men
unless wood and water werc provided. This outfit would use from 10 to to 12 gallons gisoline per 10 -hour day. Gasoline, 10 gal. at 40c.
Fender
Bager
Mow or stack men (ewo)
Grain carriers each ${ }^{515}$
carrying hants for putting on vat moin $\$ 4.00$
15
200
1.00
3.00
2.00
3.00
1.50
1

Tind threshernuen here are charcuing 8c. a lag for all kivds of grain, furnishing two men with the mill and
expense for rumnius it, and average too bags or son
bushels A thessiter requires a fair price as he must stand,
breakages and lost time and men are scarce and living Nem would mot stand for lost time. If the farmer
furnishes the thetp, in casse of a break the men ko back The throstier hais to stand lest time, breakage ant put up nith guend and bad grain and take his living out
of his chirwe and pay iroun twelve to sixten lhundrul
dollars lue dollars leer his outhit ready to thresh pay arners in Ontario do not thresh enough grain tu
averate Me man to go nut gang thresting as the

 stecpins in at tour-wheeled calion on a rainy or cold seleet sices that six or eight farmers go together and
machininitishink outtit and appoint two of the lest
 Each timmernl working ordder and to understand it
threshim should buy gasoline and oil for his onl threshins, nh: the gang stand repair and breakage.

The Daylight Saving Bill.

## coltor 'The Farmer's Advocate

the proposed Daylight Saving Bill. Last year a preaslin this effect was brought before parliament, and, aft and some of the Western members said they had day This to burn, the bill was very properly thrown out States some think they expect to adopt it in the United easily seen that the author of the Bill ie not . It nor does he understand fariu conditions, thes ber especially, when the farmer is asked to produce all he starving. Is the way, and to keep the people from best part of the day From five to six o'elock in the evening is worth two hours in the morning, especially, during haying and harvesting, as owing to the heav
dews with which summer climate it is too damp to do muche Canadia $\sigma^{\prime}$ 'clock. Of course s.me people think that the farme is a law unto himself and can make hours to suit con it would not have done the farms Bill had been passed time the farmer worked from sunrise to sunset havin tea between four and five in the afternoon. To-day onditions are changed and the modern farmer work spring opens up, say April 1, he gets up bet. When 5.30. By the time the stock is attended to and break hast over, he tries to get to the field about 7. With an being about nine and at haons works til six o clock, ning of April the sun rises about 5.30 and sets about 6.30. In September conditions are about the same Th an hour as the Daylight Bill If the clocks are put n an hour as the Daylight Bill proposes, the farmer
to have the same length of day would be up before the sun, just when he is enjoying his nap, or lying awak planning the work for the day. He would not get up any earlier than he does now so consequently he would
get about $81 / 2$ hours in the field before six oclock when the day would be finished as the farmer cannot be ex pected to go on working and his town and city brothers and sisters enjoying themselves. Standard time cannot
be improved upon for the farmer. If the town ar city dwellers wish to start work an hour earlier than they do, if they are in favor of it, it could easily be arranged at the factories, shops, etc., without changing the time farmers will bring their views before their we trust that so that when the Bill comes before the House it wil receive a speedy exit. I hope I have not trespassed
too far on your valuable space. We consider "The too far on your valuable space. We consider "The
Farmer's Advocate" the best farm paper published in Fhe Dominion and no farmer can afford to do without in

Simcoe Co., Ont.
Montreal District Milk Shippers Meet
Editor "The Farmer's Advocate":
The Milk Shippers Association, District of Montreal met in that city, March 19 . It was decided that the would be 30 cents per gallon, increasing to 32 cents for the month of September. The price for last October November and December was 30 cents per gallon, it is practically a mid-winter price that will it is practicaly a mid-winter price that will prevail
during the summer, in place of the usual reduction of four or more cents per gallon. sociation for 17 years is now retiring fary of the association for 17 years is now retiring from office on
account of pressure of ot her business. The increased
cost of feeds, cows and labor, he claimed, had not been met with a corresponding increase in milk, prices. Not withstanding the difficukies under which the milk as a patriotic duty, if they could only get sufficient remuneration that would allow them a decent wage. As it was, many of the milk shippers were not earning
anything on their investments. There was more profit in rais

There was more profit in raising beef cattle, sheep or
were also serious obstacles aside from the matter of profit. The shortage of feed in the districts supplying Montreal with
milk had been so great that farmers milk had been so great that farmers were feeding their seed from the West later. This was a perilous situation as there was a general shortage of seed grain.
Montrealers, Mr. Stephen contended, were getting Ameir milk at a lower rate than in most parts of the were the common prices in most American cities at present. Evidence of the trouble that dairy farmers were having lay in the fact that they were being compelled to pay less attention to the dairy and more to the ends meet. As a result, he expected a distinct decrease in the supply of milk to be forwarded to Montreal this summer. The farmers were not to blame. They
were the butt of circumstances over which they had no were thol
control
James Winter of Ormstown was elected secretary of the association in the place of Mr. Stephen, concerning whom a resolution was passed in appreciation
of his long and faithful services. Other officers elected were: President, H. S. Tannahill, Huntingdon; 1st Vice-President, Paul Denis, Como; 2nd Vice-President,

## The Shorthorn Sale at Kirkton

At the sale of pure-breds, held by A. N. Wits Kirlton, an of pure-breds, held by A. N. Wats m, horns sold for $\$ 100$ or over. The names of the purchasers are also given.
Blue Belle, Win. Brock, Centralia
Rosewood, Wm. Brock
Lavinia, Jos. Creesy
Evergreen Lass, John Hanna, Kirkton
Tipperary, Wm. Hanna, Kirkton., Cinderella, Jas. Moore, St. Mary's Red Rose, J. Pringle, St. M rry's.... Clover Blossom, Wm. Reed, Fullarton sabelle, J. Pridham, Russeldale Roan Lassie, J. Pringle. Rosalea, A. Pringle, St. Mary Cloverlea, J. Randal, Paris Ginto Lad 2nd, J. Randal. .i. ..... Model Lad, W. Sinclair, Woodham

## An Old Envelope

A communication was recently received at this to the subscriber in Advocate return envelope sent out of those among our oldest readers will remember the old illustrated envelope with its horse, cow, poultry, Advocate conce and the home life scene. The Farmer taken the counts among its subscribers many who have aken the paper more than three decades, some over four decades and a few over a half century.


Toronto, Montreal, Buffalo, and Other Leading Markets

Week Ending March 21.



Toronto (Union Stock Yards)
Toronto (Union Stock
Montreal (Pt. St. Charle
Montreal (East End)
Calgary
noted.
Market Comments. Toronto (Union Stock Yards) There was a liberal movement of cattle to the stock yards during the week , battle
sixty-wo hundred being on sile, three
thouand of sixty-two hundred being on sale, three
thousand of which were offered on Mon-
day, seven hundred on Tued day, seven hundred on Tuesday, sixteen
hundred on Wednesday and the balance on Thursday. On the whole, a week of active trading was experienced at prices
ruling from 25 ruling from 25 to 40 cents higher on all
classes of cattle, compared with values of
a week ago. On Monday a week ago. On Monday trading was very active and most of the cattle offered
were sold by early afternoon. On were sold by early afternoon. On the but on Wednesday the market was sommewhat slow, sales of medium and common
cattle being inclined to drag and many cattle being inclined to drag and many of
these grades were carried over to Thuss. these grades were carried over to Thurs.
day, on which day the market showed renewed activity at prices about steady with Monday's quotations. The quality
of the cattle was better of the cattle was better than for some
weeks past, many choice animals heing in the pens and induded was a spirinkling of beef cattle. Only a limited sprinkling number of
heavy steers were heavy steers were on sile; two head
these sold at $\$ 13.25$ per hundred, these she thad of fourteen head averaging twelve hundred and fifty pounds; shipped
from St. Marys. Ontario went from St. Mary's, Ontario, went to an outside buyer at $\$ 13$ per hundred, while a
few odd head also sold during the week at this latter fyure, and the majority of the offerings from $\$ 12$ to 812.50 per hundred. (of steers weighing from he number of head averaging eleven humitred day. On IVednestay, a hoad of Mon.
 mounts, \$12.in). (Cute a $n$ mberer of hatls
 Were mude of shles of chaice haby Bree

 seren humetral anil hifty imumels sold on


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Manch 28, 1918
THE FARMER'S ADVOCATE.
 to ${ }^{2} 3$ per humbred, the average price for trate in thios atos of sockic has not yet tarter and the supply is too hesvy low oth of gowi quality.
There wree harily enough sheep and wries were unchangel from those of hase peef, shumecol, anlling lambom at 817 to 813.50 Receipts of thysis while fairly liberal
 per humproll for low-run selects, of ca meightsinel and strong oondititon all week, tosing with a strongs tendency to advance. Thee pricss were paid only loo hoges
weiehhing from one hundred and fifty weindsis up.
Pr. Sr. (CuML.Ess.-Of the disposition
rom the Yards for the week ending March Tom the Yarts for the week ending March mutchers purchased 1,106 calves, 67 cannert and cuters, 29 bulls, 356 butcher Up of 29 milch shipmente were made ipments mate to United States points March 14th, inclusive, were 6.680 cattle 4,188 calves, 13,198 hogs and 4,087 sheep compared to 8,478 cattle, 4,907 calyes,
14,55 hogs and 4,520 shecp, received durEnge the corresponding period of 1917. fards for the week ending March 14th Canadian packing houses and local utcher caure, 455 bogs hand calves, 332 umbs. Canadian shtioments were made pipmen butcher cattle. There were no Iurinents made
The the week.
The total receipts from January 1 st to 3,172 calves, $8,4 \times 5$ hogs and 4,668 sheep, 11,351 hogs and 5,766 sheep reccived dur1,351 hogs and 5,768 sheep received dur
ing the corresponding period of 1917

## Buffalo.

All around at Buffalo the last week nyything in the steer line was advanced hoice anill fancy tiv forty cents and on was fully as much. The supply for the ppening diy of the week figures eighty
boads or 2 , (oon) head and fell below the needs. Recei, ts were light after Monday prevailed. There were around fifteen order, best of ofs of stecers on the shipping landed from $\$ 13.50$ fat cows, for Jexwish demand, sold at the of any class sprice higher and were ready $\$$ sale. Best handy t but chering steers sold up to
 of loads of sters, weighing around seven
hundral sestline selected lits of icecters are quotable up to
$\$ 10.50$. 13, II
market prices of thicse of of late wee was about steady, around $\$ 11$ tis $\$ 11.25$. springer trute frim for the best heavy
kinds, alnout steady on the medium and
com,
 totaled 2,47\% heard, as against 3,650 head 3,675 herre:sprnding week last year and
(outataium the like week a year ago.
 to $\$ 12.90$ iplain, 811.50 to $\$ 12$;very coarse
and compunn, $\$ 10.75$ to $\$ 11$.
 $\$ 11.75$ : common and plain $\$ 10$ to $\$ 11$.
Butchering
 mon sin :1 1.25 to s11.75; light and comto prime 12.50 to 810.50 ; yearlings, choice
ti $\$ 12$; fair to good, 811.75 $\$ 11$ ws. Ind 11 vifers- Best heavy heifers, $\$ 10.50$ tw $\$ 10.75$; fair butchering heifers,
$\$ 9.50$ tw $\$ 10.25 ;$ common, 87.50 to $\$ 8.25$;


## THE ROYAL BANK OF CANADA

 Reurrop Pundo 321,000,000
HEAD OFFICE, MONTREAL
Branches throughowt every Procince
of the Dominion of Canada
CCOUNTS OF FARMERS INVITED SALE NOTES COLLEGTED

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## The Farmer-Banker Alliance

You go to your lawyer for legal advice; to t.2e doctor for mecical advice; why not to The Merchants Dank forfnancial advice?
If you want a loan to buy cattle, hocs or equipment-if you want information as to how to invest money-come to those who make a business of financial mattcos, and are in a position to give you sound and impartial advice.

## THE MERCHANTS BANTK Head Office: Montreal OF GANADA Established 1884.

 Columbla serven Fural Cund mort effecilvely
WRITE OR CALL AT NEARST BRANCH.
 Bulls.- Best heavy, 810
good butchering, 89 to 99.50 .
Stockers and Feeders.-Best feeders 810 to 810.50 ; common to fair, 88.50 to 89.25; best stockers, 88.50 to 99 : fair
Bood 87 to 88 : common 86 to 89 , good, 87 to 88 ; common, 86 to 86.50 .
Milchers and S (small lots) 890.00 to $\$ 120.00$; in car loads, 880.00 to $\$ 100.00$.
Hogs.
Hogs. - Prices showed a bad break the
Core part of the week, but before the week was out the decline was fully regained Monday, when values went off 25 to 50 cents from the previous week's close,
light hogs sold from $\$ 1.50$ to $\$ 18.75$; heavies ranged from $\$ 18.20$ to $\$ 18.40$ and piss landed at $\$ 18.25$. Tuesday prices
were still lower, range being from $\$ 18$ to were still lower, range being from $\$ 18$ to $\$ 18.35$, heavies and pigs salling down
the low figure, Wednesday prices were jumped 25 to 35 cents, top being up to
$\mathbf{\$ 1 8 . 6 5 ,}$, and Thursday light hogs brought $\mathbf{\$ 1 8 . 6 5}$, and Thursday light hogs brought
$\mathbf{\$ 1 8 . 8 0}$ to $\$ 18.90$, heavies ranged from $\$ 18.80$ to $\$ 18.90$, heavies ranged from
$\mathbf{\$ 1 8 . 3 5}$ to $\$ 18.60$ and pizs $\$ 18$ to $\$ 18.50$, Friday the good weight hoys were general-
ly steady, bulk going at $\$ 18.60$, light grades were 15 to 25 cents higher, yorkers and
mixed grades bring ing from $\$ 19$ to $\$ 19.15$ and pigs, which showed the greatest
improvenent, ranged up to $\$ 19$ Rough
the the fore part of the week 8.1 ld around
$\$ 16.25$ and Friday they brought from $\$ 16.50$ to 16.75 . Sta Ts went from 814.50 down. Last week reetprs were
head, as asainst 21,113 head tor the week
before and 11,500 head for the sime week a year ago. Lambs. Last week started Tuestay's range on the best was from
$\$ 18.75$ to $\$ 1, .90$, Wedncslay nothing sold above 818.80 , Thurs 1 s.
stronger, top being 818.90 and Fel riday
the best \$19.15. Cull lambs ringed from 818 dow
 good culls, Sierlings were quated Fri
day up to sli. Sheep were sharce all
week. Wethers that were choice but pretty heavy sild at $\$ 14.50$ and a mare
desirable kind was quoted up ot 81.75.
dity Eesve range was from $\$ 14$ down. Monday
a load of resch cliped lamp made sis.5.5.


Calves.-All former American records for veals were broken at Buffalo last week. Monday choice lots sold mostly
at $\$ 19$ and culls went from $\$ 16$. Demand was very stronga a ter Monday and an advance
was noted from day to day. Friday, which
. was the record breaking day, best veals
 were 3,800 head, as compared with 3,053 head for the week before and 2,700 head
Ior the same week a year ago.

## Toronto Produce.

 Live stock receipts at the Union StockYards, West Toronto, Monday, March 25, were 186 cars: 3,446 cattle, 448 calves, 1,779 hogs. 135 sheep and lambs. Slow,
market. $B$ Butchers, 10 to 20 cents lower. Cows, steady to 20 cents lower. Bulls, drug on market - none sold. Calves,
sheep and lambs sold at $\$ 20.85$. Hogs, $\$ 21$ per cwt., fed.

Breadstuffs.
Wheat.-Ontario, No. 2, winter, $\overline{\text { per }}$
ar lot, $\$ 2.22$; (basis in store Montreal). Manitoba wheat, in store, Ft. William
 Oats.- (According to freights outside)

 01/8c.
Barley.-Malting, $\$ 1.78$ to $\$ 1.80$
Peas.-According to freights outside;
No. $2, \$ 3.50$ to 83.59 .
Corn.-American (track, Toronto), No,
yellow U. S. A. War B)ard Prohibit
Re... Mo. $2,82.50$.
Ren
Fags.) War - Manitoba flour (Toronto, new, flour (prompt shipment, new bags), war
quality, $\$ 10.70$, Montreal; $\$ 10.70$, Toronto. Hay and Millfeed.
Hay.-Track, Toronto, No. $1, \$ 17$, to
$\$ 18$ per ton mixed, per ton $\$ 14$ to $\$ 16$. Hack, Toronto. Bran.-Per ton, $\$ 35$.
Shorts.

Hides and Wool
Prices delivered, Toronto:
City Hides.-City butcher hidss, grom fiat, 12 c.; calf skins, green flat, $27 \cdots$ vel
kip, 18c; horse hides, city-oft, 85 to $\$ 8$. kip, 18 c ; horse
shidep, 82.50 to 85.50 .
 horse hides, country take-off No. 1 . 86
o 87 ; No. 2, 85 to 86 : No. 1 sheep skins to. $87.10 .2,85$ to $86 ;$ No. 1 shecp skins
$\$ 2.50$ to $\$ 5$ : horse hair, farners' stock, $\$ 25$ Tallow:- City rendered, solids, in
barres, ioc. to ilc.; country solids, in barrels, 16c. to 17 c c.; country solits, in
barrels, No. 1, 15 c . to 16 c .; cakes, No. Wool.-Unwashed fleece wool, as
 Farm Produce. Butter.-All class of butter kept
stationary in price, selling as follows on stationary in price, selling as follows on
the wholesales: Creamery, fresh-made
(rind pound squares, at 50 c . to 52 c . per 1 bc .
creamery solids, at 48 c . to 4 c . per lb.; reamery sidiss, at 4 c .
dairy, 35 c . to 4 cop . per b .
Oloemargarine. - 32 c. per b .
Eggs. Eggs. - The egg market also remained
practically stationary, No. 1 's selling at
 o 49c. per dozen, wholesale. Cheese.-Cheese remained unchanged
in price: old cheese selling at 30 c . per Ib.
 241 ². per 1.
Beans.
Beans.- Beans continue to be very scarce and therefore firm in price. Japan
ese hand-picked whites selling at $\$ 6.75$ per bushel.
Honey.-Honey is off the market. Honey--Honey is of the market.
Poultry-Reeveptry continue to be very Fat live hens, however, are expected to have an active demand during the
next week owing to the near anproach next week owing to the near approach
of the Jewish passwer. The following prices were quoted for live weight:
Chickens, milk fed, per lb., 30 . . chickens, Chickens, milk fed, per lb., 30 c . chickens,
ordinary' fed, per $1 \mathrm{~b} ., 24 \mathrm{cc}$; fowl, $31 / 1 \mathrm{bs}$,


 turkeys, old, per lb., 22c.
Potatoes. Potato
receipts have b Potatose- - Potato receipts have been
exceptionaliy heavy with a very slow
trade at slighty lywer prices. New Brus. trade at slightly lower prices: New Brunswick De awares selling at $\$ 1.90$ per bag
and Ontarios at $\$ 1.65$ to $\$ 1.80$ per bag wholesale-Cobbler seed potatoes keeping stationary at $\$ 2.50$ per bag.

## Montreal Produce.

Horses.-Farmers are evidently making preparations for their spring work, and
n this connection were enquiring for good plugs of mares at around $\$ 150$ each Carters
though tren also making enquiry
transctions were requent. Prices were $\$ 250$ to $\$ 300$ for heavy draft horses weighing 1,500 to
1,700 lbs.; $\$ 200$ to $\$ 250$ for light draft. ,400 to $1,500 \mathrm{lbs}$; $\$ 125$ to $\$ 175$ for light horses: $\$ 50$ to $\$ 75$ for culls; and $\$ 175$
$\$ 250$ for fine saddle and carrin
. Poultry:- Supplies in the market were light, and receipts from the country were almost nil, so that prices were firm
Turkeys were firm urkeys were firm at 35 c . to 3 3c. per lib.
while milk-fed chickens brought around that range als), while grod chickens
were 30 c . to 33 c . Best (ovi sid to 30 .. and from this the price ranged
down to 23 . Geese 25 . $27 c$. ducks. 26 c . to 30 c . Geese $2 x$. to 27 c .; ducks Dressed Hogs.-The m irket for dressed hogs continued to display a very firm
tone but prices were holding about steady. Abattoir, fresh-killed stock continued at 28 c . to $231 / 2$. per 1 lb ., while
country-dressed was available at 25 c . Potatoes.-The market experienced at
considerable decline owing to the milder considerable decline owing to the milder
weather having induced larger daliveries Car lots of Green M untains changed hands at $\$ 1.60$ to $\$ 1.65$ per 90 lbs., ex-
track, 20 cents being added to thess prices, track, 20 cents being added to thess prices,
per 80 lbs., ex-store, in smiller lots.
 quotable last week. No trading took place in the old crop, and the first of the
new crop was iust in the making thd new crop was just in the making, and
unquotable as a market. As for the weather, it is favorable but the woods are very full of snow. Prospects seem to be
for a good crop. Honey was not in active demand, No. 1 white clover comb being
quoted at 22c. per Ib.; No. 2, 19c. to 20c.,
Continued on one . 2 .


Easter Night

 On Fithen olump int hip On :
 Were hu-hnoi within the doat The Ahut wol huth, the wi...

## An Italian Easter







 in tull swo of the Detholde.

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



 athusht


 Hok Mr, whok. wht bink




Hope's Quiet
Hour
His Witnesses.


venient and the most needful at the front and we are asked to spare all we can of quantities can be sent over there. But what a splendid variety we have left! Brown breads, muffins and biscuits
of all kinds; brown nutbread and cake; of all kinds; brown nutbread and cake;
rice and other cereals for porridge; mutton poultry and fish of all kinds; vegetables and fruits; maple and corn syrup, honey and a reasonable amount of sugar as
well as a reasonable amount of white well as a reasonabie amount of white
flour! -If we can't make out good
meals on all those we deserve to go hungry. meals on all those we deserve to go hungry.
It is no hardship to eat brown bread It is no hardship to eat brown bread
and muffins.-And here I speak from and muffins.-And here, experience, for I haven't eaten half a experience,
dozen slices of white bread in the past year. If you don't believe me, just try
some good Graham flour bread muffins aw, with butter and syrup or jam as an a
and see how good they are.
Surely the boys at the front deserve
that we at least try to do this little, that we at least try to do this little, little service for them! If we are not
willing to do even this much, we should willing to do even this much, we should
be-well, heartily ashamed of ourselves to say the least. Think of all they are bearing!
Just here, will you who sympathize
with me in this view with me in this view of the situation,
help out in a way that you can, help out out
easily?
Will you please send me your very best
"war" recipe? Then we can have a whole
"war" isspe" so partment is concerned, and so, perhaps, we may help some people who would like
to cook with the things recommended but do not know how. I have already some more, but perhaps yours are better. And, anyhow, I think it would be more interesting to have a round-robin colNeedle Points of Thought. "Help the birds all you possibly service that entions, utterly fails to render."Our Dumb 1 nimals. is that best evidence of being learned F. Cope.

## What to do With Bullbs.

ARMRR'SADVOCATE:
Will you please answer through the What to do with bulbs, hyacinths,
daffodils and narcissi? They have loomed this winter. Will they bloom this summer if planted be kept in order to have them ready to bloom next winte
Simcoe Co., Ont. Mrs. J. S.
Bulbs that have been forced in pots on the winter cannut be expected in poots the next summmer, but may be planted in
some out of the way place where in some out of the way place where, in
time, they mayy develop. To have
bulb flowers in the eloren bulb flowers in the garden one must
plant fresh firm bulos in fall or early spring. After that they may be left
undisturbed fur s me time undisturbed for ssme time except to
thin them uut if nevessury. Eben Re. thin them sut if nevessury. Eben Re,
ford says: "It is not nevissary to take up your bulbs each seassa as some seem undisturbed tor two or three years ripened, litt them after the foliage has away until fall, when tney are reset in new beds. The beds where bulbs grow
can be utilized for annuals making it necess.ry to disturis the bulbs which will have completed their flowering
before it is before it is time to put out the annuals. The soil can be stirred with a garden
rake, taking care not to penetrate far care not to let the teeth
with the bulbs.
Papering Rooms.
Dear Junia.-I am thinking of
papering two rooms this spring. One
is a parlor with two windows facing the
east; the other is a dining-room with
one window hining the south, with an
arch-way dividing the two rooms. This
refers to a country house.

1. Would it be advisable to paper
both alike or rlifferent, if so, what shade
of paper would be best, both rooms are
painted a silver grey?
2. What ollored rugs would match
the paper best?
Welland Co., Ont. ATtentive Reader.

Personally I should like both of the cloth or camel's hair brush and a pure
rooms done in the same paper, provided mild soap when washing
the mater in quite good taste to have But it is wards apply an astringent such after different, in such a case, if it is made mers water. Eat good plain food, avoiding
sure that they hastron sure that they harmonize. Sometimes it rich pastry and two much grease. Guard room is much darker than the when one pure water. A lotion that may be of when the exposuresare markedly different. plied directly to the pimples two or Papers in honey color, amber, chamois, sand, and tobacco brown are all much avored this spring, and very pretty scarcely "go with"" your silver gray would
would they? -So we shall have to think would they?-So we shall have to think
of something else. Really your gray paint is very difficult.
About the only About the only thing that wiil go with
it is paper of the very same shade, or
with with the very same shade pred smade, or gou might pessibly find this best in a tones-not a sharp or defined pattern, you understand. With plain gray paper you would have to add a bright nute in a border, and in rugs and curtains. The
border, for instance, might have design in very soft pink with green leaves then the curtains and cushions could
be of chintz, also in pink roses and green leaves. also in pink roses and The rugs, with silver gray walls and
pink relief might be a very dull old ruse
or or, possibly, a very quiet olive green if
of the very right shade. three times a day, is the following: Mix
together 2 drachms together 2 drachms flowers of salphur, glycerine, 4 ounces rosewater. 1 ounce

The Child
We have received from "A Mother" is so long that Co., Ont., a letter which in which to give the whols of space to-day s.abstance is that the mother of a large lamily should be honored, and large sspecially in this war-time, which has world, it is the duty of of momen in the children, which are, after all, a comfort and joy:-To all of which, the readers The majority of sensible folk, give ussent. agree that a large family is a very good sight to see-so long as the parents are healthy and the children can be piven
a good chance to start the battle of life. Te are sure "Moth Mr " will agree that a
child handicapped from the very start

Easter Cookery.
ordinary bread dough (preferably buns of with milk instead of water) and to it ad a little butter, sugar, raisins or currant
an an egg. Shape into round place in well-greased pans about 2 inche apart. Let rise, glaze with a little milk sharp knife score a waser, and with a Bake 20 minutes, from the oven brush with sugar moistened with water. While hot fill the cross with plain frosting.
Scalloped Eggs with Potatoes.-Take
cold potatoes, 4 hard 11 cold potatoes, 4 hard boiled eggs onion, some buttered crumbs. Cut the potatoes into dice and chop the eggs
coarsely. Prepare the whit mixing together 2 tablespoons suce by the same of flour, $1 / 4$ teaspoon pepper and over teaspoon salt. Stir these together over the fire until the butter is melted and
mixed smoothly with the flour thenadd milk, a little at a time and cook until the boiling peint is reached,stirring constantly. Continue to simmer for 5 minutes, then add the grated onion. Grease a baking a layer of chopped egg, then a layer of sauce, proceeding in the same way until all is used. Sprinkle buttered crumbs over
the top and bake 25 pare the crumbs mix them with melted
butter. pare the
butter.


Allenby Entering Jerusalem


## Poems Wanted

Wyill anyone who has a poem on "What or "The power of the cruss in Asia",
kindly send it to Milton Down, Ayton,

by disease and povert; is one of the "Mi,ther" (lisse with a poem which is very beautiful. Its title " is "A Child", "Ariter. litte child-a anity Wakening echoes from far ages past That still endure t!rough all the spaces Peopled with shades who once this sad earth trod.
A child to love, , lift us from the clod, To curb our taults, our virtues to expand To show us where fair flowers of Duty nor To bid us run, and sing-forget to plod
1 Sceking for Truth, and holding without The balance fair 'twixt righteousness and fraud litle little chind in loving kindness given,
o me, childlike, to my home in
heaven.

4 ewiss Eggs.-One tables;oon butter, 4 eggs, 3 tablespoons thin cream, some
grated cheese and some thin slices of grated cheese and some thin slices of in an earthen or other baking dish that can be sent to the table. Spread with cheese sliced very thin. Break in the
eggs and pour the cream over. Season eggs and pour the cream over. Season
with salt and pepper, sprinkle the grated cheese over the top, and bake in a moder ate oven until the eggs are just set.
Serve very hot. Lemon Crumb Pie.-Line a pie with pastry and fill with the following mixture:
Take grated rind and juice of a lemon, Take grated rind and juice of a lemon,
$3 / 4$ cup water, $1 / 2$ cup sugar, $1 / 2$ cup corn 4 cup water, $1 / 2$ cup sugar, $1 / 2$ cup cor
syrup, 2 egg yolks, cup fne bread crumb weet cooking fat Melt the fat, mix all ingredients with it, and pour into the pastry. Bake slowly until the crust
is browned and the filling firm. When done cover with a meringue made from the stifly beaten egg-whites to which
have been added 4 tablespoons powdered have been added 4 tablespoons powdered
sugar, $1 / 2$ teasp.on lemon juice, and $1 / 4$
teaspoon grated lemon the meringue and serve hot.

Economy in Cake-making.
$W^{\text {ITH }}$ and all the of milk, butter, eggs and all the other ingredient
used in making cakes soran minusly upwards, we must, or should world keep them on the table way if we buckwheat and cornmeal cakes, Grahem sems, oatmeal cookies-in fact, any cake sems, oatmeal cookies-in ract, any cake
which does not require a full complement of white flour should not be dispensed
with at the pree ent time with at the present time It is with the
object of showing how cakes can be made object of showing how cakes can be made
at slightly lessened cost-cakes that are as palatable and more ligestible than the more e epensive ones, that I am telling of some of my -not war-time economies,
but ones first used brcause of sudden shortages of ingredients when miles away from a store, and adhe:ed to because I liked the results of the economized recipes
better than those of the orivinal ones Even on a dairy farm it is possible to run short of milk, as I found to my sorrow one day, when, after telling two
visitors, who were calling on me for the first time, of the wonderful equipment in our recently built milk house. I asked them most cordially to have a glass of
milk. My feelings, upon reaching milk. My feelings, upon reaching the
building and finding the tank in which usitally stood a can containing the leftover milk. empty, can better be imagined
than de;cribed. On my way back to the Chan deicribed. On my way back to the nouse 1 remembered that the man who before leaving that the morning's milking had just filled the last eight-gallon can I vowed that day that $\Gamma d$ see I was never been times when I had to economize in using milk for laking. It was on one of those days that I discovered that in half
milk and half water is used in making milk and half watcr is used in makin


## LACK OF FOOD-THREATENS THE BATTLE LINE


'The food wanted by mankind does not exist.
'The word 'shortage' is not strong enough.
ONTARIO
"'The whole world is up against a nasty thing, familiar to the people of India, called 'famine.' ' - Lord Rhondda,

Britain's Food Controller. One year ago, only the enemy was on rations.

To-day, Great Britain, France and Italy are on rations.
To-day, Germany controls the wheat lands of Roumania, Russia, Poland and Ukrania.
To-day, the shadows of hunger, famine, disease and death hang over the Allies.
Upon the 1918 crop from Canada and the United States depends the fate of the democratic peoples of the world.
If that crop is sufficient the Allies can be fed
If that crop is not sufficient the Allies may have to accept a German peace.
That Battle-Line in France and Flanders Must Not Want
Do you realize what a German peace would mean to Canada?

Germany covets our natural re-sources-our agricultural and mineral wealth, our forests, our fisheries, everything that is Canada's.

Germany won't be satisfied with European territory, with teeming masses, wrangling factions and depleted natural resources. She wants colonies - big, thinly-populated countrics in temperate zones for her sons and daughters to go to propagate their kind.
'I he Kaiser would sacrifice millions of Cermans to-morrow if he thought that by so doing he could set loot on Canada's shores as Conqueror.
And what's more, the Germans would offer themselves for the sacrifice, so great is their subjection to the military ideal.

7 he only thing that balks German ambition is that battle line from the North Sea to Switzerlandand the British Navy
The Only Thing That Sustains
Our Men on Land and
Sea-is Food
What are we, each one of us, prepared to do to insure that Food Germa
Germany, by her submarine cam-
paign, has seen that great Armada, the British Mercantile Marine, shrink in volume.
Germany has seen South America, Australia, New Zealand, India and far away outposts of the Empire practically cut off from supplying food to the Motherland because of the lack of ships.
Forty million Allied men and women having been put on war-work, food production has dangerously decreased in Europe.
These forty million consume more food than when they were in ordinary occupations, and there are fewer men for farming. Hence an increased demand for decreased supplies.
The harvest of France was onethird less in 1917 than 1916, and this year must be smaller still, owing to lack of fertilizers, which cannot be supplied through shortage of shipping.
The world's decrease in live stock, as compared to 1913, is approximately $115,000,000$ head.
The heart of this problem
is labor.
Without more farm labor
more food cannot be produced.
If you really want to serve
your Country in a big, practical
way, register now for farm
labour, or urge and assist your
male employees to do so.

## Herbert Hoover Says:

"Our European Allies are dependent upon us for greater quantities of food than we have ever before exported. They are the first line of our defence. Our money, our ships, our life blood, and not least of all, OUR FOOD supply, must be of a common stock.
"In pre-war times, Britain, France, Italy and Belgium yearly imported more than $750,000,000$ bushels of grain, plus vast quantities of meats and fats.
'The submarine destruction of shipping has made it necessary to abandon the hope of bringing food from South America, Australasia and India.
"Food must, therefore, be shipped from Canada and the United States the nearest and safest route.
Canadian and United States supplies are normally $350,000,000$ bus. short of the Allied needs. By greater production and conservation Canada and the United States must combine to increase the export of grain by $150,000,000$ bushels.
"The remaining shortage of 200,000,000 bushels must be overcome by greater reduction in consumption in the allied countries. And this is being done by Britain, France and Italy rationing her people.
'From two and a half years of contact with the German Army I have come out of the horror with the complete conviction that autocracy is a political faith and a system that directly endangers and jeopardizes the future of our race that threatens our very independence. It has, however, been able to command complete inspiration of devotion and self-sacrifice in its people to the interest of their nation. The German farmer, in the name of the Fatherland, supports a nation two-thirds as large as the United States and threatens to subject the world from an area one-half the size of Ontario.
"My vision of War is not of an academic problem to be solved by discussion. To me it is a vision of brave, dying men and suffering women and children, for service on whose behalf the greater exertion of the Allies' farmers comes in a direct necessity and a direct plea. The Canadian and the United States citizen who sees war as I see it, needs no inducement and no inspiration, but the thought that every spade full of earth turned and every animal reared is lessening human suffering and guaranteeing the liberty of the world.'

## Lloyd Ceorge's Warning

"I fear the disciplined people behind the German Army, the rationed family and the determination of wife and sister and daughter and mother to stand and starve - so that their fighting men may be fed-I fear it more than the Imperial German Army itself.'

Britain is now on Food Rations.
France is now on Food Rations. Italy is on the verge of starvation. Only continuous support from us can enable us to hold out.
Only with a disciplined people behind can we hope to win. The rationed British Nation, blood of our blood, bone of our bone, are proudly paying the price and sharing with France and Italy their limited stock of food. For in this there is mighty pride, a conscious measuring of their glory with the best traditions of Noment Sparta, and of Imperial Nome, for Britons know that upon them rests the burden of saving humanity. The story of their service shall ring and echo forever along the hilltops of history

## TO SEND MORE FOOD TO OUR ALLIES IS NOT CHARITY

It is War. The Allies have a right to demand it. They have a right to resent the offer of only what is "left over." Those who are fight ing the common battle for civilization and for our protection have a higher claim than had Lazarus, to only the "crumbs that fall from the rich man's table.
The Canadian people must recognize that our Allies have the first claim on our food supplies.

As the shipping situation makes the Allies dependent upon the North American continent for food, it is vitally necessary that Canada should increase her production of food in order to take a larger part in providing for the Allies' requirements. This is especially urgent as the maintenance of a large United States Army in the European field will cause a very heavy drain on that country's resources.
There must be no peace without victory
For nearly four years Germany has been struggling against the powers of law and order. She has failed so far to make good her escape with her booty by superior strength and skill. And now she is attempting by intrigue, suggestion, device and propaganda to divert the attention of her antagonists from the struggle itself, and thus to gain her ends by relaxing the strength and skill of her antagonists
What she can gain from these tactics is plain to all the world in the sorrowful experience of Russia.
Germany's most dangerous weapon is not her Zeppelin-that is obsolete. Not her submarine - that can be overcome. Not her machinelike army - that has been repeatedly hurled back by the living armies of freemen. Her most dangerous weapon is her propaganda of peace.
While with her hands she murders and despoils, with her voice she invites to parleys.

## When Liberty is in Peril There is I hreat of Lasting Disaster

 in the Very Word "Peace"Lord Leverhulme, long known in Canada as Sir William Lever, who knows well the German mind, in a recent interview stated
'You will never be able to dictate terms to Germany till she is beaten. The argument you mention is founded on the dangerous fallacy that because Germany is sick of this war she is sick of war in general. She isn't. I doubt if her Government is even sick of this war. You've read
the speech of that old brigand Hertling. Is there any sign of repentance in that speech? Is it a chastened speech? Is it the speech of a statesman who wants disarmament and a league of nations? No! Germany is back in her mood of 1914. She believes she is winning the war. She believes she has won now. And if we talk of peace to her she HAS won it. Why, it would be better a thousand times that every man in England should be dead than that Germany should issue from this war with the feeling of a conqueror. You hear people use the phrase, 'to the last man, and the last shilling,' and you think it is only a bit of rhetoric, but to my mind it's the most solemn and absolute truth. I mean when I say it that it would in very truth be a million times better for the people of these islands to be dead, every one of them, rather than live on as the serfs of a triumphant Prussia."
How can any lover of liberty remain insensible to this peril?

Food means Victory and the world made safe for democracy
Lack of food means disaster and subjugation to Germany.
The Citizens of Ontario Must Lead This Mighty Crusade for Greater Food Production
They did it last year and will do it again.
As the greatest food-producing Province, Ontario must maintain her leadership in America. Great are our opportunities our responsibility is tremendous.
Upon every man and woman, boy and girl, rests a personal obligation to serve. Every pound of food produced, in whatever form, is a contribution to the Cause of Freedom. Ontario farmers should sow 500,000 acres of spring wheat.
Every Ontario farmer whose land is at all suitable should put an extra five acres into wheat, even at the expense of another crop.

## What YOU Can Do to Help

At all costs production must be maintained.
That's why farmers and farmers' sons are being exempted from military service. Working on a farm is equivalent to service in the Second Line Trenches.
To enable the farm to do the work two factors are essential. The first is Time. Whatever we are to do must be done at once. Nature waits
for no man. The second is Labor Many farmers cannot plant the acres they would because they cannot get the necessary help. Many are afraid to increase their acreage because they fear they would not be able to cultivate and harvest an unusual crop after they had raised it.

The burden is not one to be placed solely upon the farmer. Neither can it be placed upon the townsman. It is a personal obligation upon every man, woman, boy and girl, in every farm, town and city home in the Province of Ontario.

AWAY WITH CRITICISM-CO-OPERATE! Mr. City Man, don't say that the farmer should do so-and-so, and thus allow criticism in this hour of our Nation's peril to cripple your effort.
Mr. Farmer, don't hastily underestimate the value the city man can be to you.
Get Together in the Fight for Liberty
Let us not lament what MIGHT be, but earnestly face what MUST be,

Fifteen thousand boys between the ages of fifteen and nineteen must be organized as "Soldiers of the Soil" to work on Ontario farms this season.

Farmers can get one or more of these boys by applying to their District Representatives or to the Public Employment Bureaux at Toronto, Ottawa, Hamilton or London.
Unmarried men, exempted from military service, are urged to take up farm work. Married men who have had previous experience on a farm are urged to resume farm work for a season. Employers of labor are asked to assist men to take up farm work.
We urge the farmers and the townsmen to get together for greater production in the interests of a free people and democracy.
Let the Organization of Resources Committee, your District Representatives or the Public Employment Bureaux act as your intermediaries.
When we have done our best, the cry for food cannot be wholly met. For the rest - our Allies are tightening their belts.

Organization of Resources Committee - Partiament Builidings, Toronto, Ont.
C.V.O. Leutenant-Giovernor of On Herndrie, K.C.M.



The only thing that balks German ambition is the Battle Line in France and-the British Navy The only thing that sustains our men on land and sea is Food

## Fresh Running Water



For Farm and Country Homes

Just turn a faucet, and the water gushes out in a fresh, pure, abundant stream.

Think of it! No more water to carry by hand for drinking, cooking, washing, scrubbing or for watering the stock. Isn't that a convenience that In no other you invest the same as by the purchase of an

## Empire swripur System





## Write For Free Booklet

 Emp want to tell you about the many advantages of theEntem. Our free booklet gives descriptions and illustrations. We will also send you an Infornation
Blank, which, when filled out, will enable us to send Blank, Which, when filled out, will enable us to send
cou full particulars and the cost of a system adlapted to
 Branch Office and Warehouse. 119 Adelaide St. W., TORONTO, ONT.

Important Credit Sale
Clydesdales—Shorthorns—Cotswolds—Yorkshires
and Farm Implements


THURSDAY, APRIL 4th, 1918
King. Three registered
threevear-ld and a nine
Gartly and imot
regist
and
Mast
Mastodon, and Sup)
eves, t
will be
and eis
machinery. witlore go thigs.
will be sold
win

Barrie the day of sale.
JAS. A. CALDWELL, shanty bay, ontario


quickly we could not save him; with
Onestake he was dead s.
He we He was onay dead litile animal but we
loved him dearly and could not het the tears comingy as ane bould not help
th tia stone ing as euricd himu under
and a big stone in
with a stowers.


Dear Puck- -1 am a book -worm and

 Chaph Coonnor (otherwise the Reverend
Charte william Gordon), James Fenit more Copert, Jules veri, s. Sires wani-
Scoot, Andrew Conan Dosic and Viter
Sitor Hugo
Kilph Connor is a Canadian writer.
 have not read it. "Glengary School are scenes from the vicininty of the oftave River. "Corporal Cameron"' "The
Patrol of The Sun Dance Trail" and "The Patrol of The Sun Dance Trail" and "The
"Foreigner" are stories "Foreigner" are stories of settlers of
Western Canada. In all his books Ralph Costern Canada. In all his books Ralph
Connor paints a very true picture of I have read some of Dicken's works and 1 find the "Tale of two Cities" and "Romola" by George Eliot is also a Russian Literok. "The Great Masters of Russian Literature" by Ernest Dupuy is a information about the lives and works of three of Russia's greatest writers
Gogol, Turgenief and Tolstoi. Wave -Gogol, Turgenief and Tolstoi. Have
any of the Beavers, read the new story
" "Kitchener's Mob"? It is a soldier's James Fenimore Cooper, in hex books The Deerslayer", "The Last of the tells much of the nature of the North American Indian. "The Pioneers" and The Prairie" tell of the steady advancement westward of the settlers.
Jules Verne is a mystery. "Around the World in Eighty Days", "Twenty Thousand Leagues are books that will stir the iman Antifer of the reader. writer. His poems is a very popular Last Minstrel"" (1805), "Marmion" (1808)
and "The Lady of the Lake" of the warfare carried on by the High land chieftains. Quentin Durward (1823) is a description of "France during the
reign of Louis XI. "Ivanhoe" (1830) is an account of the Norman barons and Saxon Franklins in the days of Richard the Lion Hearted.
Andrew Conan Doyle is both writer and politician. His detective storie
especially "Sherlork Holmec" are widely read. "Micah Clarke" is a tale of the "Tonmouth Rebellion against King James. surprises South America contains for the explorer. Wictor Hugo is a French writer whose
hooks are very widely read, especially, books are very widely read, especially,
"Les Miserables". "The History of a
Crim., Well, I must not take up too much From a friend,
Elden Stoltz, (age 13). Cou certainly have made a good
clection of books, Elden. It has been
great pleasure to read your list

Junior Beavers'Letter Box. rst letter to the "Farmer's Advocate" and I hope I am able to write another one or qave taken "The Farmer's Advocate" much pleased with it. I have five brothers and two sisters. I go to school every day and I am in the senior second class. We had a concert at our school on Christmas
and 1 said three recitations. There are sixtcen pupils coming to our school.
The name of it is S. S. No. 4, Usborne. $t$ is a very large one and the teacher's leacher. I live half a mile from the school I have read many books; the names of ortv Thieves are: Ali Bab and The and Girls of other Girls. I guess that is all I can think of this
ime. Hoping that my letter is nicely time. Hoping that my letter is nicely,
printed in 'The Farmer's Advocate" ading up my story with a joke:
A sailor was testifying about the
explosion of a gun on a war vessel-an
explosion which had sent him to the hospital for some months. "Please give me your version of the explosion", he
was asked. was asked.
the gun, there was an awful racket, and the gun, there was an awful racket, and
the doctor said: "Sit up and take this." Garfield Thomson, (age 9).
R. R. No. 1, Centralia, Ont. Dear Puck and Beavers.-This is my
second letter to you charming Circle.
I did not see my first letter in print but still have courage to write again. For
pets I have a team of ponies, a heifer two cats, and two dogs. I go to Elgin
school. Our teacher's name is Miss school. Our teacher's name is Miss
Duffeld and I like her fine. She seems to take great interest in our work and
helps us all she can. I would like some of the Beavers to write to me. Hoping the w. p. b. is asleep, I will close with a Which death would you prefer to die-
oan of Arc's or Mary Stuart's? Ans.Most people prefer Joan of Arc's because chop. Elgin , Ont. James Robert Powel.l.

Junior Beavers' Honor Roll.-Wilmont
 Ettyville, Ont.; Hazel Robertson, Elder's
Mills, Ont.; Annie Davidson, Markdale, Ont.; Genevieve McPhee, Park Hill, Ont.
Harold Kirkpatrick, Petrolia, Ont.

Beaver Circle Notes.
if Mabel I. Martin, Denfield, Ont., says she will reply as soon as possible Puck hopes that every Beaver who
has won seed in the competition will a letter to the Circle about his or her Genevieve McPhee, Park Hill, Ont., wishes some of the Junior Beavers to
write to her.

## The Dollar Chain

For the soldiers and all who are suffering Contributions from March 15 to March
22: J. B. Krauskoff, Dublin, Ont., $\$ 1.00$; M. Thomson, Mildmay, Ont., $\$ 2.00$; Fred Robinson, Victoria Harbor, $\$ 1.50$;
Alex.
Bell, Milliken, "Charity", Watford, Ont., $\$ 10.00$

Total to March 22.
$\xrightarrow{2}$
. $85,350.40$
Findly address contributions to The
Farmer's Advocate and Home Magazine,
London, Ont
Current Events
Spring farm work has begun in South
Saskatchewan, the earliest in 7 years.
Camada's parliament, which was form-
ally opened on March 18 , contains 122 new representatives and 100 from the Sir Cierrge Foster has introduced a
resolution providing that vegetables be sold by the pound, that a dozen of eggs
weigh 11 , lls., and that packages con-
taining fond be marked with the names and adressis of the fillers, and the weigh
measure and quality of their contents On March 20 Sir Robert Borden
introducel a bill to extend the franchise
to all wemen on the same terms as men, only the si married to an enemy alien
being dis'runchised. Women will mot,
however, he permitted to be candidates
for seatsinthen John Dillom, the new leader of the
ation,
 Low evident that the great battle
now goink on in Europe, the most terrific
ot the big drive so long threatened by the
Germans.
The Kaiser has on tominaly at least, assumed command of his armies Prince, Field Marshal von Hindenburg launched on Marderff. The attack was British lines over a front of 50 miles
chiefly chiefly along the battle-worn Somme front while a smatler attack was at the same time made in the pres sector. Now battle, hurling themselves in the solit formations which are so destructive to
life, but of which the Kaiser and his leader life, but of which the Kaiser and his leaders
reckon nothing so long as their objective
is German military caste are out fors, The even if to gain it they must destroy the
people to people to whom they have promised it slaught, which centered at great on the thinnest part of the line, held by of Sir Julian Byng and General Goughthe British were greatly outnumbered with the result that the Germans broke
through three lines of defence where also, the lines of defence. Elsethat at time of going to press the enemy and varying in width from 3 miles to $141 / 2$ miles just west of St. Quentin. The British lines, which retired in excellent
order, fighting furiously and inflicting order, fighting furiously and inflicting
heavy losses on the enemy who were
obliged to obliged to advance over thousands of their own dead, reached positions pre-
pared long before, and for the pared long before, and for the past two
days have been holding firmly and fighting with the greatest gallantry, while reinforcements are coming up in great numbers. As yet it is not known whether the
Germans contemplate driving through to Amiens and thence to the coast, or following the valley of the Oise down to Parispossibly the latter since during Saturday
and Sunday the city has been bombarded by shells said to be aerial torpedoes fired
Crom a point 76 miles away. . Truly
climax of warfare, and yet both British
climax of warfare, and yet both British and
French are calmly optimistic. The aims
French are calmly optimistic. The aims
of the German autocrats have been
thwarted before this and may be again,
to their confusion
to their confusion. Deeds of the most
heroic valor and sacrifice are being daily
heroic valor and sacrifice are being daily
reported from our armies. In several
instances small bodies of men have de-
liberately sacrificed themselves to secure advantage to the rest of their divisions.
Some London and Irish, too, have distinguished themselves by defending redoubts and outposts after they were en-
tirely surrounded tirely surrounded by German troops,
pouring out machine gun fre for hours Ceen Canadians, apparently, have not yet the strip of country between Lens an venture of their own, having carried out the greatest gas bombardment in the were beaten off with heavy losses.
Before this reaches its readers man Before this reaches its readers many more
events will have taken place, for still the events will have taken place, for still the
battle rages with unabated fury.
In Russia, notwithstanding the fact that In Russia, notwithstanding the fact that
the peace signed by Premier Lenine and
F Foreign Minister Trotosky was ratified by
the Congress of Soldiers' and Woekmen's delegates, German troops are pushing on
towards Moscow. Also they have entere Nikolaiev, the chief grain storehouse of
Southen Russia. As yet the Japanese
have made no move into Siberia, but the. are ready and only await the assent of the
United States to take active part in the

## has made another victorious adva ac three Turk towns falling into his h.mds.




\section*{| POUNTRY |
| :--- |
| COEAGS AR |}



## 32 cents 30 cents <br> $\underset{\substack{\text { For chickens } \\ \text { (dressed) }}}{ }$

Above price paid by
WALLERS, 702 Spadina Ave., Toronto Write for price list.
Rose-Comb Rhode Island Reds
 Our Serial Story

An Alabaster Box.
by Mary e. wilkins rrerun and florence
Mors
By arrangement with McCletland, Goodchild \& Stewart, Publishers, Toronto, Ont.
CHAPTER XIX. - Continued. He sprang from his chair and began pacing the room.
Wesley Elliot stared at his visitor without speaking. He perceived that the man dragged his feet, as if from excessive "I had no thought of such a thing,"
the stranger went on. "I'd planned, a the stranger went on. "I'd planned, as
a man will who looks forward to release and see my old neighbors. I wanted to have them in for dinners and luncheons
people I haven't seen for years. She nows them. She can't excuse hersel He stopped short and eyed the minister, slow grim spreading over his face.
"The last time you were at my house had a good mind to walk in and make heard you talking to her. You admire ny daughter: that's easy to sec; and she's
not such a bad match, everything con
"Who are you?" demanded the young nan sharply:
"I ame a man who's been dead and
uwried these eighteen years," replied buried these "eighteen years," replied
the other. ant I'm ative still!-very
much alive; and they'll find it out ". An ugly scowl distorted the man's
pale face. For an instant he tarted mase face For an mstant he started
past Weiley Filion, his eyes resting on an
irregular sploteh of damp on the wall. "I'm alive," he repeated slowly. "And for Whe are yon?" asked the minitier For all his superior height and the
-inewy trength of his young shoulders
he beganto le af ef he began to be afraid of the man who had
ome to him out of the storm. There
vas something strangely di-concerting, en sinister in the ca, elews movertents
his pale hand and the sulden light-
ng dart of his eyes, as they shifted


548

 Must be fully qualified.
H. W. RICHARDSON, KINGSTON, ONT 4 DUAL-PURPOSE SHORTHORN BULLS "Oxford Butter fly", from, good color, sired by also Registered Clydesdale Stallion, rising 3 years,
from imported sire and dam. Shakespeare, Ontario
J. M. McCallum,

## CREAM

We are in the market for Churning Cream
Twenty $y$-five yearssexperience should count.
You'll find it in our service ASK for Prices
The figures of
for tomorrow

The Toronto Creamery


3 Imp. Clydesdale Stallions

## Seed Beans

or sale- 810.09 per lnitil. Hhs tree
Adam Bingham, Millbank, Ont For Sale - Clydesdale Stallion Dan. Spencer $(16,650)$, foaled d,
av stripe, four less white best,


THE FARMER'S ADVOCATE
 any property you can name worth Years-God! such years!" stood the girl, and as he thought of her shrinking aloofness standing guard over fiction, something hot and wet blurred his eyes. He was scarcely conscious the name with which he had become hatefully familiar during his years in
Brookville, was still speaking, till a "There's no reason under heaven. why You should not marry her, if you like.
Convict's daughter? Bah! I snap my
fingers in their faces. My girl shall be happy yet. I swear it! But we'll stop all this sickly sentimentality about
the money. Well-, An immense yearning pity for Lydia had taken possession of him; but for
the man who had thus risen from a dishonorable grave to blight her girlhood he felt not a whit
 sternly, "You'd far better go away and "You'd like that; wouldn't you?" said Bolton dryly.
He leaned forward and stared the young man in the eyes.
"But she wouldn't have it that way. Do but she wouldn't have it that way hear of it. She expects to make it up to years of hell with a few pet names, soft bed and-"" Cried Wesley Elliot, with a
"Stop!"' gesture of loathing. "I cant listen to "But you'll marry her-eh?" whining monotone. He even smiled :"You'll excuse my ranting a bit sir. It's natural after what I've gone through. rouse never been in a prison, maybe.
And you don't know what it's like to shake the bars of a cell at midnight and how out of sheer madness to be off and
away - somewhere, anywhere!",
He leaned forward and to wet minister on the knee.
"And that brings me back to my idea in coming to see you. I'm a level-headed situation see-and I've been thinking the
$\qquad$
$\qquad$
$\qquad$
$\qquad$ ton, when there are hard realities to
face. I see you don't agree with me:
domestic ness? You're dead right. I'ru all of that; he part of a doting father. Int play could, before I got out: but I gan' Twice rIve been tempted to knock her down, when she stood between me and he door. keep cool; I didn't do it but to harvard of myself, I tell you. I've got to have my liberty. She can have Lydia's got money. I don't know how much. My brother-in-law was a close man. Never even knew he was rich thought. Do square accounts, as she nought. Do they thank her for it? ot much. I know them! But see here, then give me ten thousand dollars, like 'll clear out. I'm not a desirable father But I'll guarantee to disappear, ono Glint is settled. Is it a bargain?" Elliot shook his head. Bolton flung up his hand in an in "I stood in the way", he said. "Sh was thinking of me, don't you see? But if I get out-Oh, I promise you I'll make
myself scarce, once this matter is settled " myself scarce, once this matter is settled." "What you "propose is impossible, on "am sorry-" Why impossible?" shout ed B bolton, in a sudden furs: "You've been courting my daughter-don't try crawl out of it, now you know what am. "'ll not stand in the way, I tel He stopped short, his restless eyes figure: "Oh, I see!"' he sneered. "I begin to understand: 'the sanctity of the cloth' perhaps sacred calling'-Yes, yes! And perhaps my price
Elliot sprang from his chair and stood over the cringing figure of the ex-convict. smothered voice; "but you are an old understand what you've said, perhaps; and I'll not try to make you see it as I

But the look in the fond of my girl, eyes stopped him. His hand sought his "Have you any brandy?" he asked feebly: "I -I'm not well. . No
matter; Ill go over to the tavern. I'll have them take me home.
all this; don't feel like walking

## Gossip

## A Big Sale

Attention is directed to the big sale advertisement in another column in this issue, to be held at Lot 20, Concession 3, James A. Caldwell, of Shanty Bay, is selling at this time and place his entire farm stock, implements, a fifty-acre now and a thirty-four-acre pasture farm. In the live stock are included two
choice, registered Clydesdale stallions, with five registered dams and by
Imported Solway King, a horse which
will the included in Wire registered Clyde hale females induding a two-year-old filly, a three-yearsired by such good sires as Baron Gartley Work horses will go to the highest bidder-
In registered Shorthorns there are ten head of young females by such sires as Imported and Superb Chief. These young cows bring good prices. One bull, Royal are twelve registered Cotswold ewes,
three registered ewe lambs, and one fostered ram lamb, and in pigs there the three registered Yorkshire sows, well bs. The farm implements and mafinery are all in good repair and include Tithing necessary to work a large up-

## Tried, Proven and Endorsed

The Government of Canada, realizing the increasing difficulties which the farmers of Canada are facing through labor shortage, have carefully examined the help problem on the farm with the idea of eliminating extra work and drudgery.

Here is the Government's answer to every farmer and dairyman: "A partial solution of the labor problem is the milking machine."

Empire Milking Machines have been used for over three years on the Government Experimental Farm at Ottawa, and in view of their past performance, the Dominion Government has now placed an order for six more Empire outfits to be installed on the following Experimental Farms : Fredericton, N. B., Lennoxville, Que., Cap Rouge, Que., Ste. Anne dela Pocatière, Que,, Lacombe, Alta., Brandon,Man.

## EMPIRE <br> mukns matins

## Actions Speak Louder Than Words

Empire Milking Machines are a good investment as they enable one man to do the work of three hired men in the same time. A boy can operate an Empire with ease

Empire Milking Machines can be installed and operated at small cost,-the initial investment soon being paid for in time and labor saved.

The cost of operating an Empire for one year is just a fraction of the cost of boarding the hired man, aside from his wages-in one year, your saving is enormous.

Empire Milking Machines milk in Nature's way. The action of the teat cups is that of the sucking calf, massaging the teats from tip to udder, gently and uniformly-the same way at every milking.

The experience of thousands of farmers and dairymen is : that cows and heifers take readily to being milking by an Empire. The soft, gentle massaging of teat cups sets up a pleasing sensation which causes the cow to give down readily and stand content while being milked. Empire Milking Machines will lengthen the cow's period of lactation.

Empire Milking Machines are easy to care for. Simple in construction, these machines do their work with speed and efficiency and can be operated by man, woman, boy or girl.

We know of no Empire Milking Machine that is not giving absolute satisfaction and doing all we claim it will do.

Dozens of monen, just like yourself, use Empire Miliking watianco uan cannot say enough in
 their praise of the machine and its value to them.

Information saves money so write us today for booklets, testimonials and detailed particulars. ask for catalogue 10
The Empire Cream Separator Co. of Canada, Limited MONTREAL.

TORONTO.

Exact Copy of Government Circular issued to Farmers of Canada.
Dominion Experimental Farms.

THE MILKING MACHINE A PARTIAL SOLUTION OF
THE LABOUR PROBLEM
They will take the place of that extra hired man so nard to obtain at the present time. Unlike that hired man they are
always there ready for work. Their work is noted for its always there ready for work. Their work is noted for its
uniformity from day to day. Milking machines are now

## (AS A GOOD INVESTMENT)

One man with a milking machine can milk twenty to twenty frve cows per hour. This number would take three men at hand milking. The real drudgery of the dairy farm is ated by use of the milking machine.
INTRODUCTION $\begin{aligned} & \text { the Thiry object of this circular is to put before } \\ & \text { milker under the palue of the menechanical }\end{aligned}$ There has been in the mind form.
prejudice againy dairy farmers a great deal of the use of a mechanical milyer but the present is no time to let prcjudice stand in the way of increased production. seriously the installation of a merding in or more cows should consider

 Such an outft would ie to minge enough for a a $2 \overline{\text { ance. }}$, 35 -cow herd
 F-cow herd a 2-cow outtit would be sufficient.
For eaction of one unit in the installation there will be a
reduction of approximately $\$ 100$ in the cost price. This brings the average cost price to $\$ 16.60$ per cow for the large
herd is 0 per cow for the mediumsized herd ; and $\$ 25$ per cow for the
smali hicrd. This in turn goes to show that while the cheapest installation for
work done is with the large herd, nevertheless the first coast is not
excessive in the cnse of la excessive in the case of a small herd.
COST OF OPERATION The annual cost of operation for a 25 -to 35 --ow
outatit, including repairs, power, labour in caring
for engine and for engine and repairs, power, labour in caring
for
investminent, mand
and The above is approxime, would amount to approximately $\$ \geqslant 25$,
mat present paying his hired man, where board is not taken in into account.
Divided bet twen 30 cows, this brings the running expenses to two

ABOVE COST COMPARED WITH COST OF HAND-MILKING
not The average hired man will
per hour more thau seven cows not milk more than seven cows
per hour, which, at 25 cents per
hour, costs 7,2 cents hour, costs 7.2 cents per cow per
diay for hand -milling. One can milk 20 to 25 cows per hour, which man with a milk ming machine
milking, tint incotuduring the aboch ine
move-mentioned daily running expenses, to cents per cow per day. above-mentioned daly running expenses, to 4.5
This is a savias of conside rably over one-third and in a large herd would enable the farme. tu dispense over one-third and in a leart one, if not twe herd
or it would liberate these men lor other important tines of in, or it would liberate these men ior other important lines of increased
production.
It also enables one man to milk many more cows than it is physically possible for him to milk by haud. more cows than it is
 RELIABILITY
OF SERVICE $\begin{aligned} & \text { A machine when properly installed and } \\ & \text { equipped with a reliable source of power is always }\end{aligned}$ OF SERVICE $\quad \begin{gathered}\text { equipped witn a reliable source of power is always } \\ \text { there ready for work. } \\ \text { Breakdownsarecomparatively }\end{gathered}$ Wear and tear is nily remcdicd. excescive, considering the mature of the
machine, and provided the latter is given proper attention.
 There is no more if as hy hand.
 their milk readily, but heifcrs take to machiue milking hot like ducks to
water and require hardly any stripping. Stripping ly hand after tak ing the machine off is anvocated by all
users, as well as makers, as a precautionary and economical measale EFFECT ON QUALITY $\begin{gathered}\text { If the machines are properly } \\ \text { OF MILK }\end{gathered}$ OF MILK $\quad \begin{gathered}\text { properly washed in' the dairy, wise the } \\ \text { milk produced will be as good or }\end{gathered}$ Where extra pains ared talk hand-minithing.
milk a very hinginesand the care of the Careless handing results in bad milk and ultimate failure of the
machine.

IMPORTANCE OF EFFICIENCY IN
OPERATION has an interest in the $s$ Last, and of far more importance than
the cot, price or make of the mathine,
comes the question of the efficiency of comes the question of the efficiency of the
operator
Handing the machine is a job for the
farmer, his son, or some hired Handling the machine is a job for the
farmer, his son, or some hired man who
ssof the machine and the cows. Know the machine and the cows, and adapt the one to suit the
other, $p$ iviny each their proper shave of attention at other, gywng each the proper shate of attention at the proper time
Any of the more prominent makes. of milk ing machines upon the
market will do good work provided in market will do good work provided they are properly handled.
The addresses of the dealers or manufacturers of the machines can be procured from the farm journals, or upon application to the Animal Husbandry Division, Fxperimental Farm, Ottaw

## do Fince PAGE

Has the Confidence of the Careful Farmer

PAGE Wire Fences are chosen by careful, shrewd farmers, for many reasons. But it is because of the length of service that every Page Wire Fence gives that accounts, in no small measure, for its ever-increasing number of buyers, in preference to all other makes.

## PAGE WIRE FENCES ARE BUILT TO LAST

There is nothing extraordinary in Page Fences to cause them to last so long, except that they are made for that very purpose. We know what makes a fence that " stays put "and we manufacture it accordingly - with the utmost care and the very best of materials.

Only No. 9 gauge wire is used throughout, locks and all It is subjected to an extra coat of galvanizing to give double resistance against rust. Every inch is tested and inspected before leaving our factories, so that we are able to know for a certainty that every Page Fence is rigid, tight-locked, evenly spaced - that it will give a lifetime of wear to its owner
Choose as your next fence the Page Wire Fence and you will
never have cause to have cause to regret it
With Page Fences and Page Gates on your farm, your fence troubles are over forever
Write, or call at our nearest branch for further particulars about ces and Gates.
If you are interested in the Page Farm Engine or Page Wood
Saw, we will also be pleased to tell you Shlpping Terms: Freight allowed on all shipments of 200 pounds or over, to
any place in old Ontario or Ouebec, when payment is made within 30 days.


The Page Wire Fence Company

[^0]Gossip.
Ias. Douglas, of Caledonia, writes as
fol'ows regarding the two head of cattle Iolows regarding the two head of cattle
(nt-red in the London Shorthorn sale,
io be beld notred in the Lo dondon Shorthorn sale,
to be held April 2 and 3 : "I wish to draw
attention attention of the readers of "The Farmer's
Advocate" to the two head of cattle I have Advocate" to the two head of cattle I have
listed in the London sale, a bull and a heifer by the gereat Browndale, and grand-
ly bred on their dam's side. They are an ly bred on their dam's side. They are an
extra good pair of the low-down, thick, smooth kind, with great substance
and hair. The bull is and hair. The bult is loom like a real
very best cows and low
good kind to bread from The heifer good kind to breed from. The heifer
is bred right from a good Diamond
ind is bred right from a good Diamond
heifer, by Ran Chief Imp., and will weigh
over i.2ool lss. Cat seventeen months. Look hever 1,200 lbs. at seventeen months. Look
onem uld also thir breeding, and get them up, also their breeding, and get
some Whitehall Sultan blood through some Whit
Browndale.'
March 28, 1918.-G. A. A
wood, Ont.-Holsteins. Aprili2, 1918 .
Ont.-Holsteins. April $2,1918$. .- Brant District Holstein
Breeders' Club Consignment Sale, BrantBreeders' Club Consignment Sale, Brant-
ford, Ont.-Holsteins. April 2 and 3, 1918.-Ontario Consign-
ment Sale Company, London.-Shorthorns.
April 2, 1918.-Menie District Ayrshire Breeders' Club, Campbellford, Ont
-Pure-breds. Areil 3, , 91818 . - Belleville District Hol-
stein Breders' Club Consignment Sale, Belleville, Ont.-Holsteins. A. Caldwell,
 April 5 , 1918 - Diunrobin Farms, Beaver-
ton, Ont.-Holsteins April $10,1918 .-$ T. G. Gregs, R. $\overline{5}$,
Ingersoll, Ont-Holsteins Ingersoll, Ont.-Holsteins.
Jne i1. 1918. Sr. A. A. A. Farewsll,
Oshawa, Ont.

## Champion Bred Gregg Holsteins. The sixty head of Holsteins whic

 T. G. Gregg, Ingersoil, Ontario, willsell at auction on April 10 are the result of breeding from a herd established years
ago when twelve ago whien twelve young femates were
selected from the herd of Walburn
Rivers, of Pioneer Stock Farm. The Rivers, of Pioneer Stock Farm. The
following champions were produced by
Mr Rivers Mr. Rivers. The three-year-old R.O. P.
champion, Calamity Snow Mechthilde 2nd; the Canadian R. O. P. champion
two-vear-old heifer Duchess What two-year-old heifer, Duchess Wayne Cal-
amity 2nd; also Calamity Posch Wayne amid champion of the dairy test at the Ontario Provincial Winter Fair in 1913,
This is the kind of blood represented in the herd to be sold by Mr. Gregg on
April 10. The frits bull to be used on
the Gregg herd was Homestead Dee the Gregg herd was Homestead Dewdrop
King a son of Belle Dewdrop, and sired
by Dutchland Colanth by Dutchland Colantha Sir Abbekerk.
The next bull in service was King Isabella. We next bull in service was King I Isabella
Wilker. The present herd sire is Centre
View Colamit Sen View Calamity Segis, which carrien the
blood of the two great Kings, King Walker and King Segis. His dam, sire's dam, and
dam sisteraveraee 29.46 Ibs. butter in
seven days His seven days. His dam was the winnere of
first priz in the dairy test at the Ontario
fint tir Winter Fair, Guelph, 1912. Fully ninety
per cent.r of this herd carry the blood
of the above chanpions. See the ad-

If Garden Competition for Vegetable

$\qquad$
is
follows : diviled int)

1. ()tour districts, as

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## Markets

the latter range also applying to brown Eggs.-It is evident that the price of eggs will not be low this season, al-
though it will be much present. American eggs are still coming in, and receipts of Canadians are constantly increasing. The price of either
was 48 c . per dozen, in a wholesale way The agitation to sell eggs by the way. was again on, but failed. Butter.- The market displayed a
slightly easier tone, but prices do no slightly easier tone, but prices do not
show change, being $481 / 2 \mathrm{C}$. to show change, being $481 / 2 \mathrm{c}$. to 49 c . for
finest fall make, and 1c. less for fine Current receipts were quoted at 46 c . to to 47 c ., and dairies at 40 c . to $411 / \mathrm{sc}$ c.
Grain. - The demand for oats has been Grain.-The demand for oats has been
fair, but the market has sold off slightly.
Quotations were: Canadian Wester Quotations were: Canadian Western and
extra No. 1 feed, $\$ 1.071 / 2$; No. 1 feed $\$ 1.051 / 2$; No. 2, $\$ 1.03$; Ontario No. 2 white, \$1.07; No. 3, \$1.041/2; No. 4, \$1.03,
Flour.-The dearest flour on the list
for some time past has been for some time past has been rye-lour, and last week a strong advance took bag. Otherwise, the market is about steady, Government standard Manitoba points $\$ 11.10$ per barrel in lots for country points $\$ 11.10$ per barrel, in bags, f. o. b.
cars, Montreal, and 10 c . extra delivered cars, Montrea, and 10c. extra delivered
to city bakeries. Ontario winter wheat flour $\$ 11.40$ to $\$ 11.50$ in broken lots, ex-Mill-feed.-Prices were steady at $\$ 35$ Mill-feed.-Prices were steady at $\$ 35$
per ton for bran, in bags; shorts, $\$ 40$;
mixed mouille $\$ 60$ to $\$ 62$ per ton; pure mixain mouille $\$ 60$ to $\$ 62$ per ton; pure Baled Hay.-The market was firm at $\$ 17$ per ton for No. 2 baled hay, ex-
track; No. $3, \$ 15.50$, and clover mixture Speds.-Trade was fairly active. The demand from country points was good
Prices f. o. b. Montreal were as follows Timothy 9 c . to 14 c . per lb .; red clover 36 c . to 40 c . pe lb .; alsike 22 c . to 29 c . per Hides.-The market was steady. Beef hides 15 c . to 16 c ., and 17 c . per lb .,
Montreal inspection; 19 c . for steers, 13 c . for cows, and 12c. for bulls, flat. Veal skins 34 c . to 36 c . per 1 lb ; s.pring lambs
35 c . each; sheep skins, $\$ 4.50$; horse hides, $\$ 5$ to $\$ 6$. Tallow $31 / 2 c$. per lb. for scrap fat: 8 c. for abattoir fat: renderd tallow, 15 c .

Chicago.
Cattle-Beeves, $\$ 9.50$ to $\$ 14.35$; stock ers and feeders, $\$ 8$ to $\$ 11.90 ;$ cows and to \$16. Hogs-Light, $\$ 17.25$ to $\$ 17.95$; mixed,
$\$ 16.90$ to $\$ 17.90$; heavy $\$ 16.25$ to $\$ 16.60 ;$
 Sheep-Native, \$11 to \$15. lambs, ve, $\$ 14.50$ to $\$ 18.75$.

Dunrobin Farms Holstein Sale. poor railway service for delivery of milk from Beaverton, the proprietor of Dun-
robin Farms has decided to sell the entire herd of 45 choicely-bred Holsteins. The train connections to Beavertuns are not
convenient for a sale of this kind, so convenient for a sale of this kind, so
arrangements have been made to hold
the sale at the the sale at the Union Stcck Yards, West
Toronto, on Friday, April 5 , at one p.m.
The foundation The foundation cows of this herd were
selected by the late Donald Gunn, proselected by the late Donald Gunn, pro-
bably one of the best cattle judges in Ontario. The sires used have always been
of high quality from the standpoint of type and prodiction. The sale is a breeder's
sale, and with the exception of the herd sale, and with the exception of the herd
sire, Echo Segis Champion, all the offer-
inc are ing are females. The sires used at Dun-
rolin Farms include the following: Earl
Tenson, Prince Victor of Wir Tenson, Prince Victor of Manor, Sir
Mercedes Netherland, Lakevicu Henger-
veld Rattler, Sunnybrook Oakland Boy, veld Rattler, Sunnybrook Oakland Boy,
and the present choicely-bred bull,
E, ho Segis Champion. He is sired by
Hay Echo Champion the well

From a Farmer's Wallet We had a man in our neighborhood who always went on the run when doing his
work on the farm. No matter what it was that he was doing, he was always
wastling and puffing and acting as if life hustling and puffing and acting a sif life
and death were at stake all the time. It and death were at stake all the time. It
was hard work to stand and watch this was hard work to stand and watch this
man. It used to make us feel as if we ${ }_{\text {mast }}^{\text {man. hurry, too. Everybody was }}$ comfortable, even to his horses. They
knew things were not going right and were knew things were not going right and were
as nervous as he was. The cows, too as nervous fever and stood with one eye turned round toward him when he was milking, as if they wondered what was
going to happen next. That man is not going to happen next. That man is not
on the farm now. He did not get along well and moved away to town to work in some factory. I have often wondered
what sort of a hand he would make there. what sort of a hand he would make there.
If he carried the same habits of haste with him, I will venture to say that he wastes a good deal of material and costs his employers more than one dollar a day
for wasted time strength and energy for the man who rushes along that way. surely does miss the mark. He cannot
do as much in a day, and what he does will not be as good work as a man who things out right and making every action
cunt
It is worth while for young folks to get the habit of doing things right. The easier it will be for them in later life to keep calm and steady and think every-
thing out. A lady teacher in one of our thing out. A lady teacher in one of our
High Schools once told me that she forgot anything she intended to do but that the moment she thought of it again she went and did it. If she intended to
take a certain book with her from the take a certain book with her from the
school-room and forgot it, no matter how far on her way home she might have
gotten when her mind went back to the book, she immediately turned round and returned for it. A few such trips helped
to fif the habit of remembering the first
time time.
The fact is we ought never to be satisfied unless we do things right. Suppose the
cap of the radiator on the automobile gets cap or the radiator on the automobile gets
twisted when we start to put it on. It fannot be screwed down tight. Why try
it? Stop, back up, start the cap so that the threads will match. Then turn it
down. The same way with the coner aown the same way with the cover to
a fruit can. Start it right, if it takes a a ruit can. Start it right, if it takes a
dozen tines of trying. Don,t be satisfied
by saving, "d did not think., by saying, "I did not think." Keep your
thinking cap on. That is what it is given you for (io back if you did not start
right. Let no slip-shod habit conerer
For the call everywhere is for men and
women who can and will do the
 must keep his mind on what he is doing. It will not do for him to run past a signal
or to make a mistake in the way a lamp on the switch is set. He must not sit up in his place and let his engine get to
pounding anywhere, thinking, "She will gounding anywhere, thinking, "She will an. A wreck may send him and his the home station. He knows that the
right thing to do is to rep right thing to do is to report that his
engine is out of order, stop and put the wrong part right, or if isthe and put the cannot do it,
send in tor another engine running locomotives, or "none of us are
thang anything we are working with valuable machinery. Are we always as careful before we start
out to be, every nut turned up tight, the bearings all oiled properly, nothing grinding anywhere, each piece of the mechanism
doing the work A careful work for which it was designed? of the farm machinery. Putting away a
pitch-forl How many have been sadly injured thing.
pert perhaps killed, by slipping down on the
stale of a fork that has leaning against the side of a haymowt Cows are dried up by careless, hurried, indifferent milking. It pays to do this
work well work well. There is such a thing as
milking a ow in a workmanlike manner. After we get along in years, we learn to do our work well at greater cast. pretty well defined. It is a reater that are now to pull iefineself up, and say st "Now see here, old man, that was not done as. Gought to have been, and you know it.
The and do it right." But it can be done The and do it right.", But it can be done.


Questions and Answers.
Miscellaneous.
Guinea Pigs.

1. Where can I purchase guinea pigs 2. What hospital would be liable to
buy then for experimental purposes?

Ans.-1. Place an advertisement 2. Write the Institute of Public Health, London, Ont.
Feed Prices
If by Order No. 5, the price of bran and shorts is set at $\$ 24.50$ and $\$ 29.50$, why are market prices quoted at $\$ 35$ and $\$ 40$ ? Ans.-These prices as explained in recent issue of "The Farmer's Advocate" are ${ }^{0}$ o. b. Fort William. Bag prices,
freight and sometimes dealer charges must be added as outlined in our issue of March $\bar{T}$, page 366 .

Record Holstein. Whill you kindly make clear to me
through the medium of your valuabl paper, why the son of the well-known cow
May Echo Sylvia is referred to as a 44 1b. bull? Thanking you in anticipation,
Ans.- We suppose the reference is made
on the strength of his dam's record of 44 ibs. butter in seven days. It would be more correct to refer to the bull as a son
of a $44-1 \mathrm{~b}$. cow.
Contracts-Ouack Veterinarian.

1. Would I have to notify the town stop them carrying out the contract? 2. If a man makes a business of pracgraduated veterinarian, can he be held responsible the same as a regular veter

Ans.-1. What contract? If it township work, interfering wit
rights and property, notify both. veterinarian unless he has his gractuation papers and could not be held responsible Pigs. Die.
Young sow had litter of 5 pigs. At the
age of 4 weeks one pig was found dead in age of 4 weeks one pig was found dead in
pen from no apparent cause. Next morning another was crippled across back and in hind legs, gradually yetting worse,
until death came a day and a half later, until death came a day and a half later.
Sow has been fed on oats finely ground Sow has been fed on oats finely ground and seems to have a good supply of milk
What is the cause of this, and remedy if Ans. - It is is impossible for us to say
what ailed the first pix. The second mas what ailed the frrst pig. The second may
have been injured by the sow. $\begin{aligned} & \text { Pigs may }\end{aligned}$ have been injured by the sow. Pigs may
be over-fat, as small liters somet imes pel Feed sow on slop and light feed. Give exercise, and if possible let the pigs
a little outside run on warm days.

Bad Seed Corn
I went to a farmer in January looking
for seed corn. I asked him if he had ang seed corn for sale He said he had bought 100 bushels at $\$ 4.00$ per bushel. I went back in a couple of weeks
helped me pick it out. He did no guarantee it. I did not ask him to.
shipped it and sold it out for seed co him to make it right he does not think him, if so how should I go about it? Ans.-You would have notcase agains
the man who sold you the corn. He didn't guarantee it as to germination
and, no doult, had not tested it at all.

$G_{\text {dissolving grease. Greasy }}^{\text {OLD }}$ dairy dissolving grease. Greasy quickly made sweet and clean with Gold Dust. Try Gold Dust on the churn, separator, butter paddles and other things.


The Busy Gleamer

made in camada


## Cream Wanted

It will pay you to ship us your cream. We pay express out on empty cans and express in on your cream. We remit for every can DAILY. We supply cans. WE WANT YOUR CREAM.

LINDSAY CREAMERY, LIMITED, Lindsay, Ont.

## The Final Phonograph <br> Designed-not adapted-to play ALL records

 Pominowich

Why restrict your choice of records when you Can have a phonograph that will play perfectly The Brunswick "had to come!"' Just as we have seen the automobile perfected during the
past fifteen years, so those in the phonograph past fifteen years, so those in the phonograph industry have been watching and waiting for
the Final Phonograph. And it has arrived-it is the Brunswick.
In the Brunswick all the best features of all the best phonographs have been frankly adopted.
And, with some added refinements And, with some added refinements of beauty and ynish, this wonderful phonograph is priced discarded models or experiments.
Among other features that lift the Brunswick above all others is the perfected tone chamber,
which, like a violin is built white holly, backed by spruce.
Find Out for Yourself
made in canada
Models from $\$ 45$ to $\$ 250$

Get the full details concerning the Brunswick Fill in and mail us to-night the attached cougive you the full story of the Brunswick"All Phonographs in One," as well as a list of
Brunswick Records.
The Brunswick Plays Better, Looks Better and Costs Less. MUSICAL MERCHANDISE SALES CO. 204 Excelsior Life Bldg., TORONTO
RENNIES ${ }^{\text {Big }}{ }^{\text {rop }}$ SEEDS
 Gren Pod
BEET-Renine's Spinach Bicct
CABBAGE-Rennie's Wicrldb CABBAGE-Rennie's Wirclldeater
CARROT-Rennie's Market Garden CORNO-Rennie's Goldcn Bantan
CUCUMBER-White Wonder.
$\star$
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 MUSKMELON Nompelicious Gold parsLined. PARSLEY-Champion iloss Curled RADISHProved Stratagem
TOMATO-Coper's Sparkler
TOMATO-Bonny Best $\ldots \ldots . . .10$
Early Detroit $\ldots . . .10$
TURNIP-Golden Ball(Orange Jelly). 05

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2.25 | .45 | 2.00 |
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 fLOWER SEEDS
Lavender Gem Aster $\qquad$
Giant Yellow Tulip Poppy-California
New Red Sunfowe
Mastodon Pa Mammoth Flowering Hollyhock-Mixture
When When buying from dealers, insist on
dealer hasn't them, we will ship direct.
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WILIIAM RRENMNPCOMPANY
WILIIAM RRENMNPCOMPANY
GING \&\& MARKE
GING \&\& MARKE

Gossip
London Two-Day Sale of Shorthorns 1918 spring sale of 150 high-class Shorthorns, selling under the auspices of the Wany in One Consio Comment Sale Comome and gone and April 2 and 3 counted s two eventful days in the history o fity breeding Canada. One hundred and ty breeding Shorthorns of the cailbre re not often found in one sale-ring ing any country and when sold under the liberal guarantee of this firmly established Club, our prophecy of one more success-
ful sale, even at this very early dote should not be so very far out of order review of the pages of the catalogue will assure the prospective purchase hat a stronger aggregation of breeding in one consignment sale-ring in Canada As individuals we also have every reason throughout are quite onl a par with the breeding of our representative ind ludent seen character than was usuall semin in pulbic could be picked several indi ithatst thit
would make promising m.thriul
 etter pedigrees are referred to, or


When writing please mention Farmer's Advocate
limited there has come to our notice a representation of one or more individuals in each of nearly all the more popular
families of the day and on the tops of these pedigrees appear such noted bulls
thentien of the and on tor as Hillhead Chief (imp.). which has
siredtwo Claret and one Misie bull in the sired two Claret and one Misie bull in the
Waldie consignment; Best Boy, the great Waldie consignment; Best Boy, the great
Canadian bull which is the sire of six Sittyton Favorite, a grandson of the noted White Hall' Sultan, is the sire of nearly all of the good things in the Wallace
E. Gibb consigmment. $G$ \& $W$. Nicholson furnish a lot of Cruickshank and Marr breeding, several of which are got by their herd sire, Merry Hampton
(immp.). Geo. Gier of Grand Valley has two young bulls and two heifers all got by Escana Champion, a son of the
renowned Right Sort Imp. Kyle Bros. of Spring Valley have six females and two Dullslisted, which are with three exceptions
all got by their former herd sire, Nonall got by their former herd sire, Non-
pareil Ramsden. strengthens the sale with some straight
bred Minas, Celias and Waterloo Princesses. Brien \& Sons' !ut brings in some Lovelys and a well-bred Mary Anne of
Lancaster heifer, and H. Smith has among Lancaster heiter, and H. Smith has among
others one 12-months bull by his former Sed Springhurst sire, Blarney Siest sire, Volunteer, a son of the great Blamey the. Several other noted bulls figuring Archer Sultan by Superb Sultan, Rosewood Chief, the great "Browndale",
sire of a 13 -months bull, and a one-year heifer in the Douglas contribution, mary Pride by Lavender Sultan, and thers which altogether make up not only offerings ever seen in an of the strongest ing. The sale will commence at 1 occlock p.m. Tuesday, and at 11 a.m. on Wednes-
day. For catalogues address H. Smith


Proven Hardiest By Agricultural College Tests


 Grimm. During the following winter most of the
Liscom, touted by some seedsmen as being very
 The same success with Lyman's Grimm has been
met with all over the country. Heaviest Yields-Highest In
Feeding Value-Best For Feeding Value - Best For Seed


AA. B. LVMAN, Grimm Alfalta Introducer

## We Can Save You Money <br> ON SEED CORN

Leaming, Red Cob Ensilage, Mammoth Southern
$98 \%$ germination.
Prices on application. Special inducements on car

MATTHEWS \& CO
Watford, Ontario


## M'Cormick's Sodas

Contain all the elements of pure wholesome food at

## SEED BEANS

1916; is of the White tri from Michigan in
ing about ten dariety, maturWhite Field Beans earlier than the Native
F. O. B. Wm. A. Sce, s9.00 per bus.

Transplanting the Tobacco op and the Proper Plants to Use
 a higher revard for the labor expended
in this direction than almost any other The preparation of the land for tobacco
should bexin as carly in
 Iolowed bbe double discing and harrowing
well. After this the land slould be har-
rewed

 Befere planting, the case ond should be
thoroughty cultivated so as to
to matd soil as iose and melto ava sossibible the
Transplanting should be be commenced after the danger of frrst is over, either,
late in May or early in Junc. Early Cransplanting gives the tovacco a chande
to grow rapidly and resist the late
drouphts. It
 sultable tall weather fr curing the crop.
When the plants have developed from
four to six lowes Your to six leaves and are five to six inches
in height, they are ready for trans,lant
in ing. During the week pricr to transplant-
ing the plants should be "Hardened" by removing the cover from the beds during
the greater part of the day, increasing we period each day until finally, if the
weather is at all faverable the covers
shoul should be left off entirely. The hardening
process should not be carried s? far as to make the plants woody, berause such
plants are slow in starting growth in the
field About half an hour before drawing the
plants for transplanting the bed should be well watered. In drawing, select well-
formed plants, green and thick set well provided with roots, and all as equal in
size as possible. The greatest care should be exercised to see that all diseased and
damaged plants are discarded. If possible, transplanting should be
done on a cloudy or rainy day on in the done on a cloudy or rainy day on in the
afternoon, soas to avooid excessive wilting, Plants that have died or been damaged
by cutworms should be promptly reset by cut worms should be promptly reset
during the first two or three weeks after transplanting.- Experimental Farms

## Questions and Answers.

 Miscellaneous.Cattle Running at Large. In the Act respecting the protection
of pure-bred cattle, what is the meaning of the phrase, "Running at large?", Does property Act, male animals are not allowed th run loose on a person's own property unless in a closed paddock that is on
sufficient strenst from getting at large.

## I have trouble Hens.

 of hens. Last summer's hens are laying and look heatthy and red about the head,but one by one they are going lame. They bee getting rough and scaly on the legs.
arem
I kee them dusted with insect powder I keep them dusted with insect powder
and keep the en clean and dry,
arm am feeding rolled oats, whole oats and barley
and bave and
day from the 22 hens, since before Christ
mas. The affected birds appear to remas. The affected birds appear to re
cover when placed by the heat and fed a little solt teed. Ans.- Lameness may. result fron
several causes. Birds jumping from high roosts, stepping on glass or frozen ground will sometimes cause the feet to swell
with the resulting lameness. Bathing and with the resulting lameness. Bathing and
applying kerosene is a treatment which
in usually givesresults. Sometimesan aosces.
will form which may necessitate lancing.
As the birds apparently As the birds apparently recover when
placed beside the heat, it is possible
that the trouble is due to rheumatism, that the trouble is due to which is an minfammatho only thing that
and muscles. About the
can be done for this is to keep the birds in dry, wet- the symptoms of tuberculosis,
is one of
which is possibly one of the worst diseases that infects the pountomsare that the birds
lameness other symptome weak and appear
lose in weight, become anaemic. They usually have a ravenous
appetite. A post-mortem evamination
andes generally reveals numerous raised nodules

## "Harnessing the Air" to Save Butterfat

The air is a great wizard. Properly employed, (as in a Sharples Suction-feed Separator) it will save North America more than eighty million pounds of butter which fixed-feed separators waste because $95 \%$ of them are turned below speed much of the time.

The Sharples Suction-feed principle really harnesses the air and makes it work for you. By means of the suction-feed, just enough milk enters the tubular bowl as can be perfectly separated. As your speed varies so does the suction-feed. Thus, Sharples saves the cream waste that results when fixed-feed separators are turned under speed.

## SHARPLES <br> 

## Skims Clean at Any Speed

While air is free to everybody, yet the suction-feed principle is exclusive with Sharples and fully protected. Bear that in mind when you investigate a separator and insist on knowing if it will skim clean at any speed. Get proof.

There are no discs in a Sharples tubular bowl which adds further to its superiority. The one-piece bowl is easy to clean, easy to turn - even for a boy. Write nearest office for catalog, addressing
Dept. 78

Toronto, Ont. The Sharples Separator ${ }^{\circ}$ Co. Regime, seolk
The Mitchell \& McGregor Hardware Co., Brandon, Man.


The Easy Way on Wash Day
Why My " 1900 " is the Easiest, Quickest and Best Washer for You


 Staunch-Low-Cost-Ready领 P P Plan to make more money in 1918
 is firep
$\qquad$


Homemade Syrup From Sugar Beets.


 Nirection the the the possibilitios in it this Mathe Experinernal farms hlas heen

 STrir may be preparat from syyar tecet successfulls employ ed as the "sivece encer
in the making of buns, muffins, cookic and gingerbread and possibls onther cork
ery products in which a dark eolor is
 scribed is of a thick consistence
cry dark, and contains fromn 50 to 600 per cent in sugar. He ise men sesy sweel
 This disagrecable after-tastio prouludian
 ans piperators, is alrevaly stumely in


mainder of the beet is tiute showel

with BOILING, water a
gallons per 10 pounds
with constant stirring, and
through two thicknesses of
black in color and was found to
$\underset{\text { 2. The juce, obtained as alleall }}{\text { described, is boiled down to a volume }}$
approximately one tenth of that originally
present, care being taken that the syru
as it thickens dces not scorch or burn.
During the boiling the scum which conDuring the boiling the scum which con
stantl's rises should be removed. To preserve the syrup for future use
it should be bottled while still hot in self-sealers and the covers at once tightly

## Gossip.

Thirty-one Pound Breeding in the Belleville Sale It is not too often that any consign
ment sale-ring in Canada, or any othe country in fact, can offer cows with records up to 31.94 lbs . of butter and
625 lis of 625 lhs. of milk in 7 days. Cows of this calibre are not too plentiful in most
districts and when they are found it is districts and when they are found it is
usually pretty hard to induce the owners to put them into a sale without any protection whatever. The Belleville Other, always been fortunate in inducing some member of their Club to consign one or more of this kind in order to give
the other contributors a standard at which they could aim. This year it has Brighton, to set "the standard" and for this he has chosen from the best of his
herd and has catalogued his great pro herd and has catalogued his great pro
ducing cow, Daisy Gerben Verbelle
whose splendid seven-day record fo Whose splendid seven-day record is
both milk and butter production is
mentioned above. In writing "Farmer's Advocate" under date of March 1st
Mr. Baker says: "When we stopped testing her she was striking a $35-\mathrm{lb}$. gait
but as I could not get cotton seed, oil cake or glutten I had to let her drop." 1 e a so adds that she was still mould be
90 llbs. per day then. That she would one of the tops of any sale goes almos
without saying and to make the sale till more attractive her bull calf, sire Pontiac Alcartra, (the $\$ 50,000$ sire) also woes through the sale-ring. Two other
heifers make up Mr. Baker's entire Msignment. These heifers are sisters, on of the noted Pontiac Hermes and May Cho Pictertje, a daughter of the great
Iay Echo, the $31.34-\mathrm{lb}$. dam of the world's greatest milk producer, May
E.cho Sylvia. If you have not received catalogue write at once to F. R. Mallory Frankford, Ont., and note therein further
particulars regarding Mr. Baker's offering

## BUILD THE BARN OF BISHOPRIC STUCCO BOARD

First of all there is a clear saving of at least $25 \%$ in time and money, compared with lumber and 1
(A good many farmers have proved
this. Well send you their names and addresses if you wish-and you can write them).
WARMANDDR
Bishopric Stucco Board makes a
warmer and dryer barn than you warmer and dryer barn than you
can possibly get with ordinary can possibly get with ordinary
boards. Because it is made of asphalt mastic, reinforced with
kiln-dried laths, This gives a sur kiln-dried laths. This gives a sur face absolutely proof agains vermin.
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Bishopric Stucco Board makes the ideal Barn, Stable, Poultry
House and Grain Storage. It House and Grain Storage. It
costsless, gives better service, and is so much easier to put up. Write for our booklet, describing it in
detail, with many illustrations showing detail, with many illustrations showing
Bishopric Productu sin actual use BISHOPRIC WALL BOARD CO.
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Seeds are Scarce Order Early
 McDonald's Seeds are thorou
true. vigorous and reliable.
40 yens (4) $\begin{aligned} & 4 \text { y years sepuntatitian for quality. } \\ & \text { Don't delay. Write to-day. }\end{aligned}$. Kify Keneth McDonal 4

## 7e9maic

TESTED SEEDS

## WE WANT <br> SPRNN RATS

express and Postage.
E. T. CARTER \& CO. 78 Front St. E., Toronto, Ontario

Female Labor on the Farm EDtoo "The F.RMER's Advocite";
It sames the labor throubles on the tarm is not confoined to us men and our work. Last wake the "Home Makers' (lub)" met wid Nora, me woife. Bein' as I had
a bit of a cowld I was in the howe and, belave me wer the house all day somethin' doine, ivery minute and a ten words in bet wane.
Says Mrs. Finnegan: "Sure and its
the awful toime I be havin'. Here I am the awful toime I be havin' Here I am
wid a man and siven childer and two hoired men, and I can't get a girl atal.
I've had foive in the last was no good. The second didn't loike the childer, the third didn't loike me man,
the fourth didn't loike work married the hoired man."
"Yis," says Mrs. Doherty, "it's the
same wid me. Faith, and the only plan can think of is to move to Alberta other woife. Sure and it's aisier for a good-lookin' man to get an extra woife nor it it to get a girl to worl
Hays Mrs. McDut
Says Mrs, McDuff: "Yer roight,
ladies, the min's problim aint half as ba , as ours. Sure, a man does all he can and his woife does the rist. We have only

## Mrs. McDuff.

C spakes Mrs. Magee: "We're all agred as how we can't get no help on the
farms. We be always blamin' the pirls because they won't work on the farm. Faith, ladies, and it stroikes me as maybe
the throuble is wid the farm and mot the girls atal. Here's a noice girl I lknowin Regina. She's a stenographer. She works ard morth for a month, and she pays $\$ 30$
a
and
$\$ 5$ for washin month, ye see, whin Mrs. Finnegan would "Hould on," says, Mrs. Rafferty. "Sure and me girl is goin' to school in Regina
and it costs her $\$ 40$ a month to live sayin' nothin' about clothes," (wo Says Mrs. Finnegan: "What we want
to know is how to get female hilp on our to know is how to get female hilp on our
farms. Say Mrs. Black, sure ye always
have have a good girl. Howly how yer kirls
It bates me completely always stays wid ye till they gits married.",
Says Mrs. Black: "Me and me man jist
. trates her exactly the way we think we
loike to be trated if we was in her place
and it works foine. Whin I was lavin home torday me girl says: Now, Mrs
hlack oif Mrs. Murphy axes ye to stil)
Blat for supper, jist ye stop as long as ye loike
I'll look afther the house and falce the $\mathrm{min}_{\mathrm{J}}^{\mathrm{Jist}}$ thin the hathilane come in wid som! tay and chikenn sand
consarvin" the ham.
Can Says Mrs. Thompson: "Say, Kathlante,
whin ye was goin' to Collagiate in Regina ye must have mit lots of girls. Can $y$,
tell us why they won't work in the coun thry? Sure and a girl on a farm can save
more money nor a $\$ 75$-a-month-girl cal in the city,
Says Kathlane: "Yis, Mrs. Thompson
,
 or gim me if ye want girls on the farm y
frust be afther makin' the farm more at
mol
 wail have iverything they want, from an
aut mobile to a harrow cart, as their fathers niver dreamed of, and the wome
is still carryin' water and churnin' and washin' iist loike the women as come ovet
on the Mayflower. Thin, again, the girls wants some company: On most farm
her only chance is to flirt wid the hirect man, and whin he is a cermann or and
Austrint that chance i. .one. Sure and
yez women has lin talkint for a long toime






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ESTABLISHED 1856. Confidence is the greatest buying of seeds, since you are bying not a finished pro which but only the means by either a success or a martial romplete failure. You will make no mistake in placing
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Toronto
SEEDS

## RAW FURS WANTED <br> am now giving a flat rate on muskrats, which will net you more none than any otber way you can vet, ty tury tre try other way you can get, try it end ste. The highest prices paid for all other turs a word inghy. Sond me a shipment ant lie tac prove it to you. Correspondence solicted

SEED


## You Can Earn This



The Farmer's Advocate and Home Magazine
Brantford Red Bird Roadster
every repect, with coaster brake, mud-guarde, toul kit, pump, equipped
with high-grade. Dunlop tires-a splendid wheel in cory giving us vour spare time for a while walk this summer, you can do so by This offer is open to all our readers-men, women, boys and girls _

THE FARMER'S ADVOCATE AND HOME MAGAZINE, London, Ont. and supplies right away to earn a bicycle. Please send mee instructions
in the summer. Faith, and ye can farm widout it," can't get a girl to be moanin' because y plinty of help on the farm give yer gants comfortable place to slape- not a clothes
closet loirl closet loike Mrs. Finnegan gives her's
Have her git up fresh Have her git up fresh and happy at six
o'clock and lit her be all done wid bist dhress on and her nose powdered a seven in the avenin'. wid two hours off in the afthernoon.
Bedad and yer crazy," wlls, all the
women. "Ye can niver do "Well, do widout the pirls" Kathlane Says Mrs. Currie: "Ladies, the girl is
roight. God niver intinded farmers work eighteen hours a day and other paple ten hours. If we can't make a somethin' wrong. Us grain growers has busted the elevator combine and us and must kape on doin' of goods a lot. We FArmer's Advocate says-'Eliminate the middle man,' and kape on eliminatin' non-producer- and millionaires till we can kape good hours loike our city paple as is livin By this toime the tay is.
the ladies wint home and me tead soon quit achin
Sask.
pat Murphy.

## Gossip.

Ridgedale Heifer Breaks Canadian Record.
One of the most sensational seven-day been completed by the senior has just old heifer, Lakeview Dutchland Wayne Rose, ourned by Dr. F. A. Heslop of Ridgedale Stock Farm, R. R. No. 1,
Freeman, Ont. The official figures for her best 7 day6 give her 31.71 lbs. of
butter and 510.6 lbs. of milk, making her butter and 510.6 lbs . of milk, making her average test $4.97 \%$. She was bred at displaces Alta Posch, the former Canadian champion senior two-year-old by 4.65
lbs., a record which has stood for almost seven years. We understand she is also an excellent individual and was among the Doctor's first purchase in Holsteins experience in testing. It must be remembered, however, that her splendid record did not happen just by accident
as she is sired by Dutchland Colanth as she is sired by Dutchland Colantha producing sires which also sired Lakeview Dutchland Artis, Canadian champion senior 3 -year-old butter cow, which made 34.66 lbs . of butter from 567.9 lbs . of $4.88 \%$, and Lakeview Dutchland Hengerveld 2nd, junior champion bull at Toronto in 1915 and grand champion bull at
both Toronto and London in 1916 and

The sale of the Maple Lane herd pure-bred Holsteins advertised for Tues-
day, April 2nd, will bring into the sale ring one of the smaller but select herds Eastern Ontario, and offers to Ontario
breeders 14 choice females, royally bred at their own price. The fact that Mr. Mashington has done practical!y no testing, will no doubt have a tendency to uszally it is at a sale of this sort when the biggest bargains of the year are picked
up. The foundation females were all selected from herds where testing was
followed, and consequently these all have followed, and consequently these all have
creditable records and a few words here regarding the herd bull, which has been in service for the past four years, will be
sufficient testimony in behalf of the breeding of all the younger things in
the herd. This sire is King Segis Count the herd. This sire is King Segis Coun and he is, on the sire's side, a grandson of King Hengerveld and Blanche Lyons De Kol, the latter being a 33.31 lb . daughter of Pietertje Hengerveld Count $\mathrm{De} \mathrm{Kol}_{1}$
with over 100 A the dam's side he also shows up equally well, being out of a $\$ 1,000$ A.R.O. daughter of the great King Segis. The sale will trains will be met at Solina Station on months credit will be given on bankable paper, bearing interest at 7 per cent per annum. There will be no reserve as
the farm is sold and possession promised the farm is sold and possession promised
by April 15 . Address all correspondence


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Ringbones, Curbs
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Are quiet and | route. Fave part |
| :--- |
| Guy Bell or Willia | Percheron stal France, $74 \times 12 ; 1$

Eanollment
dap
daple sumcessful
800 per cen Advocat

Sterilization of Tobacco Seed.
It is order to obtain strong healthy plants seed beds besentere sowing. Aterilize the tobacco
age of losses percentage of losses in the field from percent-
and Mosaic diseases originate and Mosaic diseases originate in the seed
beds and can be checked by a thorough
sterilization sterilization. be checked by a thoroug not only means heavy losses seedlings reduced yield and very insererior crop,
but the soil also becomies infected witb
bit the disease which becomes infected with of tobacco on it in the future a hazardous
undertaking undertaking. Aside from freeing the
beds of discase, weed seeds re killed by an effect weed seeds are also steam sterilization This alone will pay for the sterilization
of the beds by the sonin quired to weed the beds. The inverted pan method is the most practical and
economical to use in the stean steriliza. tion of beds. A good traction engine can be obtained in most any locality where tobacco is grown. The staming pan or
box, which should be from 10 to 1 feet box, which should be from 10 to 12 feet
long and 6 feet wide can be made from galvanized sheet wire can be made from groved boards $11 / 2$ inches thick. The reinforced will last longer but will cost more than one made of wood on account
of the rather hish at the present time. In either material pan should be made very tight in order that no steam will escape from the pan during the steaming operations. There should be pan equipped with a in one end of the pan equipped with a galvanized pipe and
coupling on which to attach the steaming hose or pipe with the engine. A diffuser should be attached to this opening inside the pan in order to distribute the steam more uniformly to all parts of the pan.
Handles should be on the sides pan to facilitate moving the pan along the bed. Several farmers in a locality should cooperate in the purchase of the The bed should be thoroughly prepared for seeding before steaming. The pan
should be placed on the bed and the edres should be placed on the bed and the edges hirmly pressed into the soil before the
steam is turned on from the engine. Best results have been obtained by allowing
steam to at a pressure of 100 lbs . on the engine. The steam can then be turned off and the pan removed to another section of the
bed. In order to not reinfect the bed one should avoid walking on it after sterilization. The use of two pans will greatly
facilitate the work. The frames should be placed around the beds immediately after sterilization. The beds can be sown
1 to 3 days after sterilization. The surface of steamed clined to dry out more rapidly than un steamed soils and will require watering
more often until the plants are large more often until he plad.
enough to cover the ground.
enough't use too much water at first
Dont as this will have a tendency to drift the seed and small seedlings, giving the bed an uneven appearance. G. C. Routt,
Plant Breeder and Pathologist, Ottawa
Questions and Answers. Veterinary.
Apoplexy.
Pig eight months old, while eating beran to stager, held head to one side pain. Later on it was lying down with all feet working as if it were running. It
lay and acted in this way for 35 pous. I then killed it and a post mortem re vealed the kidnevs very arge, the bladder
very full and the heart was also very large Ans.-This was a case of apoplexy. is unsually caused by high leeding and want of exeruise
Treatment.- Bleding is recommended Tie a string tightly above the knee the
vein on the inside of the leg will fill up; then with a sharp knife make an opening into it. For a pir of this age a smalt tea
cup of blood would be enough to extrat ; then remove the string and pin up the opening in the usual manner, by pressing a small pin through the lips of the
wnund and tving a thread around the pin wound and tying a thread ars. Leatether Another treatment is to purge with 1. oz. Fipsom salts, feed lightly for a few
days and see that the patient takes exercise as soen as he can move.
Prevention consists in allowing Preven
ever day:


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PHONOGRAPH
which really sings.

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"The Phonograph with a Soul"
actually sings. It has stood beside Anna Case, Giovanni Zenatello, Guido Ciccolini, Arthur Middleton, Thomas Chalmers and a score of other great artists; and has sung duets with them, and then sung in comparison with them.

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Bulls of serviceable age an
females not akin.
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Rams and ewes. Heifers in calf to Queen's Edward
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Robt. McEwen. R. R. 4, London, Ont Kennelworth Farm ABERDEEN-ANGUS A grand lot of calves for sale, ages in the
neighborhoord of
of Glencairn at head of of birctor
ABERDEEN-ANGUS
H. Fraloigh, Proprietor, Meadowacreale Farm, Forest, Ont Galmedie Aberdeen-Angus
 Newcastle Herd of Shorthorns and Tamworths
For Sale:- 2 boars 8 and 12 months oldt sicerial


 and Brownlee
 Lakeview Farm Shorthorns

Questions and Answers. Miscellaneous. Automobile Lens. Was the law passed compelling owners
of automobiles to change the lens so that of automobiles to change the lens so that
the light would not shine over a certain the light would not shine over a certain
distance above the ground and not be
dazzly? Will a man be liable if he drives dazzly? ithout having the lenses changel? Ans.- We understand that an Act was
passed passed compeling the change of lens so
as to avoid the strong light. A man is liable if he does not comply with the rules in the Act. Fall Pasture. I have a field seeded to grass that is
very bad with thistles. Ife intend to plow the field in June. What crop would you advise sowing for fall pasture for
cattle, horses and cattle, horses and sheep? We thought of
sowing rape. Would there be danger sowing rape. Would there be danger
of the cattle bloating if they. were not used to it? Would thousand-headed
kale be satisfactory? What quantity do you sow per acre? F. R.
Ans.-Rape would make as satis-Ans.-Rape would make as satis-
factory fall pasture as anything you could sow. It can be sown early in July and
will give an abundance of feed in September. It is not particularly good feed for
horses, but is excellent for cattle shep horses, but is excellent for cattle, sheep
and swine. Care should be taken when
turning the turning the stock on to rape, but once
they are used to it there is little danger of bloating. It is well to have another
field near by for them to rue an, held near by for them to run on, and
salt should be arailable. Kale gives very good vields. If rape is sown in rows,
$21 / 2$ to 3 lbs. per acre will be sufficient: if sown broadcast, more than double that
quantity would be required

Rack Lifter
lifter in our barn. The width a rackthe beams on which it is to be built is
about 16 feet. The lifter is to be station ary: We use a 16 -foot rack. Kindly give
some information regarding the installing of same. What safety devices are neces-
sar:?
Ans.-If installing a rack-lifter vourself, we would advise you to visit some
farm where the rack-lifter is used so as to get some idea of the way it is put up. end of the wagon, resting on a timber well
up in the barn. This may be on a beam,
if tion if high enough, and the szme fixed so that
the windlass will run fairl a rule large wooden wheels with s, sid
dogs are uisel to run the rope on to the windlass It is essential that thes
dogs be solid and that the cateh drops
into place ver readily sit as to bot load when it is drawn ts the proper height,
or to hold it should a rope break. It is necessary th have strong ropes as there
is at hein, strain in ratising the cntire
lead. The two) windlasses would rest he ropes to raise the wagon would be attached to each end of the sill by means
of a hook and link.

Splicing a Rope.
a rope be soliced so that it
will run through the pullers?
2 . How lony ater a fow freshens
should it be unti! she is milleter? Some



Imp. and Canadian Bred Clydesdales
 SMITH \& RICHARDSON G. $\quad$ COLUMBUS, ONTARIO Clydesdales and Shorthorns $\begin{gathered}\text { I still have some Shorthorn bulls, } \\ \text { twelve and thirteen months old }\end{gathered}$ four great-gramsons of Roval Blood; these are an excentionally fine Tot; also a number of females. Ind
spection invilul. Aberdeen-Angus manc

KNIGHTON LODGE STOCK FARM
SHORTHORNS—T. L. Mercer, Markdale, Ont

# Do Not Forget the Dates! <br> OF THE GREAT WESTERN ONTARIO <br> <br> SHORTHORN <br> <br> SHORTHORN <br> <br> SALE <br> <br> SALE <br> TWO DAYS OF UNEQUALLED SELLING <br> <br> London, Ont., Tuesday and Wednesday April 2 and 3 

 <br> <br> London, Ont., Tuesday and Wednesday April 2 and 3}

## 100 FEMALES - 50 BULLS

This is the best lot of pure Scotchland Scotch-topped Shorthorn
cattle we have ever offered. The most popular families of the
breed are representef Solid breed are represented. Solid foundations for strong herds may
be selected at this sale. Show material of the the
ond be selected at this sale. Show material of the highest order is
included. The females are all of the type and included. The females are all of the type and breeding rodar is
to make up the best herds of Western Ontario, and in the males
are included more real choice herd bull prospects than have been sold in a single sale in Ontario in recent years. Good sires are scarce - we have fifty from which to select; they range from all the females are of of age and are ready for service. Nearly calves at and or have calves at foot, and all are guaranteed breeders.

Selling at the Fraser House Stables on April 2, and at the Brunswick Hotel Stables, April 3.
Come Prepared to Stay for Both Day
Dinner to the Live Stock Men will be given on the evening of April 2
The Western Ontario Consignment Sale Company. ${ }^{\text {for }} \mathfrak{c} \mathrm{catin}_{\mathrm{WRITEGUEs}}$ HARRY SMITH, Hay, Ont.
Manager of Sale

War Time Seed Supply. Edior "The Firmer's Advocate"
Operating under the direction of Operating under the direction, of the
Seem Conmusisioner and composed
members of his star members of hissioner staft, the Seed Composed Purchasin
Commission Commission aims to insure a reser
supply of staple farm seeds for distribu supply of staple farm seds for distribu
tion where needed. Outside offices of the Commission are maintained at Regina
Toronto and Quebec City. The Seed Branch staff of seed inspectors and the chain of Goverument elevators, unde missioners of the Department of Trad and Commerce, co-operate with the Seed cleaning, storing, sacking and distribution of seed supplies. The grain trade als assists in purchasing on the basis of
small brokerage commissions. The purchases of the Commission ar Fnanced by appropriations made by sales are deposited to the credit of the sales only in car lots Commission make of seed and subject to payment by sight draft with bill of lading attached. Price the cleaned seed as nearly as cast o All of the cereal grains purchased for as to definite staned subject to inspection srades. Small premiums per bushel are seed with car lots which will grade for Relatively amited dockage in cleaning. in the quantities required only in a few tems; hence the operations of the Combusiness of nut interfere unduly with the named varietics.. sen who always handle The seed sirplus or requirements of each district affecert in consultation with the where supp, ep in are needed Agriculture, odies frequently place orders and assist handled dismution. Much of the seed distributed through the usual channels governing
farmers farmers' chatis or, groups of farmers take


Red Buff and Fire-flashed Colors WRITE FOR FREE SAMPLES TO-DAY INTERPROVINCIAL BRICK CO. OF CANADA, Limited Office: 154 SIMCOE ST., TORONTO Plant: CHELTENHAM, ONT.

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 well-grown fellows-reds and roans-and priced right. Can also supply females in most any yumbers
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SHORTHORN CATTLE AND LEICESTER SHEEP. HERD ESTABLISHED 1855-FLOCK, 1848
 fulls and heifers to offer. Also a particularly good tot of Leicester rams, mostly from II mp. chewes

## IMPORTED SHORTHORN BULLS


PURE SCOTCH SHORTHORN BULLS
Our present offering of young bulls, sired by our herd sire Broadhooks Star, a son of the great Newtom
Ringleader, Imp.. are the best lot of bulls we ever had on the farm. Cores and see them, or write fol particulars. We also have females of the richest breeding and highest individuality
GORDON SMITH. Woodslee Sta., M.C.R., Essex County. SOUTH WOODSLEE, ONT

## GLENGOW SHORTHORNS

## Scotch breeding

 WM. SMITH, COLUMBUS. ONTARIO. Myrtle. C.P.R.. Brooklin, G.T.R., Oshawa, C.N. SEVENTY-THREE HEAD OF SHORTHORNS Fontir $=77521=$, at the head of the herd. These yong buill bar in ape from 8 to 15 months, and are forimmediate sale SHORTHORN BULL S will. A. Dryden R1 Brooklin, Ontario Count of my own breeding, around a year old, best families and Mryle.. CP.R. Brooklin.G.G.T.R.
good colors, are for sale. Also a few yours, imported bulls. Mrule
advantage of ordering in car lots and
thus serve as a control on prices asked by thus serve as a control on prices aske
the trade.
SEed Commissioner.

## Gossip.

 Brantford Dual-Purpose Shorthorns. The Lynnore Stock Farm, situated nea property of Frant Cord, Ont., and the one of the mot Cockstutt, is perhapa establish : noted stock breeding that it compares the Dominion. Not with country, but the specialty here, for the past few years has been imported dual-purpose Shorthorns of the better sort, and as the selections with only few
exceptions have always been mate fy exceptions have always been made by Mr .
Cockshutt personally, the Lynnore herd has gained in prominence very fast. A time, will, however, furnish a at any planation as to the cause of this sulcess females excelent type of imported breeding lovers seen in the stables will please all
lovers and admirers of the breed and the present offering of young bollls from these
dams and sired by the former herd sire Lynnore Duke (imp.), are well worthy
of inquiry and every on the part of those every considiceration now in need of a high dlass sire. They have seren,
eight, ten and eleven-thousand-pound backing and sires such as Conjuror, Dauntless, at the tops, in all their pedigrees. The newly imported herd sire, Thanet Marquis, aresent doing excent two-year-old, is at re used exclusively on all of the cows in the herd. He is got by Kings-
thorpe Marquis lyy Barringte his grandarquis Lady Barrington Star, and
b. milk read, has a b. milk record for the year. L,orld $10,000-$
tord, the ford, gte emior sire, is also a promising
youngster both individually. breeding. Being got by the now noted
Alberta sire Direator the Alberta sire. Director, and out of the
$10,000-1 \mathrm{~b}$. cow, Rosebud 12 th, he should be one of the strongest bred milking bulls
the breed has produced.


THE FARMER'S ADVOCATE.

## Gossip.

Richardson Shorthorns at Columbus. There is no better evidence of the worth of an aged bull than that which can be Proud Monarch, in the herd of Richardson Proud Monarch, in the herd of Richardson
Bros. of Columbus, Ont. Proud Monarch is a Brawith Bud-bred bull by Blood Royal (imp.), and came to the Richardson herd only three years ag3, but one needs
enly to glance over the score or more young things now in the stables by this
noted bull to know that ha is easily one noted bull to know that he is easily one
of the country's best breeding sires. The 1916, 1917 and 1918 calves are all oy him and among the 1917 calves are a half dezen choice young bulls, almo: of a place in any herd. Next in service the senior sire are being bred is the young imported
Marr-Clar
$\qquad$
$\qquad$
$\qquad$
We ending Gilts are also three in number to
which are added a couple of extra good
beifers freshening this spring with their
$\qquad$
$\qquad$ one, and the Louises by two, making in
all a herd of 65 lead from which there are offered at present as nice a lot have seen priced for sale for some time,
to say nothing of the bulls mentionet

Questions and Answers. Miscellaneous.

Self Feeder for Hogs. Can you give me the plan of a self-
feeder for hogs?
recommend for what feed do you recommend on pasture? pigs of 100 lbs. to be
Do you recommend tankage?
Ans.-The plan and description of a
self-feeder for sell-feeder for hogs was published in the
January 17 issue of the Farmer's vanuary Oats and barley make very sood-
vocate. Ond
hog feed. Shorts mav be used to adhog feed. Shorts may be used to ad-
vantage. We would advise feeding root vantage. We would advise feeding roots
to growing hogs. Tankage has been found to give good results, es
skim milk is not available

Farming on Shares.
a farm is the customary way to work plowing all done and furnishing the seed? off on shares? 3. What will clean black silk poplin?

Ans.-1. There are a number of ways
of renting a farm on shares, depending of renting a aram on shares, depending
on the nature of farming, the quality
of the soil, and the ammount of material on the nature of farming, the quality
of the soil, and the amount of material
furnished thy the furnished by the owner. In working
farms on shares, the apportionment of expenses borne and proceeds received N the tenant commonly runs from one
third to forty per cent.; thirtv-five per cent. locing a fair average. This would hand, thilthings, owner live stould furnish the



## Springhurst Scotch Shorthorns

 Harry Smith, (Exeter Station, Huron Co.,) Hay P.0., Ontario SALEM SHORTHORNS Herd headed by Gianford Marquis (Imp.) undefeated in England and Canada. Sire of the winning
group at Canadian National, 1914. 19.15, 1916. Can suply cattle, both sexes, at all timat Robert Miller, Stouff ville, Ont
 Imported SCOTCH SHORTHORNS
 OAKLAND 60 SHORTHORNS mosum mand Blairgowrie Shorthorns and Shropshires
 SPRING VALLEY SHORTHORNS
 FIFTY IMPORTEDSHORTHORNS PLEASANT VALLE Y FARMS


 A.G.Farrow,Oakville--SHOR THORNS

na, a great son of the great Right Sort Imp. i, ones leit. Prices right n. Trains every couple of hours each way.

CLYDESDALES an quality to tochiel (Imp). Still
Brooklin, C.N. R., or My Mytilen price C.R.
ENGLISH DUAL-PURPOSE SHORTHORNS

## Cov BUILD

IAPLE MUI SUK FARM, brantrord, ontarlo
MAPLE MIML SHORTHORNS

## The Feed for Hungry Galves

 Corv the mink and help the n. You do not need to feed milk to res i. 1s a perfect substitute for milk, pare ininl rgans of even the youngest calf digestive want rapid development and healthy Royal Purple Calf MealWhen yc izer you the goods thousand When a gold ore the ounce should $k$ active N Soda, the

DR. WI 25 Madiso

## 號

## Fertilizer Quality

When you buy a ton of fertilizer you are buying what's in the goods and not merely two thousand pounds of weight.
When a smelter buys a ton of gold ore he insists on knowing the ounces of gold in it. You should know the amount of active Nitrogen, Nitrate of Soda, the gold of the fertilizer.

## Write for Books

DR. WILLIAM S. MYERS 25 Madison Avenue, New York


The world is short of horses. To get the most out of your team use

## MICA

AXLE GREASE
Th as mach as any other
The mica flakes fill the pores and crevices in the axle and
the grease keeps them there. the grease keeps them there.
Mica Grease means fresher Mica Grease means fresher
horses at the end of the horses at the end of the day and longer life

EUREKA
HARNESS OIL
"Lengthens leather life"
Overcomes leather's worst enemies-water and dirt. It makes harness pliable and ing of stitches and imparts that rich black lustre to all dark dressed leather.
Sold in standard sized packages by tive
dealers everr where.
IMPERIAL OIL LIMITED $\underset{\substack{\text { branches in } \\ \text { all cities }}}{ }$

 BUILDIIGOREPAIRING

THE FARMER'S ADVOCATE.
Cost of Increasing th
Make of Maple Syrup.
Editor 'The Farmer's Advocat'":
I have read with interest mann writing
on increased production for this cominn on increased production for thin coming
season The agitation for ant increase of
maple products particularle interct It have received partuctuarly int erester me me
all the available maples to ta) all the available maples that I have thi
spring, in an effort to produce maple
sugar or syan sugar or syrup to leseen the ambunt
cane sugar needed.
not see that it would my case, I can
and losing money by increasing our preven
sular-making outfit. Our preesnt out fit
consits or eighty buckets. If wee wers to thegin
sugar-making on a lorge wer sugar-making on a large scale, we woull
have to have a larger jutfit and purchase
an evaporator eight hundred treec. This would mean
that we would nead over new sap bucket, and this .ven hundred
an outlay of around $\$ 20$. The entil
would cost another $\$ 30$.
ond
 ing the evaporator, also the flor support
lator, siphons, scomp
 sut fit would cost me oner $\$ 535, \mathrm{n}$ nt in in
luding any cans for cluding any cans for holding the fini ined
product. It would also cost considerable to erect a suitable building for the
evaporator, and at would take three on
oour men to handle the outfit and do the chores around the barn. It is almost im-
possible to secure three men even at $\$ 3$ per day. Unless it were
cood seacon, I would not make than interest on my investment. Of
course, I would be doing work of National Service, but I would like at least a little
profit. For this yea I purpose malina pronch. For this yea- I purpose making a
much syrup as I can with my old outfit.

Questions and Answers. Miscellaneous.

## Renting a Farm

 A rents a farm to B but has no leasor witness to the bargain, and has no done any work on the farm. C buys the
farm from A and pays him for it Carm from A and pays him for it. Will C
be obliged to rent the farm to B, or may he work it himself?
Ans.- We cannot see how C is obliged
to rent the farm to B under the circumstances. If B had a lease on the farm, A would have been obliged to sell subject
to the lease. With some men a verbal agreement is as good as a bond, but if the agreement was considered binding ${ }^{A}$
should have consulted with B before dis. posing of the land.

## Fence Queries.

Can I compel my neighbor to build his
line fence between us?
Because he does not work his farm for about thirty rods
from my fence he will neither build his half of fence nor pay for having it built. thirty rods between his working land and my fence is in commons, but is just as workable and level as what he works.
I might sav I have taken the Advocate for 17 years, ever since I started farming on my
highly.
$\qquad$ lawful fence between his prowerty and Nawfin fence between his property and

Mixing Wheat - Yeast Treatment. 1. Would it be all right to sow spring
wheat with fall wheat that was damaged
with the frost for marketatle grain?
2. Will ycast bring cows around, if so
 train from the south at Salford.

CARMAN BAKER <br> \section*{DISPERSION SALE OF <br> \section*{DISPERSION SALE OF <br> <br> 60 Pure-Bred Holsteins <br> <br> 60 Pure-Bred Holsteins <br> <br> ,} <br> <br> ,}
at Highwood Stock Farm, Ingersoll, Ont., at $\mathbf{1 0 . 3 0}$ o'clock, on
Wednesday, April 10th, 1918
 and Duchess Wayne Calamity 2nd, at two vears, 16,714 lbs. milk and yar 86 lbs. butter in 1 year. We are also offering a daughter, 3 granddlaughters, and
a number of great-granddaughters of Firment over 20,000 lbs. milk and over 800 lbs. butter two vears in a record of Thirty head in this sale are the get of King Isabella Walker (imp.) whose dam has a record of over $22,000 \mathrm{lbs}$. of milk, and 987 lbs . butter in one year,
also a grandson and granddaughter of Queen Butter Baroness also a grandson and granddaughter of Queen Butter Baroness, 33.17. Fully
$90 \%$ of the entire herd carry blood of the Canadian R. O. P. Champions. Conveyances will meat morning trains at Ingersoll, and the C. P. R. noon
write for catalogue. lunch provided
T. G. GREGG, R. R. No. 5, INGERSOLL, ONTARIO
auctioneers:-MOORE \& dEAN. WM. PULLIN
DAISY GERBEN VERBELLE Her record is 31.94 lbs of butter and 625 lbs . of milk in 7 days-and she's a
show cow. Also note KING GERBEN ALCARTRA, a son of this great cow and sired by King Alcartra Walker, which is a son of the great 34-1b. 4-year-old cow Keyes Walker Segis. The three nearest dams of this youngster average 33 lbs . of butter in 7 days. He is a beautiful calf, and sells with two heifers (full sisters), Lily For Catalocues see the cuub advertisement. BRIGHTON, ONT
CLOVER BAR HOLSTEINS
 SILVER STREAM HOLSTEINS

 has a 30-lb. daughter. He is a youngste
but hell grow.
A. AREWEL.

LOW BANKS HIGH-RECORDS: SONS OF "FAIRVIEW KORNDYKE BOY"



Herd headed by King Walker Pride (C. H. B., 17362), (A. H. B., 207261), who is a son of the famous
King Walker and the great show cow, Pride Hengerveld Lennox, 30.12, who is a granddalyter Blanche Lyons De Kol, 33.31 and King. Sesis, who iva grandsire of world-champion cow, also of the
two highest-priced bulls of the breed. Young stock for sale.

EVERGREEN STOCK FARM HOLSTEIN-FRIESIANS


## Riverside Holsteins

on. Caledonia. Ont.
Pioneer Farm Holstein Herd With big yearly rerords and high average butter-fat test, an



## Brant County Holsteins

IN THE FIFTH aNNUAL CLUB SALE


Selling at Hunt \& Colter's Livery Barns, in the City of
Brantford, Ont., Tuesday, April 2, 1918E more the Holstein Breeders of Brant County and district ask your co-operation in making their annual sale the usual success, having consigned to this sale forty head of as choice cattle as were ever offered in the history of the club. The thirty-six cows catalogued are young, and mostly all freshen around sale time. The four young bulls are all real strong calves and extra well bred your presence at brantford is again requested on april znd

RIDGEDALE STOCK FARM


SUMMERHILLHOLSTEINS
.7 net
30.76 junior four-year-old; sire's dam 34.60 . The three nearest dams average over
100 lhs. milk a day. Can spare a 100 lbs. milk a day. Can spare a few good heifers
D. C. FLATT \& SON,
R. R. 2 . $\qquad$ HAMILTON, ON MAPLESOILSTOCK FARM OF HOLSTEINS


| 43 | $\frac{\overline{\text { THE }} \text { DUNROBIN }}{\text { DUAR }}$ | 43 |
| :---: | :---: | :---: |
| REGISTERED HOLSTEINS <br> TIIE PROPERTY OF COL. JOHN A. GUN: will be held on <br> Friday, April 5th, 1918 <br> At the Union Stock Yards, Toronto <br> THE DUNROBIN FARIVIS, BEAVERTON, ONT. |  |  |


| 29.68 lbs. butter, 563.7 lbs . milk This is is the official recorord of <br> Burkeyje Hengerveld May Echo (12658) $\qquad$ <br> JOS. O'REILLY, R. R. No. 9, PETERBORO, |
| :---: |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

DUMFRIES FARM HOLSTEINS
S. G. \& ERLE KITCHEN


## Gossip.

Springhurst Shorthorns.
fiur bulls advertised in these Harry Smith of Springhurst
cter, Ont., all are of serviceable cter, Ont., all are of serviceable
111 may be called herd sires.
smith's miters offerings at all times lay forced, which should add heir worth at the head of a ane best sire ever used at the present herd sire at Springis sire with sollowing a close nally as famous at maturity the four calves at maturity.
mellow fello to is . mellow fellow of the right vi, while the fourth is someplaner breeding although a
individual. Write at individual. Write at once for
ulars about these bulls and a orf about these bull

March 28, 1918
Land Settlement in Canada The development of the land resources
of Canada, and the skill and constructive ability which have been applied to the bularing up of che pop during the past twenty years combine to make one of the most remarkable achievements in the
modern history of nations. The enormodern history of nations.
mous increasis in population and the settlement of the Western provinces between
the vears 1891 and 1914 were the result of a combination of circumstances, ${ }^{\text {amere }}$ we development of the transportation system or the country and the skillful organization of the Canadian govern-
ments. ments.
matter to what extent it may now be found that the absence of proper planning and a more scientific organization of settlement might have secured a greater
measure of success in connection with the measure
development that has taken place.
The defects in the system of land set-
tlement in Canada have only becone tiement in Canada have only become evi-
dent or, at least, pronounced in recent years. Even in the United States, where a much longer period of time, it is only lately that the people have begun to recognize the fact that a scientific plan of
development prepared in advance of setdevelopment prepared in advance of set-
tlement is essential to enable a sound, economic structure to be built up.
Whatever may be said as to the success
of the system of land settlement in of the system of land settlement in
Canada up to a certain point, the time Canada up to a certain point, the time
has come to abandon careless methods of placing people on the land without proper orgazization and careful planning. If the farmer is to be kept on the land he must
have the kind of organization and facilities provided for him to enable him to make profitable use of the land. stronget tie words, the what farmer requires a land. He requires the facilities and means to live as well as to exist; the enoyment of better social conditions for the use of capital at a reasonable rate of interest, and the satisfaction that the for utilizing the notiturg his products and country are not controlled to the disadtoo muct on the class. We - have relied attract the lathoring farmer to the soil of Canada, and too little on the more endurient organizat oon of the actual development of the land.
To keep the farmers on the land when hey get there has become a greater oo the land. They are said to be leaving time, and we thousands at the present acres of lane, wre thich had that millions of one times, are now deserted, and that the ductive of much poverty and degradation or not, the fact that they ara exagerated affairs that demande indicates a state of nen now hecitate to go on the iand in the in the second place? Why donial to stay stay away, with the injurious wonss their absence? The the lifee outstanding First, the mumerous ills caused by the want of proner oly speculator;, and the and of proper plans for the economic use
and development of the land. Second, the compelling social attrac-
tions and the cduater tions and the educational facilities of the Third, the lack of ready money and of
adequate return for the labor of the farmer, leerause of want of co-operation,
rural creedit and of facilities for distribu rural credit and of facilities for distribu-
tion of his To secure any real improvement in
rural life anal conditions we must try to bring tract of land held for speculative
purposese Purposes
schemes us.
use, prepare development

 that ane
larger shis.


THE FARMER'S ADVOCATE

This Book will help you Stop the Leaks

## in your Farm Profits

W Farmer called it "What the with Con- Fire on a farm usually means describes it, but a deste that exactly water-pressure. Concrete cannot idea of how vital its help is to you. burn-another leak stopped.
To realize this youse among your stock is stand that Concrete is a big factor in usually due to unsanitary consuccessful farming. Just consider the entirely remedied by building be common leaks your farm is subject wells, water tanks, septic tanks and to, and how Concrete stops throseleaks barn floors of Concrete.
Wooden Buildings rot under the stress of time and weather. Repairs peculiar to the farm that is built cost money Concrete won't rot. of old-style materials. For instance Rats are another source of leak- mud was never intended for the
age they age they gnaw their way through paving of a feeding lot. Build your crete, which is rat proof. $\quad$ leeding fioor of Concrete, and there


Canada Cement Company, Limited


Hospital for Insane, Hamilton, Ont. ONLY THREE BULLS LEFT
 (2) Born September and December. 1917, of A. 1. R.O.P. APms.
APLY TO SUPERINTENDENT.

## Roycroft Farm Holstein-Friesians

## 

 W. L. SHAW - ROYCROFT FARM - NEWMARKET, ONTARIO.


Do DIRY CONFERENCE










For Milk, Butter, Cheese, Veal, Holstein Cows Stand Supreme one animal you
want more.
wite
holstein-friesianassociation
HOLSTEINS


Why Northern Grown Seed
Potatoos Increase Yields.


Some big advantages that you can obtain only in the NEW DELANAL CREAM SEPARATOR
GREATER CAPACITY: Without EASIER TO TURN: The low speed
increasing the size or weight of the new of the De Laval bowl, the short crank
bowl, its capacity has been increased.
its unusually large capacity for the size and $\begin{array}{ll}\text { of } \\ \text { bowl, its capacity has been increased. } & \text { of unusually large capacity for the size and } \\ \text { CLOSER SKIMMING: The improved } & \text { weight of the bowl, and its automatic oil. }\end{array}$ bowl design, together with the patented ling throughow, make it the easiest and
milk distributor, gives greater skimming tiring to the operator. milk distributor, gives greater skimming
efficiency. EASIER TO WASH: Simpler bowl lower bowl speed, high grade of materials
construction and discs, caulked only on the
usper side, make the bowl and careful and exacting workman-
ship, the De Laval outlasts and outwears upper side, make the bowl easier to wash. ship, the De Laval
HAS SPEED-INDICATOR. Every
HAS SPEED-INDICATOR: Every
New De Laval is equipped with a Bell ASSURED SERVICE: In almost
Speed-Indicator, the "Warning Signal" every locality there is a De Laval
 It you haven't the spare cash right now, that need not stand in the way of
your getting a New De Laval at once. We have an arrangement with De Laval agents which makes it possible for any reputable farmer to
secure a De Laval on the partial payment plan- a small payment al the time of purchase and the balance in several instalments - so that your De Laval will
actually pay for itself while you are using it and getting the benefit from it.
THE DE LAVAL COMPANY, Ltd. LARGEST PMANUFACTURERS OF DAIRY SUPPLIES IN CANADA.
Sole manufacturers in Canada of the fnmous Do Laval Cream Separators
and Ideal Green Feed Silos. Alphn Gas Engines, Alpha Churns and MONTREAL PETERBORO

$\qquad$ RAVEXSDAIE MRSHRES


March 28, 1918
to prove the point. On the Central Exmmaturity was emphasized in a pacticu-
larly forcillo way last summer In larly forcille way last summer In
1910, Profes, r W. T. Macoun, Dominion 191 B, Profess r W. T. Macoun, Domimion
Horticulurist, conducted an experiment with potatoes on three different types of soil-sand, wlay and muck The potatoes planted on the murk happened to be near the boundary of the farm and Profewor
Nacoun dixoserd, early in the fall, that workmen were a cating these potatoc. T., preserve mitormity in his experiment he had three lots dug in August. This 1 in-
matu e seed planted in 1917 gave astonishing results, sielding very much more than mature seed of the same va iety and planted on the same soil. practical growers held in Toronto in Octaber, 1917 , this question was thorough1y discussed, and it was gene ally agreed by all present that immaturity of seed very greatly increased yields. At that
meeting, Walter Cook, of Cataraqui, exmeetung,
plained his methods. He ploughed his sod in july, after a crop of hay had been removed and planted enough potatoes to
provide his sead stock for the coming provide his seed stock for the coming
vear. By the time frost had cut down the tops, the immature seed had developed sufficiently to be used next spring. By these methods he claims to have increased bushels per acr
In Northern Ontario, owing io climatic conditions, the seed, while growing large size very seldom matures. Thi
factor of immaturity is though to be on very impartan! reacon why nort hern seed when planted in Old Ontario, gives such
outstandine result outstanding resulte
$\ln$ a seites of
In a series of experiments conducted Ontario Agricultural College, has proven the relative merits of seed postatoes grown
in Northern Ontario, Vew Brunwick and in Northern Ontario, New Bruniwick and
Old Ontario. The sced from these dif. ferent sources was planted side by side on exarly the same kind of oil. The
oield last vear was 3.50 bushels, 318 bushels bield last jear was 3.50 bushels, 318 bushels
and 200 bushel, respasticely and these and 200 bushel, respectivel; and these
resalts may be taken as reprecentative of the five yars' operation.
factorycal revtlicers have Mane Mager of the Garnia Vegetable Corowers Asso iation, the members to plant seed potatoes grown in Northern Ontario. He explains in this
report, that such seed plantel by memters of his Suscocedion inted by memintreased their yelds at least 20 per cent.
(i. A. Willianis. Peterlas
 almeve the vielthobtainelf from home-grown seed. Co Bridger \& Sons, Sarmia; II:
Ioak, Petetlero, Ontario; Guth ie Bro:, harna, all written to the effert that Sarnia, planting of nort lern-grown seed potatoes
they have incraced their vidl foum on in conjunctien with the scientifices periments alreaty with the scientaific exdusively that northern-grown seed
potatoes give fur better results in old
Ont an invectigat ion wars undertaken in the lages of encouraking regarding the advan-
in Sorthern in Vorthern Omtario Dr. Zavite, II: A Coubhin, the Chicf Dominion Path-
ologist in (hutario, and the Asistant
Commisioner liorthern Ontariw where they district in
tatoes. Their mowhod pobest potato growers, examine the the generally and make minute in the crops several hundrexls of hills in each field
From this intreertion they calculated the percentage of di.w.e. ence. Thes visited
8 growers in the: north.
8 Byt they decider thicy fini-hed the northern trip tion they wanter had not all the informaof the condiantw. The had knowledge know acturan imblot, but they did not Ontario, paratrizul, the condtitions in on old
of physiolevic
 Ontario whi whod three districts in Old
ing-Camalized in potato grow. ing - Carodt. C...wnshiped in potato growIfdlevex, Fi. Torwnship in the County in the Count ing Carloton.ester Township In New (1....ti, they found but 6 per
cent. of feri...
phyinlon.

 | pond verr in Old Ontario they |
| :--- |
| por |

THE FARMER'S ADVOCATE


## as it Should be Sown

AGOOD START is half the Battle -sowing your grain with a Massey-Harris Drill is a big factor in securing a good start of grain and a bountifut harvest.

Seed Time is approach ing-Are you ready? Every day counts-delays are dangerous. Don't take chances with an inferior Drill, but get one which can be de pended on to sow your grain right. Get a Drill with a reputation for Reliabilitity under all Conditions-It's better to be Safe than Sorry.

uniformly in any desired quantity and without injury to the seed.
Strong Steel Frame holds all parts in proper relation to ensure free action of all.
Positive Gear Drive.
Simple and easy control -one motion of a Lever lowers the Furrow Openers, applies pressure and starts the feed-the opposite motion raises the Furrow Openers and stops the feed.

MASSEY-HARRIS DRILLS
are made in a wide range of sizes and with Hoes, Discs or Shoes Grass Seed Boxes, when ordered.

M A S S E Y-H A R RIS CO., Limited



[^1]
## "Kindling Fires in Cold Rooms"

 exceptional benefi-
cence. Any citizen might justly exert himself to deserve such a commendation.
No other expression could more aptly describe the work of a life insurance company, because it is devoted to the kindling of fires
Take the Mutual Life of Canada. Since its organization in 1869, nearly twenty-three millions of dollars have been distributed among policyholders or their beneficiaries
The hearth-fires still burn in many homes that to-day would be desolate were it not for Company.

## The Mutual Life

Assurance Company of Canada Waterloo, Ontario


BERKSHIRES

CLEAR VIEW YORKSHIRES

29. ELMMURST LARGE ENGLISH BERKSSHRES
 Prospect Hill Berkshires


Ch

30-1
20-lb

40 Yo

12

Blood of

Sires o

# Belleville Holstein Sale 

## Wednesday, April 3rd, 1918

Cheer Up

30-lb. Cows
20-lb. Heifers

40 Young Cows

12 Bulls

Blood of Champions
Sires of Renown
100 Head

Sellers

Railways

Address

Have you attended SOME sale and been disappointed? If so, remember that many of the good ones are still at Belleville, and will be offered on April 3rd. Not worn-out, exhausted cows, but young, vigorous animals, eagerly awaiting a chance to become famous.

LOOK HERE.-We are selling some $30-\mathrm{lb}$. cows in this sale, young cows that one of our new breeders just gave a little extra feed and they made considerably over 30 lbs . easy well-Belleville Holsteins seem to have mastered that 30 lb . stunt-when they change hands-at some Belleville sale.

FUTURE CHAMPIONS.-About 50 per cent. Fresh, and 50 per cent. Heavy in Calf. Records to 26 lbs . at 3 years, and several 2-year-olds well over 20 lbs .

BARGAINS.-Because we have not had help enough, or because we have been too lazy, or because we have been too careless, we are selling 40 young cows without
records. They will furnish many BARGAINS. Why? Because they are unproven records. They will furnish many BARGAINS. Why? Because they are unproven and when they get a chance they will become famous. That's Belleville Past History.
ONLY A DOZEN OR A BAKER'S DOZEN.-Good bulls, from 30-lb. dams, 28-lb. dams. Well-bred, husky chaps. The Belleville kind. Bred in the purple. Sold cheap.

WHERE CAN YOU EQUAL? - Nearly the entire offering are descendants of the Belleville champions, May Echo, Daisy Pauline Pietertie, De Kol Plus, etc., in the yearly division; sisters and brothers of May Echo Sylvia, 41.00 (world's champion); Lulu Keyes, 36.05; Keyes Walker Segis, 34.65; Plus Pontiac Artis, 31.55; etc., in short test division.

> Daughters of King Segis Alcartra Spofford, Inka Sylvia Beets Posch, Pontiac Hermes, Plus Burke, Choctau, Velstia Triumph, Korndyke Aaggie Lad, Count Segis Walker, Pietertje Francy 3rd, Admiral Ormsby, Sir Sadie Korndyke Segis, etc.
> OF THE BELLEVILLE KIND.-To be sold absolutely without reserve on April 3rd. Our Club protects the buyer by imposing a $\$ 50$ forfeit on each animal for by-bidding.

THESE MEN ARE YOUR GUARANTEE:
A. D. Foster.
Ed. B. Purtelle.
J. A. Caskey.
E. B. Mallory.
S. J. Foster.
A. Parkes.
W. Fred Fallis.
J. MacCalpin.
A. E. Phillips.
J. M. Branscombe.
Peter Cave
Carmen Baker.
D. H. Dick.
A. McDonald.
Fred Hillman.
Fred Dinnyes.
Fred Dinnyes
Elmer Craig.
Railway connections - Main line G. T. R., C. P. R. and C. N. R.

To Get a Catalogue, Write a Post Card Addressed to

## F. R. Mallory, Franktord, Ont.

[^2]
## Standaro Reliance ( MortgageCorporations

THERE was a fair attendance at the annual meeting of The Standard Rellance, Mortzaze Corporation held




 The President of the Corporation, Mr. N. H. Stevens, took the chair, and Mr. H. Waddington, the Managing-
Director, wan reausted oto act as secretary.
The
 Director gave a detalied address, dealing in particular with the several items in the balance shect, and givin




 Several of the sharehotarers present expressed their rlieasure at the fine show ing made and at the informatlon siven, aster which the motion to adopt the report was put to the meeting and declered carried unanimously.


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r

## THE DEEPER MEANING

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## FARM

 IMPLEMENTSThe name "Bissell" stands for quality of recognized Merit and Superiority. Business in its highest aspect is "ESSENTIALLY SERVICE". Just as "Greatness is in proportion to service" in an individual, so the Implement whichi yields the greatest service to farmers is the best article. Look for the name "BISSELL." Disk Harrows bearing this name Silos Disk Harrows Land Rollers $\begin{aligned} & \text { are "Built for Business," and none others are genuine. } \\ & \text { Built also in sizes for use with Tractors, }\end{aligned}$
T. E. BISSELL CO. LTD., ELORA, ONT.


## Riverside Holstein Herd Salee. In reporting a feew 'Vrent sales. well bred young bulls to brecters, J. II. Richarisem of Riverio Farnu, Calledonia, Mot., ulvises us that he still has severil of the Inst bred bulls on hand he has ever raiusul on hand he has ever raiseld in the farm. There are, for instinnce There are, for instance, a pair of ten. months twin caluncs $29.42-11$. Toitilla of Riversiile, dam of the former Canadian R. (). IP. champion and these are sired by King Johanna Pontiae Korndyke, a, grundson of the great Pontiac Kornd ke. There are also a mumber of other butlls ipl to tere are also of age and from daushtors months Johanna Pontiac Korudy ke and sired by ihe herd sire at Riverside, France Bon. erges Hartog. The former sire now has 26 R. O. M. daughters all with rewas hewten $17.62-1 \mathrm{lb}$. senior yearlings to 23-1b. junior erges Heyer-nlds. Francy Bartog it will be remembered is a 24.15 lbs ., second highest senior the Year-old in Canada, and his dam was a sister to Jennie Bonerges Ormbby, 3 butter in 7 dars for five consecutive years. but On the sire's side he is a grative years. Royalton De Kol Fern, a $34.6-1 \mathrm{lb}$. Several of the recent sales referred to were a follows: A 3-weeksold calf out 30.49 lbs. and by the herd sire, to G.E. Nivond of Cains 1) wod Kol Cainssille; a son of Toitilla 1) Karastic, the 29.42-1b. cow of Ingersoll, and a son of Toitilla Sar: astic Re, 28.s. Ibs., to (ieo. Ellaoot, <br> Rabbits. Nerage household would forme the main Nerage household would forme the main It is extraordinary how many people sluulder when rabbits are mentioned as It is extraordinary how many people sluulder when rabbits are mentioned as Tood And yet out of these very people ninco out of ten would certainly not be Tood And yet out of these very people ninco out of ten would certainly not be alle to distinguish any part of a properly alle to distinguish any part of a properlychicken. Is a householdchicken. Is a household wirs as a neew industry or a m most ovorthy character; as an auxiliary to making little wirs as a neew industry or a m most ovorthy character; as an auxiliary to making little to a long way in town or on the farm, to a long way in town or on the farm, The rawn deserves our best attention at the present time. Nowadays the pet tock k show without a oood rabbit exhibitit The rawn deserves our best attention at the present time. Nowadays the pet tock k show without a oood rabbit exhibitit is dec didedy incomplete The pet stock juurnal without a rabbit column does not is dec didedy incomplete The pet stock juurnal without a rabbit column does not "ist. The time is coming when the rallitit, now with most Canadians a sub "ist. The time is coming when the rallitit, now with most Canadians a subfect for jest, will be one of the growingfect for jest, will be one of the growing <br> <br> nlust ries of our country. N. McEvor. Liork,

 <br> <br> nlust ries of our country. N. McEvor.Liork,}旬

For Greater Production.
following letter has been reevived
R. Mi.litts, Principal of Mt Ru. Mc.inty, Principal of Mt iith the most hearty co-opperation Milnerintendent General of Indian Hent go out aboutut the middle of
 Fitance onstitute senior firm this vear with -thure a few girls to assity tarners'
These bovs are well trained, and m marhinery They cein remain
midsummer, or exen larvest. iidsummer, or even harrest. The my duty to sre that they Thtul service, and also to see Net groct, kind treatment. Wheyt is threc-fold: lit. To
Turs, and through them, our Live the bovs an oppermity demonstrate what girl can do "properly guided."
valing help should writ Mr.


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## GEO.KEITH \&SONS 124 KINGST. E

 IT'S EASY
have been feeding bran, oats and good
hia all winter but she doesn't seem to gain. have all winter but she doosnn't seemn to gain.
Can I put her back on B's hands and get my money back? I paid $\$ 125$ for her and
I have a witness, the manager of the bant Aus. This is one of the questions which should le decided amicably between
vendor and purchaser. A great deal de vendor and purchaser. A greaa deal de-
pends upon the time jou kept the mare pends upon the time you kept the mare
without complaint to is that she was not as represented. We would a alvise that you
get together and settle the matter. Of get together ind settle the matter. Of
course if vou call prove that B knew the Course if you can prove that B knew the
mare was diseased and attempted to
unload her unload her on to you it is likely you could come on to him for damages or to accept the return of the mare. You had better
yet the advice of your veterinarian re the disease before taking action.

To Prevent Navel III I havea mare due to foal in May and
would like to know if there is anything Would like to know if there is anything
I could give her to prevent foal from having navel disease. She lost two with this_disease, one two, and she was not in foal last year. J . McN . Ans.-Although some firms advertise mares before foalling claining that it will prevent joint ill or navel ill we do not believe that veterinary practitioners have
any faith in it. All you can do is to be
ready to treat the navel when the foal arrives. Have a five to ten per cent.
solution of carlo, as the toal is dropped put a little on the
ratw navel surface and continue to treat raw nave surface and continue to treat
threc or four times a day until the navel
dries up. Have the mare foal in a clean Killing Noxious Weeds.
IVill noxious weeds be killed by leaving




## CAREFULLY SEALED IN GERM PROOF TUBES puan oATS BRINGS TO YOUR TABLE THE DELICIOUS NUT LIKE FLAVOUR OF THE FAMOUS ALBERTA OATS <br> MANUFACTURED BY Western Canada FlourMillsC?Limited

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## Ouestions and Answers.

Miscellaneous.

## Corn Queries

I have several acres of sod land that have manured during the winter and am going to plough the manure under as soon as possible in the spring and plan to corn, and as I have a lot of twitch grass am thinking of planting in check rows three feet each way, planting with a hand planter.

1. How
in each hill?
2. Would I be likely to get as good crop as I would if planted closer together say three feet by 18 inches?

Would comber injure the young sprouts if dropped directly on the top of the hill immediately after planting?
Ans.-1. If the seed tests well four should be enough. Some plant only three es, on weedy land.

Sortly before planting an
Piping Spring Water - Anchoring Fence Posts.
I have a spring flowing to my barn I have a spring flowing to my barn
through 600 feet of on one-inch pipe. It is choked somewhere in the upper
section with rust. If I put three-quarter or half-inch pipe from the spring to about the centre and run it to the inch pipe will it give satisfaction?
2 . Will filling in around gate or anchor posts with cement prevent heaving by posts be put in? What thickness of cement should be put around the posts? 3. How many cubic feet of good
timothy hay are there in a ton? The hay has been well settled.
Ans.-1. It depends on the amount ol pressure fould have better result by putting the larger pipe first and the smaller last, if you desire to have two sizes of pipe through which to run the 2. Filling in around the posts with in holding them solid The which the posts should be placed will depend considerably on the nature of the land and the length of the wire to be
attached to it. Anchor posts should be down about 5 feet, and six or eight
inches of cement put around them should inches of cement put around them should
hold them in place. 3. It is generally considered that will make a ton.
Lawn Rolling and Berry Planting.

1. I seeded lawn last spring and got a fine catch, used a mixture which you
recommended. What time of the year would rolling a lawn give the best results?
Any other suggestions in the improving the lawn will be much appreciated. While it looks quite level, it
does not seem very smooth when running
the mower over it. the mower over it. It was just graded
before seeding. is a mass of weeds, mostly couch grass I
believe. What would you suggest using the ground for this coming summer?
Soil is sandy loam, clay subsoil.
$\qquad$
$\qquad$ think of a concrete floor, said floor to
be about a foot above the ground? (rround
$\qquad$
anderries, filling in, etc. J. J.
lins. 1 . Roll with a heaty roller
we has
One of my ewes herg Nostrils. ing and there is has difficulty in breath. nostrils. She has been in this condition for over a month.
sheep kill the ticks on them? Ans.-If the sheep was suffering from catarrh there would be a discharge from
the nostrils, a cough, and the egho the nostrils, a cough, and the eges and
lips would be sometimes gummed lips would be sometimes gummed to-
gether with a yellow secretion gether with a yellow secretion. The
patient becomes dull and uneasy, the sheep in well ventilated quartep give 4 to 6 ounces of raw linseed oili, and steam the nostrils. If the appetite, is lost, drench with boiled flay speet or milk and eggs. Place one srem or nitrate of potash well back on the tongue four times daily. Grubs in the head and uneasy and there to become dull charge from the nostrils we a dis that your ewe has catarrh or ae believe and keeping her in comfortable quarters and applying the treatment above mentioned will bring relief. above boughs would destroy how the cedar boughs would destroy the ticks and
besides the cedar leaves get into the wool. Pigs Dying - Hens Eat Eggo- Crope I have her Hog.
splendidy a bunch of pigs which did splendidly until a week ago when they Threee of them have since in breathing. Threee of them have since died. 1 gue would cause this trouble?
2. What can I do to prevent bens eating their eggs? They are runims loose in the barn and have a good supply of feed and grit.
3. What is a

$$
\mathrm{r} \text { adding color }
$$ to What are the best kinds of roots to grow for hogs

and peas be a good crop for feeding borey What quantity of each should be soin per acre? P.J.C. thing like those of pneumonia, which may thing like those of pneumonia, which my on by over-exertion. Prevention is abour the only thing that can be done. Conifort able, well-ventilated quarters and a light, sloppy diet are important. Daily doses of castor oil would help keep the bowels right. Treatment is not very 2. This is a habit which is ver ditficult to remedy. Once the birds towards stopping them. Darkening the nests is believed to be about the best ${ }_{3}^{\text {remedy }}$ 3. There are special extracts on the market for coloring butter. The directions for using are on the bottie, the
amount depending on the depth of color desired. 4. Mangels or sugar-beet mangels are considered better than turnips. 5. Oats, barley and peas make a very yood mixture. A bushel of oats, wone of barley and 2 pecks could be sown.

## Veterinary



March 28, 19


SEED
We can sup
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Chaice, High-0 Marguls Whe O.A. ONo. 21
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Turnips, Onio Corn and garder We can supply We can supply rotein), Bra
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mente our grade No. . Address:GANADIAN ALBOTREA CLOVER COMPANY, LIMITED Shipping office and warehouse, Listowel, Ontario

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ness, either when of sore (Eteegolis) ness, either when applying $\begin{aligned} & \text { Freezone or afterward, and it } \\ & \text { doesn't }\end{aligned}$ doesn't even irritate the skin corns between the toes, slso corns, or calluses, just shrivel up and lift of easy. It is wonderful! Seems magical has Freezone. Ask him!


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Groved from strins of eleced due crefull?


Ruthven Bros, RRR. No, 2 / Aliston, Out, When writing please mention this paptr

# Farm Labor is Now Available 

## How to get it. Please act quickly.

The Ontario Government is keenly alive to the pressing need for labor on the farm - we realize that "farm labor is the keystone of greater production." If you need farm labor this season we urge you to fill out the Application Form below, clearly and carefully. To save time mail it to the nearest Ontario Government Employment Office (see list of addresses below), or to the office of the District Representative of the Departmen of Agriculture in your OWN COUNTY. Please be sure to state the kind of help you want, the wages you


Trades and Iabour BDept. of Publle werna Province of Ontrot are willing to pay, the length of time the help is required, and the date on which you will want such help.

## Get your application in early and make sure of getting the pick of the help.

15,000 Boys and Youths Coming We are conducting a vigorous "S. O.S." ("Soldiere of the soil") campaign which will reach every echool boy, every high school boy and the working boys in factories and offices the drivers for retail stores, etc., etc., of the age from 15 to 19.
The mark set is 15,000 , and there is every
propect that this number will be reached Aready 8,863 badges have been distributed
to boys for last year's farm work. A large

## proportion of these boys will be again available Or farm work this year and, of course, they have gained quite a bit of experience. Farmers had these boye last year know their value.

## 7,500 Men Being Enrolled

 The Ontario Government is also using every possibly of mean for Ontario farm work. The number expected is 7,500 , and allarge number of these men will be available for the whole season| APPLICATION FOR FARM HELP |  |  |
| :---: | :---: | :---: |
| Ontario Government <br> Trades and Labor Branch Public Employment Department of Bureayx Public Works |  |  |
| Date |  |  |
| Fill in your telephone number here or the nearest neighbor's telephone number. |  |  |
| Signature of Farmer Post Of |  | County |
| How to reach place of employment | Acres in farm | What kind of farming practised? |
|  |  | Mixed |
|  |  | Fruit ................................ |
|  |  | Dairy.................. .-..... |

## MARK (X) AFTER HELP REQUIRED

Single Men.
Experienced (plough, milk, etc.)
Partly experienced (handle horses)
Inexperienced.
Married Man and Wife.
Experienced
Partly experienced
Inexperienced
Wages-lf wife works in your hous:
If separate cottage is provided
Wages-Including Board and Lodging s
months, from.
All engagements subject to two weeks' trial with wages
$\qquad$

## Ontario Department of Agriculture

Parliament Buildings, Toronto
from seeding to harvest. Strong efforts are being made to secure men with previous fars and warehouses-from amongst teamsters and artisans.
Considering that a good third of our city and town population has been brought up in the country, we shall be surprised if we do not raiee fully 7,500 men to help out the Ontario farmen this year, and such men readily take up ordinar farm work again

## Women Workers Available

Last year we enrolled between 1,200 and 1,300 women and girls for work on fruit and truck arms. It is believed that mostly strong, willing women and girls-many have come from farms. Their employers ap preciated them very highly last season, in fac the Fruit Growers' Association of Ontario has already arranged for a much larger number o these women, so satisfactory were their servios
last year.
A number of the strongest and most exon mixed farms for the coming season.
These girls prefer, if possible, to go out to communities in groups of five to ten and the board themselves. Last season there were nany instances where the girls assisted consider ably in house work during bad weather
If You Want Woman-Labor do NOT use this Application Form but write to the Director of Women's Farm Work; On ario Government Employment Bureau, 1 King St., East, Toronto.

## Why Not To-day?

If you can use more farm labor this spring, fil in this Application Form, clip it out and mail it to the nearest Ontario Government Employmen Office as follows:

15 King Street East, Toronto
139 Queen Street, Ottawa.
83-85 James St., North, Hamilton.
300 Victoria Avenue, Fort
193 Victoria Avenue, Fort William
136 Dalhousie Street, Brantford.
or to the Office of the District Representative of the Department of Agriculture in your own county.
The most experienced farm hands go to the farmers paying the best wages.
All you need to do now is to fill out the Form state the best wages you can afford, and send he Form in as directed.

Do not say we canno get you help until you give us the opportunity.


[^0]:    Walkerville, Ont.

[^1]:    B R A M P T O N J ER S E Y S Jersey Bull, Calf and Yearling
    

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    Edgeley
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    When writing advertisers will you be kind enough to mention The Farmer's Advocate
     to:
     O. A. C. 72 OATS

[^2]:    'I'll get on the train for the Belleville Sale
    For they sell the cows that fill the pail.
    That pay for themselves this year that's why
    To Belleville I'll go, and buy, and buy.

