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## VoL. LII. LONDON, ONTARIO, APRIL 19, 1917.

No. 1282

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662


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do better, but you will admit this is good.
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## How they made this road durable-

THIS is Kingston Road, an im-
portant highway in Scarboro portant highway in Scarboro
Township, the main road leading east from Toronto, carrying h
traffic the whole year round.
Originally it was built of plain macthe automobiles ceased to do any
serious damage to the roadway. The serious damage to the roadway. The
tough tarviated surface sustained
little It shed water promptly and quickly and excluded frost
adam, but this was expensive to
maintain, because the automobiles
In 1916 the road was given another
coat of "Tarvia-B", wore it out
almostas fast as it could be
rebuilt. That rebuilt. That
made it ex-
pensive and the money
which the which the wanted toex-
pend on new
 arivia minished expense. In 1917 it will
need a little need a little again, and a
little touch Preserves Roads $\begin{aligned} & \text { little to } \\ & \text { ing up. }\end{aligned}$ be expended
in keeping th In 1915 this road was given a treatpreparation of great penetrating power. It is applied from a motor
tank-truck or a modified sprinklig tank-truck or a modified sprinklingcart at very low expense. It perco-
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# 11 Rarmer's Adv h. iome Madévin <br>  

LII.

## EDITORIAL.

Work more horses in the team.
Good morning! Have you hired that man you need
The Kaiser is finding the world a rather large pill oo swallow.
The Ontario Legislature wisely decided to defer an election until after at least one more session, or until the war is over

Put seats on all the implements and use a cart behind the harrows. The chores will give your legs plenty of exercise.

Backyard, poultry, and farm work for the summer may give some people a little food for thought on the problems of the farmer

The man who advises plowing up all the old pastures should receive a formal introduction to Mr. Wire Worm and Mr. White Grub.

Producers who are content to leave the marketing of their products in the hands of city men are satisfied with the small end of the horn.

March didn't end Jack Frost for the season, but his belated attacks in early April were not sufficient to rout out the clover and wheat.

The automobile speed limit law remains the same in Ontario, but the only limit some drivers observe is the limit of power and speed of their car.

Accustomed to sleeping late, the cities did not wake up to the fact that a food shortage was imminent for months after the campaign to get men to the farms should have been under way

If you have a friend or relative in town or city who can come and help with the farm work this summer,
make arrangements now. Better satisfaction wi make arrangements row. Better satisfaction will
result where the farmer and the man know one another.

If Ontario is to have a Provincial Highway over roads already established, then it must be for the use of all the people and the cost must not be levied un-
justly on the municipalities through which it passes.
We have confidence in the Canadian farmer. It is safe to say he will produce all he can in 1917. It is also safe guessing that he knows a little better how to run his own business than does anyone engaged in other work.

Times change; so do opinions. Some of those who year or two ago did not think it of any importance that food should be produced in this country are now very anxious to help increase production. The farmer
is glad they got their eyes opened and he may be able o use some of the help offered.

There are those who would do well to remember that it requires more than talk and a few five-cent packages of garden seeds to make a profitable backyard garden; it requires more than seed and good chickens to produce eggs, for the birds will eat; it requires common sense, knowledge and industry to make all these things count.

LONDON, ONTARIO, APRIL 19, 1917.

## Food, Famine, or Farm.

Early in the war, "The Farmer's Advocate" drew attention to the fact that before the conflict was terminated food would be one of the biggest factors on the side of the winning forces. It was important at the very
outbreak that attention, organized effort if you will, be given to the problem of maintaining and increasing production while the men were away fighting the battles. Through the months of strife which have passed we have time and again emphasized the importance of food production in Canada, nor would we relent now, for food is of increasing importance daily. Up to a few weeks ago city men (not all, but many) seemed to think that our farms could be abandoned while the farmers went overseas to fight. The people at home could live on hot air, dried apples and pure drinking water, while the boys at the front would be led by the Government, and we needn't worry about men for the farms. Some recruiting speeches were far from complimentary to the patriotic spirit and courage of our noble boys of the farm. Some of those who are so anxious in April 1917 to produce, called farmers and their sons cowards and yellow less than one year ago, because some of these same farmers and farmers sons, realizing that the greatest sacrifice was made by the men who enlisted for the trenches, also understood that food was necessary and they believed that they could, in many cases, best do their part by bending all efforts to produce more food for the fighters and the people who were then carrying on "business as usual" at home. These patriotic farmers, for they were and are patriotic, have done their best. They have been slurred and sneered at, their hired men who did not enlist have been hired away from them by munition and other factories that could pay far higher wases Thousands have enlisted and gone overseas and now 1917 with the world at war and facing a shortaw of food our city men a waken with a start and see in the fozy light terrible apparition of approact for are wonder is that they hol The Being pactical men one they did not know the importance of keeing enoug men who knew how to do farm work and how to manage men who knew how to do f
production on the farms.
But at last, and very much late, they are earnestly trying to overcome the mistakes of the past, mistakes which would never have been had the farmer got the Consideration he should have from legislators in years gone by, and had the country's resources been organized at the beginning of the war. Men left the farms before the war because prospects looked better in the cities. The war made things wo se, until now the average of farm male population of the age of hard days' works is about one to one hundred acres in Old Ontario. In the West the shortage of men is also acute. City Boards of Trade, Clubs, etc. are now, well on in April, head over heels in their efforts to send men to the farms. They are promising all kinds of men from school-boys to the best of experienced men. If their goods are as good as advertised, farmers should take advantage of this proffered help. In fact any help should be welcome, provided it is not of the summer-boarder kind.

It is amusing to read some of the arguments of the enthusiasts. They seem to think that it requires no brains or ability to do farm work. All that is necessary in their minds is inclination. Willingness is half the battle, but knowledge, ability and stamina are the foundation half. The farm is no place for worn-out, old toddlers, and farm labor is no kindergarten for schoolboys to get hardened up for the football season next fall, neither is it work at which the inexperienced and physically unfit man behind the counter is likely to be of much use, especially at first.

Experience proves that farmers in the rush of work are not likely to waste time breaking in green men.

In the rush and worry they have little time to educate strangers. Therefore, we think that the suggestion made by "The Farmer's Advocate" last year shoul be followed wherever practicable. Let every city man who can do so go out to the farm of a relative or friend for the summer, or for whatever part of it he can spare Boards of Trade might encourage this. These men will get along much better than if among strangers. If they have the pluck and are willing they can make good There will be more consideration shown than where farmer and hired man are strangers, and this applies to both

Let us not get worked up into a frenzy over the situation. Men are needed. There is a world food shortage. The International Institute of Agriculture reports a world deficit in the supply of corn, wheat rye, barley and oats of $130,000,000$ bushels less than normal requirements up to August of this year when the new crop begins to come in. This is not irreparable There is considerable land near large cities that could be rented. Why not let some City Fathers and businessmen lease this and put their men on it to produce? If the men would be profitable to other farmers surely they would do good work for their present employers if they became farmers.

Let all hands sanely go about it to make up what we can of the shortage. Let us show city dwellers that they haven't got a corner on patriotism-that a little of it exists on the concessions, side lines, front hundreds and back fifties of this fair Old Province of ours, and has existed there since our forefathers put the first axe blade in the virgin forest on their lots Patriotically the cities are offering to send men to the farms. Patriotically let them be received. Let every farmer who needs a man apply. If the city man falls down, the blame will be on him, but give him a fair chance. Let the city enthusiast remember again that farming is not a pleasant little picnic. In the words of our own Canadian poet the farms are calling to the city Boards of Trade: "Send not your foolish and feeble; send me your strong and your sane."

## Will De-Centralization Come?

During the past few decades centralization has gone on apace. The village or town mill, shop and small factory have been closed. The small store has hung up its shutters and the people have gone. The country itself has been drained. What has been the cause? Where have the people gone?Centralization is the answer. The big and rapidly growing cities with the mammoth mills, the several storey shops, the far-reaching factories have taken them all. Has it been a good thing? It is difficult to say either yes or no. There are those, however, who believe that it has not worked for the good of the country as a whole. Busy villages and thriving towns are a great help to a rural community, and a contented, satisfied, successful, rural population is essential to permanent national prosperity. Urban centers cannot exist without the vast expanses of farming land well tilled. The Branch Bank System has been blamed for centralizing capital. Protected and bonused manufacturers have centralized labor, which is the people. It has been possible to make bigger wages in the large city than the farmer could afford to pay, so the people have gone to the cities to work in the big stores, the big shops, and big manufacturing plants. And what follows? Centralization gave birth to a lusty but howling offspring called High Cost of Living, and it grew so fast and strong as to become almost totally unmanageable. The war did not retard its progress-it increased it. The thing would have grown beyond control anyway Centralization cannot cope with it If we are to have one we cannot escape the other. Bis ities cat be mis without the latter being depleted in population, and

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the leading agricultural journal in the


JOHN WELD, Manager
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production falls off. If life isn't worth the High Cost of Living, as one writer puts it, wouldn't de-centralization make a very good foster mother for H. C. of L., which is now pretty well grown up? Would de-centralizaing of this high-flier? One thing is certain, usless more people take an interest in farming and rural employthose in plang, is going to cost have the white lights and the red wheat all at the same time. Possibly there may come a back-to-the-land movement. Some of those centralized may eventually decide that it is better to farm and eat three "squares"
reflections, a day than to be centralized and have to cut will no
not being yet entirely worn off. The ferne these e
own above and back till they have to. Do you think de-centralization possible?

$$
\begin{aligned}
& \text { he wings and tail black. In the fall whe male, femal }
\end{aligned}
$$

$$
\begin{aligned}
& \text { nd young are in a dress which much resembles th } \\
& \text { he female in spring. }
\end{aligned}
$$

It Pays to Feed.

$$
\begin{aligned}
& \text { The nest of the Rusty Blackbird is a coarse structure } \\
& \text { grass and mud, resting on a layer of twigs, lined insido }
\end{aligned}
$$

When feed is plentiful most farmers feed their stock

$$
\begin{aligned}
& \text { with fine grass and rootlets, and is usually placed in } \\
& \text { bushes overhanging the water. The eggs are from four }
\end{aligned}
$$ feeders." In times of shortage many are practically forced to cut down the allowance to their stock, but it

In the breeding season the food of this species con- animal requires for health and thrift. We do not believe

$$
\begin{aligned}
& \text { nsects as Dragonfly nymphs, Mayfy nymphs, } \\
& \text { neetles and Caddisfliec }
\end{aligned}
$$ it does. A thin herd is a poor advertisement. It means

$$
\begin{aligned}
& \text { about water such as snail, small crustaceans, salaman- } \\
& \text { dersand small fish. In the fall it eats insects }
\end{aligned}
$$ that the breeders in it are called upon to raise young

at the e pense of their own cmariated systems. The

$$
\begin{aligned}
& \text { eed-seed, ard also picks up some grain which has been } \\
& \text { ft on the grourd after harvest }
\end{aligned}
$$

$\qquad$
$\qquad$
$\qquad$

THE HORSE.
The Brood Mare at Work. Many an in-foal mare will be called upon to do hes
share of the farm work during the next few weeks of rush, and provided care and consideration is given
it is well that she should work. Experience has proven that the pampered and petted brood mare, which her
owner considers too nice to work, rarely is as successful in the breeding stud as is the mare usually kept in a
little lower condition and called upon to do a fair share of the farm work. It is necessary to start easy at first.
Some arrange to work the brood mare half a day about
with a newly-broken colt, or in other cases where two brood mares are kept to work them half a day each
They should never be rushed and should not be called
upon to draw heavy loads over soft ground
$\qquad$ They will do better work on the harrows than on the
cultivator, and must not be "pushed". See that the use a longer whiffletree and to give the in-foal mare a
double-tree advantage of probably two inches or more Traces should be wrapped to prevent rubbing her sides
sore. the feeding. Do not increase the grain ration rapidly
when first put to work. A tired animal is not in as good condition to digest strong feed as is one that has rested.
Avoid feeding grain when the mare first comes into the
stable and do not allow her to drink too much when heated. A little bit of water and often is a
safer practice. We remember the case of a young brood mare, one of the right kind, a big, strong and
thrifty individual, being lost through a little carelessness
in feeding during spring work. She became very much
heated during a warm afternoon and
$\qquad$ about an hour when she to grow. She was loft there
signs of indigestion which became acute and she died. The little bit of green feed to which she was unaccustom-
ed, and which she took when a little overtired killed
her. It is necessary to be careful when making changes In rations when the brood mare is working hard, and
it is advisable also to feed rather sparingly on grain
at first, gradually increasing as she beco accustomed to work and extra feed. Where at all posible
keep the working brood mare in a box stall where she where she is tied. Take some pains to keep her legs will help keep her in good condition. Until grass comes
do not neglect bran in the grain ration.

Stick to One Breed in Top-crossing. "The Farmer's Advocate" has always recommended his breeding operations. This applies to the horse breeder
as well as to breeders of other classes of stock. The majority of colts raised in this country are the progeny
of cross-bred or grade mares, and it would be well for those who start breeding such mares to set out with an
idea of improving the horse stock, not only of their
own stables but of the country. He own stables but of the country. Haphazard breeding
leads to failure and dicappointment. Breeding toward
a definite object a definite object. while presenting many difficulties,
will, if properly followed up, bring satisfaction and success. Take the cross-bred or low-grade mare to begin
with. Her type and conformation must show something of her breeding. If she resembles the Clydesdale, and
has Clydesdale blood in her the logical thing to do would be to breed her to a good Clydesdale horse.
If she shows signs of Percheron breeding use a Percheron sire, and so on down through the breeds. But it is folly
to use a sire of one breed one year and another breed the next, and worse yet to breed to a Clydesdale horse
and if the progeny happens to be a filly, too, when it reaches breeding age, out-cross with a Percheron,
Belgian or some other breed. This is a waste of time and effort. Grading up properly carried on will produce, It will produce also animals of a very high order. We mare that we asked if she were not imported. We were
informed that she had three top crosses of Clydesdale blood, was not eligible for registration but that her
owner was following out the grading-up process in the owner was following out the grading-up process in the
hope of getting registered stock. As an individual
she was a better mare than many which have their breed to be used as top crosses and stick to that breed weight and sired by a Clydesdale horse tred to the best
several foals sorme
$\qquad$
$\qquad$


THE FARMER'S ADVOCATE.
the State of Kansas where these experiments were con-
ducted, and readers can, from his explanation of temperature and rainfall, apply his remarks, found in the following paragraphs, to their own surroundings.

> Silage Crops For Kansas
"The silo has become extremely popular during the one hundred silos in the State, and now there are nearly 1,200 in use. The reason for the increasing popularity of the silo is that the farmer has learned that the silo furnishes a means of saving feed, and thus has been able,
by its use, to increase his live-stock holdings. is the general favorite as a silage crop in Kansas. The reason for this is largely due to the fact that the corn Whent is so universally grown and used for this purpose. When corn is compared with other crops for silage it is is made on the ton basis. But the farmer comparison terested in the acre yield. Sorghum crops make in silage, and in certain sections of the State they will make will more than offset than corn. This increase in yield of the corn when put the advantage in feeding quality "Sorghum crops, such as Kafi
Sweet Sorghum do much better than, Feterita and where the rainfall is limited. The annual average pre cipitation for Kansas as a whole amounts to 27.85 inches. for the western third of the State it is 19.35 inches 35 inches, and eoutheastern corner of the State the precixtreme amounts to more than 44 inches, while at the Colorad line on the west it is just a little more than 15 inches. frost in spring, should be conside the date of last killing for forage. In the southeastern part in kind of crop last killing frost appears about April of the State the extreme northwestern section frosts may be in the as late as May 10 . Likewise there is a difference between the early frosts in fall of the year in various section may be expected about frost in the southeastern northwestern section, killing frosts are expected abe October 1. The growing season for crops then is much longer in the southeastern section than in the northwestern portion of the State
to mature in any particular section. The crop that time time to mature will usually make the greatest amount of forage as well as mature grain. The greatest amount is well as to long-growing seasons, and trowing seasons study his climatic conditions and plant the farmer must best adapted to his locality. The sorghums are drouth resistant and will, on the average, yield more tonnage in forage per acre than corn. A few years ago there was ittle use made of sorghums for silage. The experience and particularly the sweet sorghum crops, were put, into the silo a sour silage resulted. Experiments at the Kansas Station have shown that sorghums can be made nto first-class silage. The reason sorghum silage is The grain should be practically mature before it is cut or silage. The legumes cannot be made into fully unless they are mixed with some such crop as orghum or corn or other materials. These crops make such. The Kansas Station has just completed a seas as of experiments with alfalfa silage. The exted a series were planned and carried out with the view of saving The first crop of alfalfa that is usually damaged by rain and green rye to the corn, molasses, sorghum fodder zave fairly good results."

Several years O. P. V. Silage.
Several years ago at the Nova Scotia Agricultural
College, a mixture of oats, peas and vetches is a substitute for corn, which does not do any too well in the Maritime Provinces. It was found that this mixture yielded more dry matter per acre than did corn, grown there, and the silage made from it was just as good. The labor connected with growing the O. P. V V.
mixture, as it is called, is less than half as much as that required to produce a crop of corn; so taking everything
into consideration, the mixture was prefe itraight corn crop. In 1914 an average of 11 tons of
O. P. V. to the acre was produced in a five-acre field thile in the same season corn yielded only about 8 tons the conditions that made for a heavy crop of oats, peas the conditions that made for a heavy crop of oats, peas
and vetch gave a light yield of corn, with practically no ears formed. An analysis of the silage from the two crops is given herewith:

| Constituents. | O. P. V. silage per cent. | Corn ilage per cent. |
| :---: | :---: | :---: |
| Dry matter. | 28.15 | 20.00 |
| Protein........... | 2.31 | 2.37 |
| Carbohydrates | 23.42 | 15.33 |
| $\begin{aligned} & \text { Fat. } \\ & \text { Ash. } \end{aligned}$ | .83 1.59 | . 88 |
|  | 1.59 | 1.42 |

A comparison of these results shows that the oats, peas and vetch were quite superior in dry matter as
well as carbohydrates, and when less than half as much labor is required to produce it, one can understand how it wiH commend itself to the Maritime farmers.
In 1915 these results were practically duplicated and the corn a little heavier was not quite so heavy owing to climatic conditions, the oats, peas and vetch fell slightly below corn in dry matter per acre, but over a in this regard.
While this mixture does not require so much fertilizer as turnips, corn or potatoes, yet it requires more than is ordinarily given the grain crop. No farmer should atcondition, and it is the first puts his land in first-class spring. Last year at Truro it was sown about May and harvested on August 10 , just as the oats were may 1 ing into the dough stage and when there was only a little until the oats beginning to show on the straw. If left silo and is liable to mold. It is cut with pack well in the blown into the slio with the same machinery mower and for corn. The seeding for the mixture is made use the proportion of $21 / 2$ bushels of banner oats, $3 / 4$ bushel of Ordinarily it contains $1 / 4$ bushel of annual vetch per acre when cut and put at once into the cill. of dry matter The O. P. V. mixture has found its way into New Ontario, and has given very good results at the Pro-
vincial Demonstration Farm of the Farmonstration Farm at Monteith. The report silage crop: 1916 has the following to say for this peas and mixed $21 / 2$ bushels of oats with $3 / 4$ bushel of vetches and sowed with the grain drill at the rate of $31 / 2$ bushels mer acre quite heavy. When dry summer this crop grew to be and the peas and vetches were still in the dough stage cut with the ordinary grain binder. green this crop was cut and blown into the silo. Ours is an ordinary were silo, 16 feet high and 11 feet in diameter. Three acres
of the O. P. V. mixture filed two-thirds full. We wixture filled the silo this year about fall, and we found that the feeding silage early in the In appearance it is very simpilar to ordinary silage only that it is considerably finer. The silage is a greenishordinary color and tastes and smells very much like the ordinary silage made from cort
very satisfactory, aad we are contempar has proved out this work on a little larger scale another carrying

Other Silage Crops.
Agassiz, B.C., clover and corn Experimental ${ }^{\circ}$ Farm at side by side, and the Superintendent reports thus in
1916:
was excellent quality of the clover was good, but the con the more. The results appeared to enjoy the corn repetition of those obtained last year. If clover silage
is well made it is for milk and butter production a close rival of corn silage it has no place in a dairy stable." peas a nd oats, and the Superintendent is partial to such
a mixture, for in his 1916 report he says
believe that dairymen all over past two seasons in the silo worth while. It is true that the silage will find during the extreme winter weather, but it is silage freere to affect with a pick and the freezing does taken on to affect injuriously the fceding value of the spilage Since the yield of peas and oats per acre, when the ofilige from eight to twelve tons of green weightage, will rum of feed produced per acre is considerable and will pare favorably even with corn, particularly when com. pound of butter with duce, is more than twenty per cent;, greater than pro. with silage made from peas and oats." greater than that crop that can be ensiled that corn is not the only peas and vetch; oats and peas, and other crops hats, o try these side by provinces., Would it not be wrett nearly approaches good, fairly-mature cornich most keeping qualities and food constituents? factors factors making for good silage out of crops other than
corn.

## Costly Crossing.

Occasionally one finds a man with rather stran of carrying on breeding oper of breeding and the method a careless breeder is found who, with a nce in a long while bred pure-breds of one breed of cattle, takr highly into his head that they should be crossed with a motion to get better feeding offsy are beef animals he hope he has an idea that he can improve the are dairy cattle herd. We recently visited a farm upon fow of the were thisee or four very good type and choich there been bred to a cows which for a few years back had these cows were pire-bred Hereford sire. Steers from thick, fat and sleek, and were were fine individuals, cents or a little better per pound. At possibly twelve bulls and heifers from pure-bred stock of the same time apiece and bred pure, were selling from $\$ 200$ to $\$ 300$ in no higher condition to fifteen months of age, and mentioned. This is one case where cross-bred steens did not prove profitable, and we believe there are hum dreds of such cases which might be cited. If a man has and a regular breeder cow which is a good individual tempt cross breeding, he is very foolish indeed to atthe cow are available, as they were in this breed as means a loss each as they were in this case. It opportunity of building up a herd. Crossing, carried Crossing the first generation, is inevitably a failure Crossing of pure-bred stock of high quality is al aways a
mistake, unless it is under nection with pigs, for instance, where the fes, in coneason to believe that a cross between a Yorkshis has Tamworth sow and a Berkshire boar will produce easler as a strict breeding proping hogs for the market. But, as a strict breeding proposition, crossing is not to be
recommended.

## Keep the Good Pure-Breds Regis-

 tered.Many instances have oceurred within the last yean showing negligence on the eart of stock farmers to reoerd
their purebred animale that they now have whole herds pure in breeding butat not registration, because some ancestor is not recorded and
cannot bet candef traced. Any man is very lax to introduce un-
recorded females in purposes and still more surebred herd to use for breeding. registered bull to be mated with his regitered anburing the years of comparative quiet in the pure enough ambitione who had pedigreed stock, but not to improve what or foresight to use high-class sires when the demand is hax, drifted, so to speak, but now, folly of their ways and realize that a registration cee the cate would mean a difference of one or two hundred
dollars in the value of their animals. At any time a

male calf, not up to the standard, should be steered, and heiers of por individuality should not be used as
foundation breeding cows, in which case it would useless and an abuse of the Record System to register
them. However if the temales them. However, if the females are to be kept in the
herd and mated to pedigreed bulls, they should be herd and mated io pedigreed buls,
kept recorded in strict accordance with the requid be ments of the estabished system. These remarks are
not based on isolated instances. When the county pure-bred organizations, which have been brourht
into existence during the past counle of years. for the purpose of creating a medium through which to sell,
puth sel about to round dup stock for a pubici sale, the com-
mittees in charge discovered these conditions and it has very much hampered their work at the begining A good breeder of pedigreed stock surely would avorite breced Registrations then would not be a stuff promptly, There is nothen woud be tecorch his young down on the job or drifting. Everytime a new sirc is
purchased get a better one, if possible than the last and thus advance rather than recede. When purchasing, oec the carefur about the certificates of registration and
ect forthcoming. A breeder who is
hx


A Record Hereford Society Sale in England
The English Hereford Herd Book Society Sale,
held last month in the home of the breed, beat all
 hrough the ring for a total of 856,721 , or a a a perased
of 8822.32 . Twenty-seven animals made from 100


 105 guineas, for at 110 guireass one each at 115 guinea 50 guineas, and guineas, 140 guincas, 145 guineas ne at 165 guineas, two at 175 guineas and one each a
 hampion bull. Turgot, sent by J. Lewis, of The Haven,
diluyn, Herefordshire, that made the highest price

 ought for the South American trade. The tolal fo he 1917 March sale doubled the amount realized
year ago, also giving an increase of $\$ 97.20$ per head.

## THE FARM.

Sandy's Weights.

P've no' been feelin' ower weel for a couple o' weeks lack, an' yesterday the auld meenister alled in tae

wee me an tae speir how 1 wis gettin' alang an tae hae I Wee clat aboot things in general, as we aye dae when
he conces aroond. Weel, Sandy., savs he, Whhen he had leard a so wanded tae, ken aboot, ma, hheumatism, yed better hurry up an' get movin' again. Spring is
omin' an' we're gacin' tae be unco scaree $o$ men his year. The country is gacin' tae need ilka thing in
pants that we dinna hae tate send tae France; martied


 "Weel, Mr. Ferguson," says I, "T'm thinkin' they Wht tae be able tac get what they want in that line
 ere they what ye think weocould, wave wase needin? ".,") oor country's necessity"" "I dinna' ken aboot Wat mak's ye pass flink they'd' no the fill the ther chillw said Hult this, Sandy," says the meeinster; "thereres a, character that will mak' soldiers or or pro vernment is tryin, an' those are the twa things at the present time


Brae Real 6th
Bonnie Brae 31st
bad wi drink, but ye ken there's juist as muckle in
temperance in the line o' eatin' as there is in drinkin an' this gout that I'm troubled wi', is, the doctor tell me, due tae lack o' care o' ma stomach., Sae ye'll hae Well, what aboot the next," says I, "I guess ye're no a light weight on Courage, gin I can judge by some "But that's what I am", says he, "an, it's in ma I'll find mysel' able ma cowardice. Some day, maybe, tae ma congregation, but it's gaein' tae be hale truth; time tae bring masel' up tae that point. Na, Na, Sandy "These are close short weight on courage, $\Gamma \mathrm{m}$ afraid." find yersel' on the last one. I suppose ye'll be makin' - 'Ye'll hae tae ask ma wife an' the bairns aboot that," says he. I dinna' think they'll say that I abuse them Na, Sandy, I'm no' unkind tae ma family, but I'm en I keep a coo. She's a beside her to dae the milkin' she'll gie me a slap in the in the pail. But the ither day twice she's got her foot in the pail. But the ither day she went a step further Sandy, I canna' say I wis kind tae that heifer for me. hae tae mark me a short weight again
gainst. Cire dae it, says I, I ken what ye were up against. Circumstances are too much for the best o'
us at times. But I see noo how yer scale warks an ${ }^{\prime}$ 'll maybe try it on masel' aifter I've seen what kind I'll ight-weights some o' my friends an' relations are Maybe ye'll no' hae sae muckle heart aifter, tae be therin' wi' yer friends an' yer wife's folks", says he

Crops For Maritime Farmers in 1917

## I chair

 at this time, for I think I fully realize that it is much easier In plact I average farmer was more "up againt inme when the but it seems to me that a little consideration now conditions that are likely to obtain during the nex proving that food prices advantage. It goes without the next year or two, with over twenty rule high for most efficient men of the world taken from the ranks of producers and added to the ranks of consumers (and destroyers) it is self evident that there must be a shortage of food, and the great question is what can Wheat? Yes we can raise wheat, and many farmers rejoiced that they had a good bin of wheat this winter with flour around $\$ 11$ a barrel, and still I do not believe country at the expense of the acreage of wheat in this This is not a great wheat growing coutrye grains. freight on $\$ 100$ worth of flour from the West, is the less than the freight on $\$ 100$ worth of feed; consequently production, the sowing of more oats, or would therefore advise leeding, rather than wheat. grains for Potatoes is the one crop used for human food that and it seems to me that we can count on at least a air price for all we can raise this season. The real in Ontario and the Eastern price of seed potatoes result in a small area being planted, and even if we hav a great surplus, Europe will certainly need them if Other root and vegetable crops will be all right for those farmers who can ge produce them, but many farmers have given theirsons to the army and are left short-handed and must produce crops that do not require too much hand Hay is Iikely to be quite sufficient for the demand Owing to the depletion of the farm labor supply, smaller acreage must be cultivated, consequently surprised Sandy, but it's a fact.

THE FARMER'S ADVOCATE.
boy for life by mistaken kindness and coddling. At the other extreme, there lives in my memory, a farmer he was thirty-seven years old, scarcely gave him a kind word in that time, and often took stock that the young man had raised
the proceeds.

This was a healthy, muscular young fellow, good natured and not particularly intellectual, always hoping that the "old man" (who spent most of his time in
making money by speculation, while the boy worked at home) would give him the farm.
Finally the "boy" got married and the "old man" Nine out of ten boys would have left home under
hese circumstances at
never gone near the father again. Now there are a lot of farmer fathers who fit in between
tremes. My own father passed when I was a six
Possibly that's why I am on a farm-I six-yearold and paid for an education and paid for the formool muscle. Whether my own boy is being considerately will probatyaps I am not in a position to judge. He his father scarcely out of the high school at sixteen, while age-He has a bicycle, snowshoes and write at that a young horse, two or three suits of clothe wath, and the family car, and pocket money. At his age his father and one pair of wooden strap skates, one suit of clothes, Am I spoiling him? Well, he has to get up at 5.30, help do the chores and other work before and after from home without consulting me and he mume away for his doings while he is absent. He also mast account for the money he spends, and keep up with the "old
man" in the work on the farm in holidays, that a certain amount of downright absolute drudgery the strongest factors in the development and one of reliable character and self-reliant manhood. It is, this same drudgery and the appreciated value of
will certat remain from the bumper crop of 1916 ther should be very ligh
As to live stock and live-stock products, there can be no doubt about the price, and the man who can
increase his flocks and herds either of cattle sheep swine or poultry is sure to be well paid for his work, It must take several years for the supply of beef cattle to anything like equal the demand, or for prices to get down to where they were before the war. The supply of hogs or sheep may be very much increased in a year,
but it takes two or three years to raise a good steer, and it is almost certain that prices of cattle must rule high for several years to come. Farmers should none, and veal very few, and raise all the possible, bob or the stock, and in my opinion there is possible about the teward
Cumberland

## "Dad" and the Boy.

Not long since you made editorial comment on the in their recent lise evinced by the oung Farmers" had not been as generous-minded as he might be to the the "old man" was generally about as considerate circumstances would permit
Now there are "Dads" and "dads", some of them in very small type.
feeling kow one farmer who brought his boy up with the eeling that manual labor was beneath him. This boy old man did the chores, took the hearyy lift was. The dirty, disagreeable work and the boy did the riding He spent much of his youth with a fine horse and bugey and was considered a very good-looking and wellaressed young man, and withal a graceful dancer
He is to-day a broken wreck He is to-day a
and morally.
This father

This father made a fool of himself,

## 

Canada's Young Farmers Fure Leaders. indean

Grow Artichokes-Work or Starve? Editor "The FARMER's AdVocate":
In this time of Empire stress may I make a feer suggestions. We all understand that the food shortage presents a very sefious problem, and will continue to do so as long as the war goes on. In view of this to hered to one crop which I think has not been grown and ward anything like the extent its productiveness wond pound hogs will put on flesh at the richokes. Hundredhalf pounds each per day at a cost of abont and one. per pound feeding on the crop right from the cents In the Southern part of Ontario they would have neally three months to run on the artichokes and dig their own
feed. The workers and feed. The workers and fighters need food in the form of 51 on the Bacon Hog in Canada contains mina Bulletin information on this subject. that is the number of idlers ar subject in passing and in our cities-young men, joy-riders and time killers who are useful only to make food for the more worth-
while workers. Some scheme while workers. Some scheme of "work or starve"

Canada's Young Farmers and Future Leaders

## Rotation Doubled Yields.

Editor "The Farmer's Advocate":
Previous to starting the short or three-year rotation
our farm was cropped in hit-or-miss syster our farm was cropped in hit-or-miss system. Some of
the land was in a fair state of fertility, and some of it
was in very por cond was in very poor condition. We had in all one hundred
and fitty acres, some being rather heavy clay, but as whole pretty well suited to growing clovers.
Up till five years ago we had been growing hay (mostjority of this was fed on the farm to the dairy the majoung stock, the corn being fed to the dairy cows and
yon fall and early
winter, as we had no silo at that time were not of the best, as the tand tseemed to be too close
and heary to This spring we decided to change the seed. seeded practically all our spring grain crop, using a was very good, so we were able to sed all our cotring
grain the following year, using all red clover As we were cutting only one crop of hay off each. seeding,
and using plenty of clover seed, we found it unnecessary to the present, and have by this rotataion methods better
cultivation, been able to practically double the bield of all our crops.
This short ration works in admirably on a dairy
farm where sufficient help is available, however, in view of the shortage of farm help for the coming summer it
 Middlesex Co., Ont. Subscriber.

A Dairy Farm Rotation
$\qquad$


A Seven-Year Rotation. Editor "The Farmer's Advocate" Rotation of crops means more to the farmer and his land than is generally considered. The soil is benefited by being broken up or cultivated occasionally. Plowing down green crops, or even a good clover sod, adds quirements for the several plant foods present, thus element, and keeping the supply more normal. Hoed crops give the operator a chance to clear the land from
weeds, and insects are destroyed by rotating crops and weeds, and insects are destroyed by rotating crops and
plowing up old sod. These and many other advantages plowing up old sod. These and many other advantages
entirely offset, in my mind, any prejudice formed against the system.
I admit that on a heavily stocked farm there are a
few disadvantages to rotation, but, in the light of our few disadvantages to rotation, but, in the light of our
present knowlecge, they are as nothing compared with
the benefit received by its proper application and effipresent knowledge,
the benefit receive
cient management.

True it is that fencing a whole farm at the present
time is costly, but how long could stock stay on some time is costly, but how long could stock stay on some
of our lands and thrive without seriously contaminat-
ing the soil and ing the soil and ultimately causing loss to the owner?
There may be places where a rotation without at least one year for pasture might prove satisfactory, but in
this district where this district where land values are not so high it would
be folly to feed stock in sheds during the whole season and then haul manure to the several fields. This would On our farm, which is designed for dairying to be run in conjunction with such side lines as hog raising,
and poultry, I find the greatest drawback to a short rotation of crops is the lack of stable manure to enrich, sidering the present state of our soil and the amount possible to mane able it all carry, it would be simply im-
say that years. Suffice to say that the few acres occupied by the hogs, year after year, proves what can be done by a short rotation.
Here we intend to follow has proven satisfactory. By having pasture the two it provides more ground, changing from one field to the other or suiting the field to the requirements of the
animal, and when broken up is well manured for the succeeding crop.

By lengthening the system to seven years the im practicability now becomes more feasible, and by all treated, but I assure you that no manure is wasted This rotation will be then hoed crops, wheat or barley oats, clover hay, pasture, oats, clover hay and pasture.
This, while giving us more time to manure, also supThis, while giving us more time to manure, also sup-
plies an abundance of feed, both grain and hay, and still leaves us two fields out of seven for pasture, with an additional two after haying.
We hope some time in the future to shorten this
scheme, or pertaps scheme, or perhaps devote a part to say a four-year rotation and arrange to have the fields sometimes in one system and sometimes in the other. Fred Cody.
P. E. I.

## Automobiles, Farm Machinery and Farm Motors

## Going on a Tour.



as you can always procure any little article the occasion
may call for. It is far better to do this than to be constantly giving up room to baggage that may or may not
sive you daily comforts.

The Gasoline Engine on the Farm.

> Editor "The Farmer's Advocate
engines as adpated to farm work. I have with gasoline gasoline engine for nearly three years and have found it a very efficient farm helper. I have used it to operate a cutting box with 12 -inch throat without carriers, and have found this outfit very efficient for cutting corn stalks and straw for feed. I also used it to operate a
6 -inch plate grinder and a 26 -inch wood saw for cutting poles and cordwood, and it gives the best of cutting tion. For running the grinder I found I had not enough speed by using the pulley furnished with the engine. I put the belt me good speed and ores and this gave in any way. Now I have found from experience that the simpler the engine is the better for the operator, and there is less chance of the operator using strong language of the suction feed type, supply tank being in base is of the suction feed type, supply tank being in base of
engine. I have found this a very reliable type of feed, as there are no pipes to leak and be in the way when you have to make repairs. The carburetor should be of simple design and easily understood, and without superfluous parts to confuse the beginner. The governor fly-ball type mounted on fly-wheel. My engine is of the hit-and-miss type, but the throttling governor will be found more suitable for some work, such as running a cream separator, as it gives steadier power when
working under light load, because there is always a charge exploding in cylinder. The only difference is that there is a small charge used when the egnine is running under light load. In buying an engine care should be taken to select a reliable ignition service. Jump spark or high-tension magneto is the best. Per-
sonally I would advise anyone who is buying an engine to select a magneto type. But batteries are all right only they have to be renewed every 8 or 9 months, and give some trouble sometimes with connections
working loose. Make and break ignition is all right working there are a lot of springs to keep in repair. On the whole I think the simple spark plug is the best. It
is so easily got at to be cleaned, and this needs to be is so easily got at to be cleaned, and this needs to be done often.
Halton Co., Ontario.

## THE DAIRY.

## About Cows.

Aan. Them sat in a crowded railway coach beside a man. They were strangers. They represented ditierent
types and different occupations. She was a farmer's Wric- one of the bright though patient and hard working
farm women who have meant so much to this country.
Hic wom He was of the city-one of the few who know most
ceryytling. They chatted freely about things in general and finally they came down to cows and chicknss
The worran had milked cows and led chickens ail her wounan had milked cows and fred chickens ath
 theory, so the pleasant chat proceeded with changing suljects until it settled on a grade Shorthorn cow in the
woman's herd and which the woman thought a pretty Moman's herd and which the woman thought apetty
nair milker. This cow made ten pounds ob butter per
and Week and threw good calves which they sold for beef. joke, Why down in the county where he came from they
wouldn't keep a cow like that at all. Cows down there made 25 to 30 pound of of butter a ween, and as for the
valves they didn't keep them. It didn't pay to raise

## awa kened to the fact that there is loads of money in

 The woman said "I suppose there is, but I notice some people who are not over anxious to go into keeping coussIt looks fine on paper it it is much morer easily figured


Holstein Records for Seven-Day and Yearly Tests.
From March 1 to 31 there were 73 Holstein cows and
heifers accepted for entry in the Record of Merit. heifers aceepted for entry in the Record of Merit.
Six of the records execeed the 30 pound of butter in



 proseven days. On her bet day she reached 102.51 lbs. of



Segis has 23.72 lbs. of butter and 580.5 lbs. of milk to her credit as a senior two-year-old.
During the months of February and March there were only eieghteen Holstein cows and heifers admitted to Mhe Record of Perormance. In the mature class Crace

 lbs. of milk and 383. bss. of fat. There were seven in the
three-year-old class. Korndzke Wavne Daisy roduch three-vear-old class. Kornd yke wayne Daisy produced
13,673 libs. of milk and 512 bs. of fat, while her stable mate, Lucy Posch, produced 12,921 lbs. of milk and 502 liss. of fat. Princess Wayne cllothilde as a two-year-
old madea reord of 11,185 liss. of milk and 466 lbssof of fat.
Seventy-Four Holsteins Average Over \$181 at the Wookstock Sale.
 was inadvertently made in figuring up the total sale
 only one arimat wherict did did not come up to one hundred dolarars. The ruling price at which females were sold was
near the two hundred dollar mark, which is considered near the evo-rundred collar marke with is considered for the quality of stock offered and satitisfaction given
by the consignors of this semi-annual sale.

The Efficiency of the Dairy Cow.
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Cornelia Aaggie Pontiac 41107
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ration of alt young stock, Even when whole milk is
sold very little plant food goes with it. This accounts
for for the high percentage of the fertilizing value of crops
being returned in the excrement of cows. Other sub) stances in the plants of which the soil does not become
so readily depleted enter into the composition of dairy so readily depleted enter into the composition or dairy
products. The three mentioned are those which some to the maximum producing stage. Of course, when a cow is sold comparatively the same manurial value is
removed as in the case of fat catte. , but the point is
that the dairy cow continues year after year converting farm crops into a high-priced article which does not
exhaust the soil of its fertility when it is marketed.
This This explains very largely how men have been able
to improve their farms through the medium of the Apart from the cow being able to economically pro-
duce a marketable product rrom the rough farm crops duce a markelable product from the rough farm crops factory, creamery and home dairy must be taken into
consideration when comparing the efficiency of the various farm animals as producers of human food, cattle a start, but after a few weeks the fat of milk may be sold and the calf will thrive on the by-product
plus a little hay and grain. Without milk calf rearing is a difficult problem. After pigs are weaned they will get a better start and make more rapid gains if skim-
milk is available than if a substitute must be resorted found ine of the essentials to animal growth that are than in the making of butter, consequently whey or the by-product of chesese factories in not so valuale as skim-
milk. Nevertheless it has a recognized value as a hog Without the by-products of the dairy the hog industry would suffer.
Although the cow is the most efficient of farm ani-
mals for converting farm crops into food for the human race, it would be folly for everyone to rush into dairy considering the energy it furnishes, a varied diet is necessary to the welfare of the human race. Meats are well do without indefinitely. The cow of average production may not give very high cash profits when all why the average should be so low. The maintenance cost is as high for a low producer as for a heavy milker.
The aim should be to breed and feed so that the milk flow of the herd will be double that of the average for the Province. It can be done. It is even possible to
treble the yield by selection of breeding stock. The higher the milk production per cow, other things be-
ing equal, the greater the profit.

## POULTRY

## Produce Pullets.

Editor "The Fipuer's Adyocite":
I noticed an article in your paper a few weeks ago probably no other business where theores. . There manu-
factured and exploded so easily as in the poultry business. I have visited poultry houses with all cotton fronts where the hens were not laying, and have found in
a house that I considered stufy the hens fairly shelling out the eggs, the secret was that in the one case the hens were in a laying condition and in the other case they
were not. My own opinion is, however, gained from my own experience and observations made from other with proper ventilation will ' give better results than a house all cotton front. II notice that in the article I have reference to the writer mentioned getting a number of eggs that I would not have considered laying
at all. As he lives in a very cold part of the country I at all. As he lives in a very cold part of the country I
am positive he would have had far better results by having a warmer house, as he even mentioned that
some of the birds were frosted. I have had a pen of White Wyandotte pullets numbering 80 in a house 12 Coet by 24 feet with two large glass windows facing
south. Those windows are hinged at the bottom and let down from the inside. There are hooks on the top and each day throughout the winter (unless it is very windy) they are opened. At night, however, they were
always closed. The pullets started laying in November, and throughout January and February laid from 40 would say this house was not properly ventilated, but as long as I can get a 50 per cent. egs yield from a flock
numbering 80 in the winter month 1 am satisfied. numbering 80 in the winter months 1 am satisficd.
1 often hear farmers wondering why their hens don't lay, as they are feeding nearly everything in the line of egg- producing foods. Winter feeding is very important,
but how you raise your chicks is far more important. The early-hatched, properly-raised chicken makes the
winter laver. Another popular theory among the college experts
is that the yearling hens should be the only ones to breed from. Again I disagree.. I have anlways rased
chickens from well-developed pullets with the best of results. Take as an illustration the wild birds. Does
Mother Nature allow the older birds only to do the hathing? I think not. And do we notice much difference and young as they must be? We are told to produce
as much as possible this coming season, and regarding the egg question we must raise many pullets and keep
lewer hens throughout the winter to increase the egg
production. Perhaps it might be interesting to many who
vonder of ther recally is any profit in keeping hens in
these days of high feed prices to know that in January
and we used Cruary 1 sold $\$ 153.64$ worth of eggs, besides what we used. Putting the feed at $\$ 1.25$ per day this leaves
a profit of over $\$ 80.00$. I might say this was from nearly
160 hens and pullots. The hens were beot separty but even widt pullets. The hens of were kept separate
hattention they did not lay
half acell as the pullets. So let our slogan for this r be "Produce Pullets,
Ventworth Co., Ont.

Feeding and Caring for a Flock of Ducks.
and yetparatively few ducks are reared on the farm, and yet they can be successfully raised under very much
the same conditions as hens and chickens. Many who have kept ducks in the past but have since gotten
rid of them claim that they eat their heads off. The inck rearing business at the present time is very largely why a few ducks could not be profitably raised on the average farm. They can be kept in moderate sized locks and they win roam over a portion of the farm of green feed, worms and insects entire freedom they become as destructive of farm crops, as chickens, possibly a little more so. If a stream time hunting for food in its vicinity. Ducks, with the fully with hens in egg production, alt hough some poultryare more profitable than hens. They are comparatively free from disease and are seldom troubled with vermin.
The young ducks grow much more rapidly than chickens, The young ducks grow much more rapidy yian chickens, to five pounds when nine or ten weeks old. It will take pretty good feeding to have a chicken weigh half as Ducks do not require a substantial house, as long as it is dry they get along fairly well. The breeding stock should be properly fed, and it is customary to give them considerably more space per bird than is given the
hen. A little straw should be scattered over the floor and it will be necessary to clean it out frequently. The should be shut in until they have laid, or until a ano nine o'clock. In the early part of the season it is necessary to gather the eggs as soon after they are laid as
possible in order to prevent them from becoming chilled. possible in order to prevent them from becoming chilled.
If the ducks are allowed their freedom during the If the ducks are allowed their freedom during the
laying season a good many eggs are lost, as a duck is apparently not particular about laying in a prepared on grain. They require a varied ration in order to obtain the best results. A mixture of cornmeal, bran,
shorts, beef scraps, green feed and oyster shell, moistened Shorts, bee scraps, green
with skim-milk or water, makes a very
good ration watd is preferred to feeding whole grain. The duck does not possess a distinct crop like the hen, therefore the feed passes more directly to the digestive organs
and does not undergo the same softening process as and does not undergo the same softening process as
that consumed by the hen. For this reason the best results are secured through feeding a mash. Oyster As a rule the heavier breeds of ducks are good sitters and may be used for incubating their eggs. However,
hens or artificial incubators are more fenerally resorted hens or when the eggs are set under a hen or in the in-
to with lukewarm water. When the eggs hatch the ducks should not be fed for about thirty-six hours. Their first feed may consist of a moistened with milk to which is added a little grit. After a few days the bread may be dropped from the ration and equal parts bran, shorts and cornmeal fed. If skim-milk is not available or other animal food. Ducks need water when they are feeding but it is not necessary that they have sufficient to swim in. They also require green feed in some form. Poultrymen who make a success of raising ducks have derived valuable lessons in feeding, from watching the
ducklings when on free range. They observed that considerable cuantity of growing shoots and roats water plants, snails, small fish, and the larvae of aquatic
insects are consumed. From this it is learned that it is necessary to give soft feed. In order to secure economic be ground and moistened instead of being fed whole Cleanliness is important, but it is difficult to keep the pens clean when the birds are in confinment. Where
possible the young ducks should be furnished with possible the young ducks should be furnished with good thing in which to feed the mash. It can easily be
cleaned out and washed when necessary. Clean water are confined in small runs or pens. Where the stream of running water is available there is considerably less
trouble in rearing ducks, but, lacking such pure water trouble in rearing ducks, Su, ,acking succh, pure water
can be supplied it trough When the ducks are yarded
it is necessary to fecel steen and animal food. The ration should consist of about fifteen per cent. of animal
meal. Green feed can be supplied by cutting rye, clover, altalfa, peas, corn, ctc, They will eat any of these
feeds readily when krass is not available. These may be fed separate from the mach. It it advisable to furnish
shade for the growing ducks. If they are exposed to the hot rays of the sun they are liable to be overcome with
the heat.
weight, which should be at eight to ten weeks, the quanity
of corn in the It is generally claimed that there is more money in disposing of the ducks at the age mentioned than keeping
them until fall or early winter. Using a mash instead of whole grain for feeding ducks, marketing them at eight or ten weeks and keeping them away from the
well and doorsteps would no doubt overcome much of well and doorsteps would no doubt overcome much of
the oldtime prejudice against keeping ducks.

## Egg-Laying Contest

Mrst week of the sixth Competition, the 505 birds entered have laid 24,919 eggs in the twenty-one weeks, which include the winter
months when it is most difficult to secure eggs. In the week beginning March 21 , a total of 2,025 eggs were produced. A number of birds laid every day in the any pen of five. This was by a pen of Columbian Rocks. Thirty eggs were laid in the seven days by five White Faverolles, which have laid a total of 311 eggs in the
twenty-one weeks. Tom Barron's White Wyandottes are in the lead to date with 463 eggs to their credit.
A pen of Columbian Rocks entered by J. M. Jones is a good second, having produced 422 eggs. A number egg mark, but a large percentage run between 250 and

HORTICULTURE.

## A Few Hints Re the Potato Crop.

A good crop of cereals, corn and potatoes will go
long way in making things look brighter for the city a long way in making things look brigter foxt weinter, food supply, but as yet no one knows what the yild will be. We can judge aarly acturately as ultimete results that may be seeded or panted, yet the utamat (health,
are hidden from us. However, this we can do, climate and labor permitting) towards greater production: We can put the land in good tilth; we can select
and treat the seed properly; we can cultivate thoroughly and treat the seed properly; we can cultivate thoroughty
while the croo is growing, and in many cases spray or who other things to ward off diseases or insects; we can harvest it as carefully as the weather conditions will permit, with the help at our disposal; we can store it in such a way as to preclude all unnecessary waste and
then we can prepare it for distribution in a suitable and useful package. This is the duty of the producer, but distributers, transportation companies and consumers, who are all interested in Canada's production of staple food articles, also have a duty in this regard.
They know what it is well enough, and here we shall only pretend to outline a few points in connection with the preparation for a good crop of potatoes. It is quite within the range of possibility to increase the yield of potatoes fifty bushels over and above the ordinary hit-and-miss crop by perseverance and good
cultural methods, or it would be quite as easy to fall culturayhels per acre below the ordinary yield through negligence or indifference to the cardinal points in the management of the potato field. Ontario and the
Maritime Provinces have methods which differ someMaritine features yet in the main growers must pay the same attention to seed selection, soil preparapay the same altivation, spraying and marketing.

So'ection and Preparation of Seed.
It has been a long time since the seed-potato problem was so critical, and while, in normal years, only the modify our plans and adjust our practice to suit the conditions that are pressing us on every hand A tuber which weighs six to eight ounces, is smooth, free from disease, thpical of in every respect is iust the specimen to select quality in every respect, 18 just the specimen the
when cutting sets, but a bag of such as these would be worth anywhere between three and four dollars. Thus the seed for one acre alone would represent between $\$ 30$ and $\$ 40$, may have some medium-sized or small ones on hand, but with them the sort they would prefer to use might be scarce. What should they do? in arriving at any conclusion in this matter, especiary in mind that onseason was not favorable to the production of largesized tubers, and if the general run of the crop is small it is to some extent, due to chimatic conditions, and stock itself to retrograde or to be "run out," as the common saying is, While we are still extremely orthodox in respect to our doctrine that only the best tubers should be used in planting. we feel obliged to make some In sections which are especially adapted to the produc tion of potatoes we feel sure that they should select for anything which grew to proper proportions last year under unfavorable eonditions should be superior in vitality and resistant quatities, and it afloras an admirable op progeny under favorable conditions and do well when
soil and climate are not co clement. We look to these districts for seed, such as Caradoc Township in Ontario, and this is their opportunity to spring to the fore in the selection and development of a class of potatoes
that has stood the stress of a late spring and a dry

THE FARMER'S ADVOCAIE
summer. Other potato-growing sections are in the
same category, where they look on their crop as superior
and a seed demand. The Maritime Provinces occupy
much the same position. The crop there was very
good last season, but in New Brunswick considerable
loss did result from blight. The growers cannot be
any tubers showing signs of disease, for stock to rejec
affected sets is a potent means of propagating blight
While the biggest and best tubers surely have the stock like unto themselves, the smaller ones are not so potatoes were the result of no selection when undersized
tion. However, if a grower should resort to a second-
good ones in some part of the field, keeping them separate
a war-time measure and not to be indulged in is only
extent of adopting it as a practice, nor should it be
The growers of early potatoes usually look to some
locality north of them for their stock of seed. Many
of the Sarnia District producers have had good results
with potatoes brought in from the State of Wisconsin
matured earlier and the to a warmer climate, the crop
native seed. The same results accrue from stock
produced in the more northerly areas of Ontario
produced in the more northerly areas of Ontario. This
is an established practice now, and one to which early
potato growers should pay attention. At a recent vegetable
growers' conference in Toronto the delegates agreed
in yield amounting to 25 per cent. and from 7 to 10
days advantage in date of maturity.
Where the soil is moderately fertile two plants to
the hill usually give the maximum yield, but if there is
vegetable matter in the soil one plant to the hill will,
able tubers. These conditions determine for us whether
value of seed potatoes this spring is likely. Again, the
tremes in respect to small tubers and small sets to ex-
potatoes. The latter should not be plabby and blighted
and the former should be treated in a solution of corrosive
safer to have around the place. One pint to thirty
the tubers are immersed for two hours after which, and
sets should
weaken germination by coming into contact with the
which induces scab. Ashes or other ingredients rich
such, which tend to make a sour soil, are detrimental
Varieties.
There are too many varieties for the good of the
potato business. Perhaps there are not too many if
we look at it one way, but they are too widely scattered.
should equip themselves, through co-operative effort,
color, shape and size, where possible. The variety
might be Carman, Green Mountain, Empire State
Dooley, Delaware, Rural New York or Davies' Warrior
Eureka or Irish Cobbler for early. The market desires
a tuber that will weigh around eight ounces, they must
be smooth, have shallow eyes, and they should be dry
and mealy when cooked. Some of these characteristics
crop is produced and the climatic conditions prevailing
ties naturally grow rough and have deep eyes, while
outline and of good texture. The Carman, Delaware with a planter whir and sodden. The sets are dropped
Ontario. Green Mountain and Empire State are quite is the depth of planting in favor. If a cold, backward
while Prince Edward Island growers go in more largely,



Smooth Potatoes, Weighing Around 8 Ounces, Suit the Market.

April 19, 1917
IHE FARMER'S ADVOCATE.
reminders of the present sanguinary conflict. Children will again ask their grandfathers what it was all about; answers than that given by old Kaspar to the two
children in the story. And, if we are honest, we shall have to go behind the immediate cause or provocation mate causes. In this connection I have recently read a most illuminating statement made by Hon. Clyde
H . Tavenner in the United States Congress, on Feb. 15, 1915 . Tavenner's subject is the World Wide War Trust, and it is dealt with most exhaustively. His immediate purpose is to show how the U. S. Govern-
ment has been exploited by the War Trust; but incidentally he shows also the magnitude, methods and results
of this nefarious ring, and their relation to the present European war. It is a subject which we Canadians
know little about, and which we ought to know a great deal about. I hope, therefore, Mr. Editor, that you will
grant me permission to place this subject briefly before grant me permission to place this subject briefly before
your readers. It is alleged that systematic misrepresentation
as to the building programs of Great Britain Germany was carried on by the International Trust, with the purpose of stirring up suspicion and ill-feeling;
and that similar damnable practices were adopted as regards France and Germany. The Coventry Ordnance Co. began this work in England in 1906, with most satis-
factory results from the point of view of the munitions firm. In 1913 Herr Leibknecht made the most startling
exposures in the German Reichstag, to the effect that a German armament firm was inspiring violent diatribes against France in German papers and at the same time
that the French war department was increasing the
number of its guns;--fomenting bad feeling in these
wayssoas to increase the demand for arms and munitions,
Mr. Tavenner shows
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$\qquad$
ments eliminating competition. He shows further the
tremendous profits made by the War Trust and asserts that the private ownership of armor and munition We have seen something of armor-plate patriotism profiteers have been able to hold the Government shops this along with the evidence submitted by Mr. Tavenner,
the conclusion is irresistible. And why do the people the conclusion is irresistible. And why do the people
allow such conditions to continue? The answer is supplied in part by the following list of stockholders
in an English munitions firm: Sixty noblemen, their wives, sons and daughters; fifteen baronets; twenty and naval officers; eight journalists.
And it is supplied in part by the fact that the people
have not known these things. has compelled the nationalising of the munition business and it is to be hoped that never again in the history
of the world will the opportunity be given to giant trusts to heap up riches from the nations' blood and Lears.
Let see that war-mongering by giant armament a struggle. Those who are reaping their millions out perpetuate that state of international feeling which
What the Ontario Legislature Did Matters of agricultural interest formed a considerable
purtion of the business of the Ontario Legislature which has just concluded its annual Session.
As will be seen from the accompanying comparative financial statement, generous financial provision has
been made for carrying on the work of the Agricultural Department during the current year. An analysis of the different items shows that not only has the usual work
been provided for, but provision has been made in many instances for an extension. In the matter of Civil
Government the chief explanation of the increase aside from the salary increases of the staff, is provision
for the office of the Commissioner of Agriculture recently Live Stock Recognition.
$\qquad$ Fair and the Ottawa Winter Fair have been increased
by $\$ 2,5) 0$ and $\$ 1,000$, respectively. This makes the total grant to the Guelph Fair $\$ 12,000$, and that to the For sheep-breeding experiments an additional
$\$ 2,000$ has been allowed, which will make possible considerable extension of the work of placing demon-
stration flocks throughout the Province, which was undertaken on a small sca!e last Fall.
Another $\$ 500.00$ has been provided for defraying Another $\$ 500.00$ has been provided for defraying
expenses in connection with the shipment of live stock
to the West, as this work, which was taken over by the Department from the Associations a year ago, has increased. Another line which has occasioned largely
increased demands has been the holding of sales of pure-bred stock. For this the grant has been raised
from $\$ 800$ to $\$ 2,000$ and definite regulations will be adopted as to the basis on which assistance may be
rendered in the very desirable work of distributing pure-bred stock throughout the Province. A grant of
Association. Extensions at Vineland. In connection with fruit very important extensions
are being planned for the Fruit Experimental Station at Vineland. Arrangements have been made to lease an
additional twenty-five acres of land for use in plant Then, too, the farm has been handicapped by lack of greenhouse facilities and provision has been made for erecting a reasonable amount of accommodation of
this nature. Along with this, a central heating plant
will be erected and provision is also made for additional oottages for the hired help. As in the case of other farmers one at Vineland and it is only by providing cottages
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$\qquad$
$\qquad$ Ontario Agricultural College.
The increases at the Ontario Agricultural College are I, labor, feeding stuff, Butter

Grading Undertaking.
An important work is being undertaken by the
Iready explained the Dairy Branch will have grading or grading will be purchased outright and for this the
ill be $\$ 75,000$ has been provided. Whether all of this
ill
grading, but such portion as is needed will no doubt be
counter-balanced by revenue from the sale of the samples. The grading for this year will be optional and detailed regulations are now being worked out by the Dairy
officials and will be announced in the very near future. Legislation on Co-opsration.
One of the most important phases of agricultural legislation, introduced by the Minister, Sir William
Hearst, was that making provision for the organization of co-operative companies. This is designated, "An
Act to Amend the Ontario Companies Act." Some years ago the Company Laws of Ontario were con-
solidated and laws dealing with all classes of companies were brought together. In accordance with this plan
this Act is made a part of the general company law, this Act is made a part of the general company law, ment of Agriculture as in the case of other Provinces and
States. It contains the p ovisions which apply especially to co-operative companies but, of course, they will also,
be subject to the other general terms of The Companies' Act. Consequently, the Department will issue a publicaformation dealing on this subject. The new Act does not apply to any company heretofore imcorporated. word, "co-operative unless it conforms to the terms
of the Bill. The Bill provides that no member shall have more than one vote, for the method of distributing
surplus, namely, interest up to $8 \%$; then, if desired, a reserve fund not to exceed $20 \%$ and use of up to $5 \%$
for educational or community work. Provision is made for the transfer of shares only when authorized by the
Board of Directors, for the use of capital notes as capital,
for the organization of branches and the making of for the organization of branches and the making of the Provincial Secretary may order an investigation
of any Company. The Act received careful consideration and representations in regard to it were made to the
Minister during the Session. Some of these representations were met by the amendments. As to other
points, the Minister made it clear that the object of the Bill was to facilitate co-operative organization on experience, they coult be dealt with by amendment at
future Sessions. Dairy Standards Act Postponed.
As already announced in "The Farmer's Advocate", postponed by a Bill introduced in the early part of the
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$\qquad$ to creat $\qquad$ The clause Agricultural Societies. with the returns in the case of loss through bad weather suffering from have received $60 \%$ of the difference between their of three previous years. This was changed to make
it $75 \%$ on a basis of three previous normal years. In
provokes wars. It has been done in the past and it will be done in the future, -unless the bleeding and
suffering masses arise in their strength and decree otherwise. All sorts of specious and false arguments maintain their business, and it is our duty and privilege to see that the element of private profit is entirely
eliminated from this whole business. Only thus can
we rest in safety
$\qquad$ of war-mongering, but there is danger too, and terrible
danger, from all those evil-minded or foolish people
who are crying who are crying out to punish Germany by commercial
ostracism after the war is over. God knows the world is now suffering penalty enough, the millions of innocent
suffering for the few guilty ones. To maintain a constant
source of ill-feeling by commercial warfare would not source of ill-feeling by commercial warfare would not
only be the most extreme folly from the standpoint of political economy, but would also be a most heinous
$\sin$. God grant that the British sense of "Fair Play" may prevent us from that most contemptible and
corrupting conduct, the smashing of the face of the man
who is down! If all signs do not fail the present war will see the
downfall of the Hohenzollern dynasty and something in the way of a political revolution in Germany. Let
us assist, and not hinder, a shattered people in building us assist, and not hinder, a shattered people in building
up their society upon better lines. The "Golden Rule"
is good politics, as we have seen exemplified so forcibly is good politics, as we have seen exemplified so forcibly
in South Africa. Let us, therefore, forgive and forget,
as best we may, believing that in helping others to repair war's ravages we may best help ourselves.
"Vengeance is Mine", saith the Lord, "I will repay".
Brant Co, Ont. engeance is Mine", saith the Lord, "I will repay"
Brant Co., Ont.
for Agriculture.
some instances it was found that Agricultural Societies had been unfortunate enough to have three consecutive
years of bad weather, and in such cases the amount due them was entirely out of proportion to their losses. in all has not been changed. The Act, however, has been by fire or storm on the day of the Fair or immediately A change was also made in the Horticultural SoSocieties in townships as well as in towns, cities and
villages as in the past.

Agricultural Loans.
An important Bill dealing with loans for agricultural purposes was another introduced by the Attorney-
General. It makes available loans for the erection of buildings, for machinery, fencing, draining, clearing regulations, not more than one-third of such loan being
for purposes other than permanent improvements The plan followed in this matter is practically the same
as laid down in the manner of drainage loans which
have been made have been made some years past. The Treasurer of the
Province will loan the money to any township the receipt of debentures issued by that township. and collect with the taxes. The rate of interest shall be
fixed by Order-in-Council from time to time, presumably in accordance with the fluctuations of the money market. must be secured to have a lien placed against the property.
No loan shall exceed $60 \%$ of the assessed value of the
property. The method of the repayment of the loan shall also be fixed by regulations which shall likewise Tile Drainage Act" was amended to permit the "Tro vince to loan up to $\$ 100,000$ to any township instead 000 for these loans rather than the $\$ 500,000$ investment
in the past. These changes were made necessary by the
increased demand which has been made for loans of this nature during the past few years.

Soldiers and the Land.
A Bill was passed dealing with the question of providing for agricultural settlement of soldiers and sailors in settling of soldiers on the land in Old Ontario, although
it is understood that this matter has received Government consideration. As far as settlement in New Ontario
is concerned, the Bill authorizes the Minister of Lands, Forests $\&$ Mines to set apart and to appropriate any
territory that may be nacassary and to plan farm colonies, furnishing training camps, and making such other prelimthe payment of wages or other remuneration for work Act, and assistance may also be rendered by the De-
partment in the purchase of stork or implements and
the making of such other arrangements as may be necessary to give the soldier settlers a start on the land. Provincial Highway. Another Bill of considerable agricultural interest was
hat introduced by the Minister of Public Works to provide for a Provincial Highway System. This Bill
authorizes the construction of a system of highways
from the south-western boundary of Ontario to the
boundary line between Ontario and Quebec. This

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highway is to be made up of such roads as the Lieutenant
Minister of Public Works，may designate，and roads ， ＇s
designated shen
designated shall be＂accuired，constructed，assumed，
repaired，re－located，deviated，widened
by the Minister for Ontario as a Provincial Highway．＂
but township municipalities through which such road
of construction and maintenance．Portions of the high－
way inimediately adjacent to citics shall be designated
as provincial suburban roads，and in such cases the
that work on thest and maintenance．It is not planned
legislation so that the initial plans may provided in this
way at the termination of hostilities．
Department of Agriculture Bill．
Then there was the Bill dealing with the organ－
ization of the Department of Agriculture：This，because of the politiccal nature of the discuscultion which developed， pall the prcupied more of the time of the House than
Far
Feviously mentioned matters put together a resolution dealing with agricpltition has introduced has been the subject of general discussion and general introduced and the criticism This year no resolution was ment of Agricultural Bill．This Bill makes possible the appointment of a Commissioner of Astriculturd also the the demand for a practical farmer for hinged around Department he Minister for undertaking the bilities of his position．The attitude of the large re ponsi－ hoist to the Bill and declach moved the six months ment of a practical farmer as Minister and a appoint－ qualified Deputy Minister．In stating the position of said that he had never intended to undertake the port－ to familiarize himself with the work of the Ding he desired and the Province with which it was dealing，and possibly When out some plans for the co－ordination of the work ment could be better served by the appointment in doing so．As to the said he would have no hesitation referred to the fact that the Deputy Minister of Agri and had held the present position for for eight years question，therefore，was as to the service rendered and contrary favorable comment．As to the appointment ofpansion and not duplication．He mentioned the work investigational capacity in the Federal Departmend service in Ontario．Creelman would perform a similar services were available for this work at the present time
without injury to the interests of the Ontario Agricultural College on account of the decreased attendance aricul different，he would see that the interests of the College did not suffer．The debate occupied one afternoon and
evening session． During the session the Agricultural Committee，
of which J．R．Dargavel，（M．P．P．for Leeds）
ele They took up the question of production and ang sessions． was led by Dr．C．A．Zavitz，on farm labor a discussion Board of Trade．A discussion on the Bacon Hog was Robert Harcourt．Very considerable interest was shown Appropriations for Agriculture．
Civil Government，Print－
ing Reports and Bul

| letins，Statistics，Miscel－ | 1916 |  | 19 |
| :---: | :---: | :---: | :---: |
| Agricultural College | \＄70，675．00 | \＄ | 81，116．66 |
| Agricultural and Horticul－ | 3.35141 .00 |  | 329，567．00 |
| Live－Stock Branch | 163，950．00 |  | 164，475．00 |
| Institutes Branch | 50，617．24 |  | 164,450 58,350 |
| Dairy Branch． | 41，072．24 |  | 41，375．00 |
| Fruit Branch | 6，150．00 |  | 144，547．30 |
| Ontario Veter | 32，325．00 |  | 85，47．5．00 |
| District Representatives | 83， 893.07 |  | 3，3，228．83 |
| Demonstration Farm | 10，600．00 |  | 80，600．00 |
| 俍 | 10，000．00 |  | 8，000 |

Labor in the B．C．Fruit Districts．

| Type of Burley | $\begin{aligned} & \text { Plot } \\ & \text { No. } \end{aligned}$ | Yield per Acre in Pounds | $\begin{gathered} \text { \% Bright } \\ \text { Leaf } \end{gathered}$ | $\begin{aligned} & \text { \% Red } \mathrm{Red} \\ & \text { Leaf } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| Improved Standul Improved Standup Brondleaf | 1 2 1 2 | $\begin{aligned} & 1073 \\ & 1125.5 \\ & 1370 \\ & 1222 \end{aligned}$ | $\begin{aligned} & 79.2 \% \\ & 83.40 \\ & 72.3 \% \\ & 79.5 \% \end{aligned}$ | $\begin{aligned} & \begin{array}{l} 10.8 \% \\ 16.6 \% \\ 27.7 \% \\ 20.5 \% \end{array} \end{aligned}$ |

THE FARMER＇S ADVOCATE．
called a meeting $\qquad$
work for the Fanderstod thrat they were going out to
$\qquad$
$\qquad$
$\qquad$
$\qquad$
League，which represents 3,000 women in Vancouver，
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ It is estimated that fully 70 per cent of the Valley． ployed was Oriental．The women have an opportunity
to save this work for the soldiers when they return， can be given good reliable employment a to 4,000 men over．It is worth making a sacrifice to save this industry dollars by the buy－at－home movement province six million capitalized industry for the men oportunity，save a heavily overseas．Employment is certain from July to Novem－
ber 15 ． A representative of the Mission Hatzic fruit dis－ tions at these two places would require 1,500 pickers
for the berry crops，commencing in June and till September．He made the statement that these districts paid more for picking than any other fruit
district in the world．He assured them that if meant business and would work and not treat the mat－ $\$ 2.00$ a day．He went to the other side of the matter and stated that if the women failed them they would regarded the latter as a greater menace than the China In speaking to one of the biggest box manufacturers has done more to solve the Oriental labor problem than
anything else．It was his opinion that the white people work，which had left the field of labor open＂nice＂ brought the whites＂down off their high horse，＂and he solving itself and will stay solved after the problem is
B．C．
Walter M．Wright．

Selecting the Type of White Burley to be Grown in Ontario．
Editor are farmers advocate ．Thite Burley now being grown in the Burley sections，namely：the original
Broadleaf Burley and the Improved Standard Burley．
The Broadleaf Burley Imple large type with broad，，drooping name leaves licates，is a
a heavy yielder，and， of the leaves，it is inclined to cure up a little dark．
The Improved Standard is a somewhat smaller type
than the Broadleaf Burley， smaller veins，of a little finer texture than，erect leaves，Broadleaf， leaves also tend to decrease the percentage of wrappers in the standup Burley，
Since the populatity of，and the returns realized
from，any type of tobacco，depend largely on the quality of the cured product and the yield per acre，experimenty
were conducted at the Harrow Tobacco Station during
the past season to determine the Four plots of ground，with as nearils the same text types．
character and fertility as possible were sclected．Two
of these plots werc the；cult ivated alike；and harvested and cured under
the same conditions．
$\qquad$
 which appeals to him．No man is justified，if he needs
help，in turning down a man offered him，provided he is assured that man is what he needs and can do the work．
All hands are learning through experience，the best though expensive teacher，and each following year
should find conditions better than those of the year
that is past．If you can get the men take them and all
hands Producel

New Canadian Butter－Fat Record． on going to press we are informed that a new Cana－ stock－5 nar－old Jersey，owned by D．A．Boyle of Wood－
$14, S 52$ nound months under test this cow produced butter－fat．This is an exceptich yailly high 872 pounds and and shows
the possibility of butter－fat production．

The Road Congress at Ottawa There opened on Tuesday, Aprii 10, in the city of Cood Roads Congress. In the very beginning of the Conference delegates were encouraged by the presence of His Excellency, the Duke of Devonshire, who officially opened p oceedings, and also by other distinguished George E. Foster, and others

These speakers pointed out that road making was a would be reflected by its roads. A number of the paper dealt with technical and engineering questions, as to W. A. McLean compared our transportation systern to a tree, which, to grow and expand must get its vita
trength from the soil. The railways were describe as the trunk of the tree, which must derive strength
from good public highways. The transportation system of the country must have its roots in the common high way, and it is very gratifying to recall the fact that every
Province in the Dominion has created special Depart ments to deal with the question of the construction of public highways. S. L. Squire, Honorary President of the Ontario Good Roads Association, welcomed the delegates on behalf of the Province of Ontario. A. A. Dion, of the
Ottawa Valley Motor Car Association, also spoke in encouragement of the movement.
On the second day of the Convention the sessions got down to a discussion of the detailed questions
entering into the good roads problem. In discussing Ontario Highway Legislation, W. A. McLean, Deputy road laws of Ontario are based on the municipal system, with progressive self government throughout the Pro-
vince. At the present time townships are spending annually over $\$ 1,400,000 \mathrm{in}$ cash and $1,100,000$ days of As a general thing the mileage of road assumed by
the county under the County Road System is from twelve to eighteen per cent. of the total mileage of the county, and county roads must be built in accordance
with the regulations of the Department of Public Highways. Mr. McLean described the Ontario Highway Act as an ideal law, constructed on the Ontario Municipal Act. In his opinion the building of the Provincial Highway system will All a mats should be built and maintained in proportion to the traffic over them. Good, convenience to urban dwellers, and the construction of main highways radiating from a city is undoubtedly
of great value to the city as well as to the country. of great value to the city as well as to the country.
Col. William D. Sohier, Chairman of the Massa chusetts Highway Commission, addressed the Convention on Bituminous Macadam Roads, and pointed out
that in his State increased motor traffic had worn out the older roads to such an extent that it was necessary o use George Hogarth, Chi Public Highways Department, gave a technical paper on road drainage and foundations. The stability of the entire road service depends upon the toundation, provided for good drainage. The water must be pumped out of the subsoil, and then a suitable foundation can be built on that dry subsoil. As soon as the foundation
of a road becomes soft and yielding, the road will break of a road becomes soft and yielding, the road will break
through. The whole problem of maintenance rests through. The whole problem of maintenance rests
largely with drainage. Undrained roads are injured
. missioner in Connecticut, read a paper on constructionand maintenance of gravel in Macadam roads. He some interesting advice on reparived on roads and gave ping gravel into a hole does not remedy the trouble. The gravel should, on the other hand, be dumped nea did not believe in oiling Macadam or gravel roads.
did There were a number of other papers given at th Convention, but nearly all of them were of a technical
nature, as will be gleaned from some of the following


Carrying Swill.
Showing an old-fashioned yoke not often seen in these days. Such
subjects: Modern Road Machinery, Its Selection, Use tario Public Highways Department; Road Organization, by Geo. S. Henry, M.P., for Ontario; The Contract of Specifications for Paving, by C. A. Mullen, Montreal; Sheet Asphalt Pavements, by T. Lindsay Cros ley,
Toronto; Road Tars and Oil, by A-thur H. Blanchard, New York; and the Highway in Relation to Land

Frosts Injure Clover and Wheat As we go to press, April 16, conditions are rather un
vorable for the clover and fall wheat crop over a large part of the Province of Ontario. When the snow wen off earlier in the spring the wheat looked well, as di also the new seeding, but the hard frosts of the las In fact one week ago when work was started held issue, we believed that the wheat and clover would be safe, and made an editorial paragraph to that effect frosts and cold weather last week brought more severe our clover fields yesterday we found that where the stubble was not long, and particularly on the knolls, considerable of the clover was completely pulled out and more of it was heaved to a very injurious extent Auffered so badly, but in talking with some sem our have ers we hear that much of the wheat has been injured to a degree.
which we pass one object lessons in our clover field acre field, which had been seeded with winter wheat the new seeding seems to have stood the frosts wel
and very little heaving is noticed. A long stubble was left on this field when the wheat was cut, and this no doubt, has served as a protection for the clover.
Furthermore, the field is fairly well underdrained and this may have had some effect. One reason that we draw attention to this is because on another field where there was little or no stubble left when the oats, which
were a light crop, were cut, and where the land is not all underdrained we noticed that the clover was badly
heaved, particularly where there were no drains and heaved, particularly Where there were no drains and
on exposed knolls. Where the drains ran through this field, and in the hollows, heaving had not been so injurious, but on the whole that field where the stubble was short (practically nothing at all) is notly a promising condition at the time of writing. Equally well-marked was the difference between the clover on a portion of
another field where there was plenty of stubble left, and that on the other half of the field where the stubble was very light. The first-mentioned portion of the field was seeded with a mixed crop of oats and barley course, the crop of mixed grain was a much better one than the crop of barley seeded alone, largely because it was put in earlier and then, too, mixed grain generally does better than either oats or barley sown alone. At portion of the feld, and on in this the late frosts to much better advantage than on the other half where the stubble is very light. This entire field is well underdrained, so that there seems to be a great deal of virtue in a seeding through the winter and through the spring frosts. There is another point which we wish to emphasize,
and that is the inadvisability of pasturing newly-seeded land closely in the fall. Last fall we were very short of pasture at Weldwood, the bad season simply burning
up the grass in late summer and early fall. It seemed up the grass in late summer and early fall. It seemed
absolutely necessary that the clover be pastured, and was eaten down quite closely in some of the fields. The field seeded with the fall wheat was not croppsd off quite so closely as the other two fields, and it is in In an endeavor to save the clover and give it a start all three fields are baing rolled as fast as $p$ ) sible. This may help some, but the injury has been great. Just how badly the wheat and clover has been pulled the Province over we are not able to state, but judging from
conditions at the time of writing and from reports from conditions at the time of writing and from reports from we have been having will surely work great havoc.

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

Toronto.


| for the past week show | $\$ 10.40$. Bulls were also in strong demand |
| :---: | :---: |
|  |  |
| ease of 1,528 cattle, 295 ca | . 25 to $\$ 10.75$ and a few at higher |
| decs 283 shee and lambs when | prices as follows: One, 1,750 lbs., |
| mpared with the corresponding week of 16. | at $\$ 11.00$; one, $1,660 \mathrm{lbs} .$, at $\$ 11.00$; one, $1,810 \mathrm{lbs}$., at $\$ 11.15$. |
| 俍 |  |
| et was light, only 1,336 cattle of |  |
| es being on sale. Trade was | They sold as quoted elsewhere. Milkers |
| dly strong with butcher steers and | and springers were without change from |
|  | the previous week. Sheep and lambs |
| prices 25 c . to 30 c . higher than the previous | have been very strong |
| k. Two choice baby b | Yearling lambs |
| ch, sold at \$13 per cwt.; 21 | per lb. for choice, and choice sheep at |
| ,300 lbs. each, at \$12.25; | $101 / 2 \mathrm{c}$, to $121 / 2 \mathrm{c}$. per lb . One extra choice |
| mber of loads sold at from $\$ 11.75$ |  |
| $\$ 12.00$ per cwt. The highest price |  |
| the week for straight loads of catt | e calf market was very irregu |
| as $\$ 12.50$ for 18 steers, average weight | up one day and down another. The |
| 430 lbs . The top price for small lots | woek's trade closed with them selling |
| as $\$ 13.00$ for 4 steers, average weight | firm as follows: Choice veal, 14c. to |
| 530 lbs. On Thursday trade was slow | 15 c . per lb ., a few at $151 / 2 \mathrm{c}$. per lb .;medium |
| and from 25c. to 40c. lower for most | at l1c. to 13c. per 1b., and co |
|  | at 6 c. to $81 / 2 \mathrm{c}$. per lb . |
| s | Hogs.-The market opened Monday |
| C. to 50 c . higher, choice selling | with fed and watered selling at \$15. |
| \$9.75 to $\$ 10.25$. They remained | during the rest of the week they cos |
| is price | to advance until on Thursday fed |
| as follows: |  |
|  |  |

weighed off cars at $\$ 16.85$ to $\$ 17.00$ which
is the highest price ever paid in Canada. Live Stock Quotations.-Heavy steers,
choice, $\$ 11.75$ to $\$ 12.25$; good, $\$ 1125$ to $\$ 11.75$. Butcher steers and heifers, choice, $\$ 11.25$ to $\$ 11.75$; good, $\$ 10.75$ to $\$ 11$; medium, $\$ 10$ to $\$ 10.50$; common $\$ 9$ to ; $\$ 0.25$; $\$ 9$ to $\$ 9.50$; $\$ 9.75$ to $\$ 10.25$; good, $\$ 8$ to $\$ 9.50$; mmon, $\$ 7$ to $\$ 8$. Canners, and cutters $\$ 5.40$ to $\$ 6.25$. Bulls, choice $\$ 10.25$ to $\$ 10.75$; good, $\$ 9.50$ to $\$ 9.75$ to $\$ 8.25$. Stockers and feeders, best $\$ 9.50$ to $\$ 10$; medium, $\$ 8.75$ to $\$ 9$;
 best, $\$ 90$ to $\$ 110$; medium, $\$ 65$ to $\$ 85$;
common, $\$ 50$ to $\$ 60$. Lambs, common, $\$ 50$ to $\$ 60$. Lambs, spring
lambs, $\$ 7$ to $\$ 14$ each; yearling lambs, choice, 14 c . to $15 \mathrm{t} / \mathrm{c}$. per 1 lb . cull s ,
9 c . to 12 c . per 1 b . Sheep light, $101 / \mathrm{c}$. to $12 \mathrm{t} / \mathrm{c}$. per lb . heavy, $81 / 2 \mathrm{cc}$, to $91 / 2 \mathrm{c}$.
per lb . Calves, choice, 14 c . to 15 c . per 1 b . Calves, choice, 14 c . to 15 c .
per 1 b ; medium, 11 c . to 13 c . per 1 b ;
common. 6 c . to $81 / 2 \mathrm{c}$ per common, 6 c . to $81 / 2 \mathrm{c}$. per lb .; heavy,
fat, 7 c . to $91 / 2$. per lb . Hogs, fed and
watered, $\$ 16.60$ to $\$ 16.75$. watered, $\$ 16.60$ to $\$ 16.75$; weighed of
cars, $\$ 16.85$ to $\$ 17.00$.

Less $\$ 2$ to $\$ 2.50$ off sows, $\$ 4$ to $\$ 5$ of stags, $\$ 1$ off light hogs and $\$ 2$ off thin
feeder pigs, and half of one per cent. feeder pigs, and half of one per cent.
government condemnation loss.



Spring Flowers.
(By Evelyn D. Bangay, in the "British Little eager feet of the West Wind, run,
Haste warm fingers of the climbing Your mother now has cast away her cloak And soon willere need the wearing of her green Spring gown

Broider it with many a primrose head, Trim the kirtle with your nut-flowers red,
Garland it with marigolds, and all along Garland it with marigolds, and all along
the hem Twine your periwinkles blue, and stars of
Bethlehem. Stud it with a hundred speedwell eyes, Paint the fabric with your petalled dyes,
Heap it with fritillaries, and deck it every

Flag it with a fringe of catkin tails, Strew it thickly with ground-ivy trails,
Cover it with gillifowers, and all along the Twist your glossy buttercups and stars of
Bethlehem. Little eager feet of the West Wind, run,
Haste, warm fingers of the climbing sun Haste, warm fingers of the climbing sun
Your mother's going forth to meet the shadow-shortening hours,
And her robes are all embroidered with your dear Spring flowers.

Happy Hollow Garden.
(From "Happy Hollow Farm", by
William R. Lighton, Musson Book Company, Toronto, $\$ 1.25$ net.]
Another of the waste corners now
carries our best asparagus bed. Here ran one of the old rail fences, grown up with briars and pokeberry and careless
weed. When we had the row cleaned out it was manured and plowed as deeply as
the plows could be sunk, then trenched the plows could be sunk, then trenched
and manured again and worked over and over. Laura set the young crowns -a quarter of an acre! She wouldn't
have help, for that bed was to be one of the permanent assets of her house
keeping. keeping. That was four years ago. Are you
fond of asparagus?
all
Did you ever have
 stuff, spindling and wilted, with only a little nubbin at one end that is fit
to eat, and you have to make a nuisance to eat, and you have to make a nuisance
of yourself at the table sucking even that
Iitlo little bit of "goody" out. That's no way,
When we have asparagus for dinner it's cut late in the afternoon, so it may go on to cook before the fresh, snappy
crispness has gone out of it. Cutting the crispness has gone out of it. Cutting the
mess is my job The thin, thready
sprouts don't go into the basket; they're sprouts don't go into the basket; they're
left oo the ground. What I'm after is the lusty, vigorous shoot, thick as
your thumb, that's made its six or eight tanding strioht as a soldier and thrust my knife clear down to the crown
in cutting, as the market growers do, but in cutting, as the market growers do, but
cut close to the surface, well above all woody fibre, To the last fraction of an
inch it's brittle and tender as a lettuce heart, and so full of juice that it drips
Now, you take asparagus like that and let it be cooked just to the carefu
turn where it loses its raw taste without turn where it loses its raw taste without
losing its firmness, and then let it come upon the table well drained and dressed
with sweet butter and a dash of pepper and sweet butter and a dash of pepper
and all piping hot-man, man Just one good spring dinner with asparagus aplenty, pays in deligh
for all the work we've done on that bed-and we've had a hundred of those
dinners since the bed was set. And that, mind you, was made out. of an
odd patch of ground that nobody had
ever thought worth working over. Our vineyard, too, stands on one of those
redeemed corners; and last year we had redeemed corners; and last year we had
canteloupe and watermelons on another -melons by the hundred. We're thing else that comes out of the gardenunless it's a platter of plump, sweet,
tender Country tender Country
maybe a ctleman creamy corn-or
cauliflower.
I don't maybe a creamy calliflower. 1 don't
know. New potatoes and sugar peas aren't bad, if they're brought in right fresh from the vines without a chance
to wilt. A dead ripe, meaty tomato to wilt. A dead ripe, meaty tomato
sliced over a buttery, crisp lettuceheart is pretty good, too, especially
when you flatter yourself that you lnoy how to mix a French dressing that's just the least bit better than anybody else's. And did you ever eat a sauce
of tender young beets dressed with aood o tender young beets dressed with good
butter and homemade peach vinegar creamed up together? You ought to try that. Oh- and I'm near to forgetting the cucumbers. Maybe you don't know
how good a cucumber can be There's only one place to get a reai a real cucumber vine in a real garden. Not any old cucumber vine will do; it must be a real one. The hill it
grows in must have heen built grows in must have been built up to
the very pink of perfection in soil: seed that's planted in the hill' must come from the cucumber aristocracy;
and from the day it thrusts it and from the day it thrusts its fisst
tender leaves out of the ground the tender leaves out of the ground the the
plant must have the most unremitting
ane care. It must be nursed, and watered, and forced to its quickest growth, and then be nipped back so that its whole succulence and vigor will go into a chosen
small number of fruits. When those smail number of truits. When those
fruits are ready theyll be good to look at -straight and plump and just of a certain undescribable shade of terider green that isn't seen anywhere outside
a garden. On the last day theyll grow
like soap-bubbles, between morning and evening, if you aren't watchful, they'll reach the line of perfection, leap over it,
and be far on the downward road. If you want one at its best, you'd better out every once in a while and take a peep. When you catch one just right, let me tell you you're a lucky man. dinner that night. It just does beat all what you can you'll only forget the ignorant old notion that to work with the soil is a bitter contest against tremendous odds. If to strike another lick at farming be all through, right now. But, feeling as I do, nothing could make me quit it. In sober truth, the ancient saying that men have been taking so hard, "in the
sweat of thy brow" is a henediction instead of a curse. We found that out in our third
year at Happy Hollow. I think that year at Happy Hollow. I think that was our critical time. In that year all
fear passed. Instead of the to make our farm succeed we were beginning to enjoy the fullness of realization. That couldn't have happened until we had put aside our lurking fear,
which is the most inexcusable form or which is the most inexcusable form of
ignorance.

High Cost of Living

## Editor "The Farmer's Advocate"

Ways and means of reducing the high cost of living and of making the shortage of farm help adequate for the business of producing as much as possible meet
one on every hand.
Much of the former is due to lack
of thought, pride or else sheer laziness of thought, pride or else sheer laziness on the part of -yes, ill say it- the
mothers, wives and daughters of our land.

To give a case in point, a few days ago 1 heard a lady bemoaning the of not being able to afforid discomfort keep her abse to afford enough to know that she buys baker's bead for her family needs. A little cool calculation would cause her to realize that the extra price paid for that item alone (from loaf of bread) an one and one-half pound bread bill keen save enough on the abundantly supplied with extra fuel. By changing the mode of living she could make a living room of her kitchen during
the cold weather. She could also curtin the cold weather. She could also curtail expense by using cheaper cuts of meat Besides, the warmth might ward off serious sickness which not only reduces the earning power, but causes much needlese
anxiety, and none too welcome doctor and druggist bills. So much doctor you might call the negative side of Now, on the positive side,-supposing she had trained her daughters to make their own dresses, (which in these day
of patterns and hints in periodicals and manuals should be within the ability of any young lady) the clothing problem
would in most cases bo red per cent. wost cases be reduced sixty per individuality.
of Then what young womian could
not develon not develop enough taste and skill to fashion a dainty and becoming hat at,
less than half the price of the ."creation" at the milliner's? (Some of us by being careful of odds and ends and keeping in mind hints on renovation and cleaning could do much better than save hall the cost.) It jars on me to hear a glrl
boast of an expensive hat when the man behind the pay cheque goes in overallo and smock while earning it Another item of needed thrift is in
footwear. Let me say here, if the girls


Swoet Peas.
Given a rich soil to grow in, sweet peas form ascreen lise this. Theer may be got in all colors, but perhaps no spectes
under twelve ran barefoot in warm
weather as their brothers do, and as most
of their grandmothers did, the chiropodist might almost go out of practice, and the
contact with mother earth would be
e better tonic than somebody's much a better tonic than somebody's much
advertised nostrums. Many a girl who envies grandma's
velvety skin would velvety skin would fear to follow her
healthy mode of living. She didn't know the various brands of toilet articles, had never seen a manicuring set, she
never sampled ice cream, and as to a box of chocolates to upset her digestion she
would be apt to advise the lad of her choice to set aside the dollar, more or
less, it cost to help towards the home they hoped to make together in the inexpensive but none the less enjoyable.
Mothers wake up! Teach your daughters to place relative values on
"things" and "ideals". Teach them to 60 appreciate the beauties of God's
bandiwork in design and coloring that so long as they are blessed with eyewhich no picture show can give them. Take your children out in the twilight and have them gaze in childish awe at the
wonders of the stars. To some children a star is only a point of light. Others see
the twinkle, note the various colors and the grouping. For a trifling sum a the tiniest flower than they could ever
$\qquad$ cost of living means reducing the joys -
Adorn and ennoble the poor man's
It often saddens me that such a gem
should be left out of the present school readers. Grandparents do you remember "Better than grandeur, better than gold
Than rank or title $a$ hundredfold Is a healthful body,-a mind at ease,
And simple pleasures that always please,

Teach them to the grand children, and they may bless you for the beautiful
thoughts long after the minister procoffin lid. We, may, like Sandy Fraser, see many old days", but a little of the spirit of would go a long way towards settling the problems that confront our nation "after
the war". We women will have our aside our frivolities and prove ourselves
$\qquad$ Mrs. J. M.

Noted Women.
Ber
In $\mathbf{v}$
great part of the world, are the Krupp
women, who own the
Essen which have made the Great War
in Europe possible. Some
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
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$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ father
enough as daughters of Alfred Krupp the "Cannon King." of Afred Krupp
The germ of the manufactory began Friedrich Krupp, purchased a small forge in Essen and began manufacturing cast steel. Upon his death the son Alfred,
then a lad of fourteen, was obliged stop school and look after the little
place, which even by 1845 employed only 122 workmen, and did little more onan pay its way. With the Great Exhibition in London, in 1851, however, came the psychological
moment. A solid flawless ingot of cast steel from Essen, weighing 2 tons, world, and from that time the Krupp Very soon the manufacture of guns
began, and when Alfred Krupp died in 1887 and was succeeded by his son, financier took the reins, and shipyards ship of the firm. By the time that this
Krupp died, Nov. 22nd, 1902, number of men employed was over 40,000 , considerably less than that of to-day, in regard to the disposition of the Krupp


Bertha Krupp von Bohlen-Halbac. works, which will be demanded when the war is over and peace-settlements
are in progress. Surely the war queens
have many problems to face now that the great Hindenburg line is being swayed,
day by day, and the grim menace of the Allies on all fronts tightens.
Hope's Quiet Hour

On The King's Service.
$\qquad$
$\qquad$
$\qquad$ How often with thought less lips we pray? But He Who sits in the heavens shall say,
'Is the work of your hands so fair and fit
 Lift up our eyes and dare to pray, "A servant with this clause makes
drudgery divine. Who sweeps a room as for thy laws, St. Paul was writing to bond-servants The watching husband saw those
slaves-when he gave the splendid mystic letters, "O. H. M. S." shining
counsel of our text. If should work heartily. "from the soul" - in the clothes his wife mended and the
knowing that above their earthly master she washed. He discovered that even ordinary pots and kettles might be
consecrated to God's service, and be
holy as the bowls before the altar. - Zech.
$\qquad$

" "That His ways are not your ways,
That the mire through which you trod
Is not the high, white road of God." We are not called to command, but to "To Whom, whichever way the combat We, folls,
souls."
s. Dora Farncomb.
$\square$ great things for God, as even this world
acknowledged. When that ex-cobbler
died, the universities of many went into mourning, and his one
convert was the first fruit of countless
$\qquad$ If you are quite sure you are doing the
special work appointed for you by the you are certainly undertaking "great
things for God." If He has put home work into your hands-work that is your
plain duty to do whole-heartedly plain duty to do whole-heartedly, and
happily-it would be "desertion" to
slip away from your post in order to fill. your hands and time with public business.
St. John did not think his special, Christ-
given task of caring for a given task of caring for a poor, lonely
woman (tire mother of his Lord) was of
less importance
less importance than the world-wide
mission of the great apostle to the Gentiles,
The King committed His mother to the
tender care of the disciple whom He
especially loved. Has He
you for that most holy task? Remember
His words: "Whosoever shall do the will

$$
\begin{aligned}
& \text { His words: "Whosoever shall do the will } \\
& \text { of My Father which is in heaven, the } \\
& \text { same is My brother, and sister and }
\end{aligned}
$$

$$
\begin{aligned}
& \text { mother." } \\
& \text { A few days ago a friend sent me a } \\
& \text { little story, called "O. H. M. S." It de- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { scribes how a man noticed that in the } \\
& \text { British Government offices all the paper } \\
& \text { used was stamped with those letters. A }
\end{aligned}
$$

$$
\begin{aligned}
& \text { used was stamped with those letters. A } \\
& \text { clerk might be writing a message of } \\
& \text { world-wide importance, or sending a } \\
& \text { trivial notice, but everything was "On }
\end{aligned}
$$

$$
\begin{aligned}
& \text { trivial notice, but everything was "On } \\
& \text { His Majesty's Service." } \\
& \text { That evening his wife was complaining } \\
& \text { about the uselessness of her life. Her }
\end{aligned}
$$

$$
\begin{aligned}
& \text { days were filled with commonplace and } \\
& \text { never-ending work, and she felt that her } \\
& \text { life was not worth living. That night } \\
& \text { the husband had }
\end{aligned}
$$

$$
\begin{aligned}
& \text { the husband had a vivid dream. He } \\
& \text { thought that his wife began her day by } \\
& \text { reading this text: "Whether, therefore. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { all as On His Majesty's Service." } \\
& \text { Then she began to sweep the dining- } \\
& \text { room, and her husband realized that the }
\end{aligned}
$$


broom vas a staf of highest state, for

$\qquad$
$\qquad$
$\qquad$

April 19, 1917

## The Windrow

Five hundred young women are now
Miss Mary Black of Fort William, has been elected to the presidency of the first woman to hold the position

Dean Pakenham of the Faculty of Education, University of Toronto, was elected President of the Ontario Educational Association, at the meeting of Hall, Toronto.
A pneumatic-tired road skate, to be worn on the feet like ordinary rollerskates, has been invented by elieves that
H. Clark of New York. He belien roller-skating along roads will be a common form of locomotion in the early
Various electrical methods are now Various electrical methods are now
used in military hospitals for treating of great value in relieving the pain
of sciatica, reuritis, lumbago and kindred of sciatic
diseases.

Seventeen millions of "Active Service" Testaments and text-books in eightyeight languages have been distributed
among the fighting armies at the front. It has been estimated that $10,000,000$ war horses have been destroyed in the
present war.

Whatever be his shortcomings Czar
Nicholas II did four good things for Nicholas II did four good things for
Russia: (1) he called the Hague ConRussia: (1) he called the Aague Conhe made prohibition of intoxicating liquor a law, (4) he resigned rather than
go over wholly to the Germans, as his go over wholly to the Germans, as his
pro-German advisers would have had him pro-German these things he will probably
do. For be is, however imprisoned for the present in the Alexandrovsky Palace of TsarskoeSeloe. The palace is enclosed by a spiked iron fence about which soldiers appointed the palace are also the ex-Empress

A great variety of foreign plants is now being propagated and tested by culture with a view to their possible culture with a view to their possible
cultivation in the country. Among these are: the Chinese pistache, whose nuts are used for flavoring; the jujube, a
kind of fruit resembling dates; Chinese persimmons and chestnuts, and a sweet Chinese cherry. Among foreign vege-
tables under test are: the chayote from tropical America, which produces a pear-shaped fruit that tastes like summer squash and keeps fresh all winter, and the
udo, a new salad plant from Japan It is hoped that many of the new species will be found available for common cultivation in $\underset{*}{\text { America. }}$
Jack London's work was conspicuous for its distinctive, almost disdainful,
originality, and many years ago he gave originatity, and beginners:
this adice the
istudy the tricks of the writers who Study the tricks of the writers who
have arrived. They have mastered the tools with which you are cutting your
fingers. They are doing things, and their fingers. They are doing things, and heir
work bears the internal evidence of how
it is done. Don't wait for some good Samaritan to tell you, but dig it out for yourself. See that your pores are open
and your digestion is good. That is, and your digestion is good. That is,
I am conident, the most important
rule of all. And don't fling Carlyle in my tecth, please. Keep a notebook. Travel with it, eat with it, sleep with it flutters up into your brain. Cheap
paper is less perishable than grey matter and lead pencil, markings endure longer than memory. of Life and Sincerity; but at the beginning and the end, before all and above allWork. 'Spell' it in capital letters, WORK. Work all the time. Find out about this and the spirit that glimmers up through and the spirit that glimmers up through
force and matter, from the maggot to God-head." -The Australasian.
Miss Jeannette Rankin, member of Miss Jeannette Rankin, member of
Congress from Montana, voted as a
woman, she may be honored for that Hesitating long, permitting her name she answered at last, and in a voice my country, but I cannot vote for war; Rankin placed inference is plain-Miss memorial instinct, the eternal grievance of women against war. Hers was the decision of emotion, of sex. The pathos of Hecuba, of Andromache, of Vassandra, gainst war's cruelty to women, in "The Euripides wrote, four centuries When Christ, the opposition of before war, the deep and bitter consciousness of its terror and its outrage as it affected
them, was already a theme of literature Miss Rankin's vote and her emotion prove that the motive is still strong. f the old as the world-nor do the men their emotional ar women the less for : The incident which all must respect, of a new proof that the participation
women in public affairs may if it is to be deemed an advantage, be one which is purchased at the price of less deliberation, less judgment, less patriotism in the settlement of our public affairs, and more emotion, more sighs,

Only four years ago Georges Lvoff, the Premier of the new Russian Government, was told by the Czar that he could not be Mayor of Moscow because he was too liberal and democratic in his be governed . Four years were not very long for Lvoff to have to wait before being able to tell the Czar that he could no longer be ezar because he was not liberal and democratic

Professor Miliukoff, the new Foreign Siberia years ago for his liberalism as a member of the Faculty of the University of Moscow. Permission to return made him no more cautious, and he was banished
from the country altogether from the country altogether. Then
he came to the United States, and for some time was a professor at the University of Chicago. When he was again allowed to return from exile he became the editor of Reich, one of the most liberal journals in Russia.

The Ingle Nook.
(Rules for correspondence in this and other
D.partments: (1) Kindly
write on on on paper only. (2) Always send name and add ress
whth communications. If pen ame is aloso given,
the real name will not be published al enclosing a letter to be forwarded to anyone plice it in stamped envelope readd to be sent on.
(4) Allow one month in this Department for
answers to questions to appens.
"Hasten to laugh-to avoid tears".The clever saying dropped into the pages of Paris Figaro, and how true it often is. We smile- that others may not see,- sometimes because we are too proud to wear our hearts on our sleeves, sometimes because we do not wish to inflict our blue moods or our troubles on others. Tears lie all about, and so we hasten to laugh,
It is perhaps well to remember that most other folk have burdens enough
of their own, and that it would be rather unfair of us to try to superimpose ours as well. It is well to remember, too, that might not thank us for our pains, - to the great majority we are most welcome when we are least dependent and most entertaining. But with the same breath it must be said that when one has a friend who is utterly and wholly sympa-
thetic, as well when one brings tears às smiles, one must hold that one above all the closest and dearest.
The absolutely true friend is the one who is your friend when you sag as well as when you shine,-the one who feels the real you always, no matter is the one who loves you when you are 'off color" just as well as when you are at your best. One cannot always look pretty and vivacious. Off days must
come. There are physicial and mental come. There are physicial and mental
upsets at times that take the brightness from the cheeks, and the sparkle from the eyes, and the lilt from the voice, and the spring from the step. Believe mc the friend who is affected by these
things and who loses interest and things and who loses interest and tender-
ness because of them is not a friend of the truest metal, nor can be until he or she has learned to place friendship on a different basis.
Unquestionably it sometimes relieves of telling it seems a safety valve that
keeps one from going to pies
are filled to the going to pieces. You a worry or loneliness; your hair needs washing and doesn't look as attractive as usual; there are rings about your eyes, and you have been too listless or too hurried to put on a pretty dress and
collar:-in short you are looking all the way "taggy" and know it. In comes the real friend who cares not in the least for these things; you tell your little worry, perhaps weep your little
weep, if you are of the weeping kind and you feel ever so much better so does the friend, because he or she has the consciousness of being of rea service to you, of proving the true friend
in time of need. -Yes, it is well to remember that fo one thousand times it is wise to "hasten oo laugh-to avoid tears."-But if you can find the friend who loves you in friend as your own life, feel that ne tha votion on your part, no sacrifice, no giving of self can be too great for so wonderful it is And, when all this has been said is more than well to remember also "Do such things must work both ways,
"Do others as you would that they should do unto you." So is friendship made perfect.

But why have I spoken of tears this bright spring morning? It must have Figaro because of that old passage from Figaro. Springtide is no time to talk ending, and everywhere else in spring ime there is the urge upward. The ap is mounting in the trees; the earth vapors are ascending towards the blue
sky; the tree-tops are swelling with sky; the tree-tops are swelling with
buds soon to burst forth in dancing leaves the grass-shoots are going straight up wards in an infinity of little aspiring, heaven-indicating points; in the very waters of all the brooks there is a new gurgle of laughter.
What a joyful place all this old earth might be if there were no war.-But be no more war. To-day, it is true, there are aching hearts everywhere because of it, some so numbed by bereavement that no heart is left for the gladness of springing flowers and the laughter of the
brooks. For these I have no message of my own, but I want to pass on a word from a very interesting sermon I heard last night. The speaker. while comment last night. The speaker, while comment-


Red Cross Work in Paris


April 19, 1917
quite sufficient. The rugs are prettiest
when of solid color,-pink, blue, green when of solid color,-pink, blue, green
or mauve,-with white warp. The fur nishings should be light, and airy rather or voile curtains are best. Supply the room with plenty of good towels, soap and everything necessary for the toilet, keep a can of cleaning powder in the bottom place a work-basket and mending maplerials in a convenient place, but let the pictures be few and choice, and be very wary about bric-a-brac,-the bed-room should never be made a storehouse for
junk not wanted in the restoof the house. Better burn the stuff at once and be done

## TheBeaverCircle

It's Hard to Wait For Summer.
by J. walter briggs in pict. rev. I've waited all the long and weary Winter, And wished the snow and ice would go I've watched each tree and bush upon And waited for the birds to come and
It's mighty hard to have to watch the
ile up across the road and on the hill; It's mighty hard to see the ice afreezing
'Till all the lakes and brooks are lying still.

There ain't much one can do out here in 'Cept coasting down the hill and skating I wouldn't give a cent for all the sleighwish old Summer'd hurry up and come I want to hear the birds sing in the pasture, and know the brooks are rushing down I want to see the trees all white with $l$ want to go and fish down by the mill.
$\qquad$ Where trout so big and shylike always The pool is deep and overhung with You can't get near it only on one side. It's hard, I know, but boys should not I'll get my fishing-tackle out and ready or summer when she comes along again,

## Little Bits of Fun.

 Mother--Henry, does your ear ache?Henry.-No, mother. Why have you put cotton wool in it? keep on telling me that I' learn so little
because what goes in at one ear comes because what goes in at one ear comes
out of the other, so I've plugged the other out of the other, so I've plugged the other

A certain father who is fond of putting his bays through natural history exmental agility. He recently asked them to tell him, 'What animal is satisfied "'The least h!", one of them shouted confidently. "It eats nothing but holes."
'One Touch of Nature.'
by fraicis la flesche in the southern
Hunting black bear was a sport much loved by the Osage Indians in in the much
before the coming of the white settlers into the country west of the Mississippi.
It afforided them not only the thrill and excitement of the chase, of which every
hunter is fond but it also added largely to the animal food supply upon which the
Indians depended for their living. Indians depended for their living.
Many strange and interesting tales are but of those that I have heard not one is
so human as the following, which was an actual occurrence:
Une day a man, noted for his skill in hunting, went out in search of black bear
that he mightadd to home. Being familiar with the haunts

THE FARMER'S ADVOCATE

## Keep the Horses Working


et your car be the motive power for hauling your produce to market or delivering other products. All you require is a Fox Trailer. It attaches to the rear your car: does not injure it in any way, and carries a load of 1,800 pounds.

The Fox Trailer draws steadily without bumping. t has an all-steel frame construction, solid rubber res and automobile wheels.

Prices F.O.B., Windsor, Ont.
Model F. 6, shown above, with 6 ft . box . . $\$ 85$
Model F. 8, with 8 ft . rack body

## $\$ 95$

e the Fox Trailer models at your local automobile解

Fox Brothers \& Co., Limited windsor, ontario

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Milled especially for particular home cooks - those who want

"More Bread and Better Bread"
$\square$
 unprotected believes in, insurance - intends to insure-but procrastinates ays, forgetting that if only one could count The Great-West Life Policies are issued on terms so here can be no sound reason for anyone to delay taking out a Policy. Plang ery neertand circomstance, and premiums. Plans of the insured. THE GREAT-WEST LIFE ASSURANCE COMPANT

FOR SALE: 12 H.-P. Casoline For Sale ${ }^{- \text {Alimited quantity of Irieh } \text { ble and Rapid Trandt }}$ BUCKEYE TRACTION DITCHER Rebuilt machin

Elberts, Ont. $\mid$ F. D. LANCASTER.

THE FARMER'S ADVOCATE.

THIS WASHER MUST PAY FOR ITSELF

## 




mod dit













 huin ton il

 Son


 - boop meat ine today and dete mond dout mabee clothe in six minutea: M.N. Moribit. Manages. 1000 Washer Company


Cockshutt Corn Planter


Cockshutt Plow Co., Ltd., Brantford
Please mention Farmer's Advocate
we have a large stock. 1 will close now
hoping the w. p. b. has had its meal.
hoping the w. p. b. has had its meal.
R. R. 1, Kirkton, Ont. Clara Neil.

- If coal cost $\$ 15$ a ton and wood $\$ 8$
a co d and I buy 11 tons what will the a co d and I buy 11 tons what will they
both come to? Ans.-(Wood and coal) $\xrightarrow{\text { ashes. }}$ Fonthill, Ont. $\qquad$
$\qquad$
Dear Puck and Beavers.- This is my see it in print. I go to school every dayb
and I am in the senior fourth and
expect to try entrat expect to try entrance at midsummer
Our school just started to take the Farmer's Advocate at the beginning of the year and I think it is a lovely paper.
Our teacher. Miss Hueston, has been at our school four years and proves a great
satisfaction satisfaction. In the winter time we have
lots of fun. as our school is lots and the boys get a board and go down getting long I will close with a riddle

the seas. Why is candy like a horse? Ans.-Because the more you lick
the faster it goes. chink,
drink? drink?
Ans.-A chain

Madge Hannahson, (age 11)

R. R. No. 3, Thorndale, Ont.

Dear Puck and Beavers.-This is my first attempt to write to your charming
Circle. I live on a farm not far from two
villages. Appin and Clencoe My brother and I drive every morning in the winter, if it isn't twenty or so below
zero. I have four brothers and no sisters, England at present. I am in the middle, Well I must close now because my letter sleepy, (I was out till eleven last night.)
I I remain yours, hoping to be a Beaver Elizabeth MacArthur, (age 13).
R. R. No. 4 , Appin P.S.- Will some one write to me
please. Discuss any subject which pleases Dear Puck and Beavers.-I wrote to you some time ago but my letter was not
in print so I thought I would try my luck
again. I am about half a mile from school and I go every day. Our teacher's name
is Miss Tribble. We all like her fine. is Miss Tribble. We all like her fine. Georgian Bay is, and at the south of it is
Nottawasaga Bay. I am going to tell
you about Wasaga Beach. It is a great summer resort. I was up last summer.
One morning we got up early, prepared a lunch and about ten o'clock we were
ready to start. It was a very pleasant
trip through the little towns and shady roads. We arrived in Stayner about
twelve and stopped to see some friends,
then we started off again and soon arrived at the beach. The gulls were
flying about, people were in the water,
and many others having lunch so we
thought we would, too thought we would, too.
After we finished our lunch we went
to Nottawasaga River and watched the people boating. Then we went along the
paths seeing the cottages and people
resting here and there. After several hours we went to the bay and watched
the people bathing. Then we went to get
the car, and started for ho was in the act of turning around, his
car backed into the water, the hind
wheels sank at once. Several cars were hitchec on to pull it out, but when we
left it was still in. It was a lovely trip
home in the evening after such a delightI will close as my letter is getting long,
wishing the Ciicle every success and
$\qquad$
Dear Puck and Beavers.-I have just
hinished reading the Beavers' letters,
o thought I would write
$\qquad$
party. There were twelve litele girls out of
my class at school. I was cleven years old.
They left me very pretty presents, and
we all enjoyed ourselves very much.
Hiill close now with a lew riddles and
wishing the Circle every sucess
a
p
c
is
I
t pets I have like her very much. For calf called Lily. But sometimes and a
them are: "Alice in Wooks. Some oo
"Black Beauty", Beautiful Joe", and "Th"
Black Rocl""
Hoping this will escape the w. p. b
and wishing the Beavers every suces
Our Junior Beavers
Captain Kit's Cruises. When Captain Kit is telling yarns About the "Crafty Christopher And all its cruises jolly,

Of chasing whales
sunny southern seas
Where dolphins play
Mid flying spray,
And waves dance in the breeze To sail at once is their desire! And Ted will be the mate, And Polly'll be the lookout.
Who sits aloft in But when he tells of howling wind
To Tim and Ted and Polly And all the "Crafty Christoper's"

Of inky clouds,
And icy shrouds,
And waves that sweep the deck;
And failing hopes,
And rocks that wait to wreck. Then all their little cheeks grow pale
And they decide that, when they sail And Ted will be the cook, And Polly'll we be the cook,
Tucked in some sheltered nook
Junior Beavers' Letter Box. Dear Puck and Beavers. - This is my
first letter to your Circle. I hope to see my letter in print. I have several pets, Like a lot of the Beavers I am very "Nound of reading. "My favorite books are We have a new teacher. Her name is class at school. My letter is getting
rather long. I would like some of the rather long. I would like some of the
Beavers to correspond, about my own

## R. R. No. 4, Malton, Ontario.

Dear Puck and Beavers.-This is first letter to your Circle. May I enter
too? I have always been a silent reader and enjoy reading your letters ver We live between the church and the schoo
Five minutes walking would to either. Our teacher's name is you
Archibald. My brother and I are taking
care of I do the dusting; and sweeping. We go
home for
 please write to of the Beavers woul
R. R. No. 4, Olive Bumstead. Dear Puck and Beavers.-I have bee a silent reader of your page for five
years, and have just found courage I live on a farm and go to schoot Lucknow, Ont. Meavers every success.

MUSIC
TACGHT REE
解和 Beginners or advanced players. One lesson weekly.
Illustrations make everything plain. Only expense
 about 2 c. per day to cover cost of postage and
music used. Write for Free booklet which explainn
everything in full
American schnol uli

April 19, 1917
year we had a parade and took first prize. Well as my letter is getting long
will close with riddles: What is the lightest city in the world? Ans.-Cork.
2. What is it that turns yet never moves? Ans.-Milk
R. R. No. 4 , Thornda (age 11 )

Dear Puck and Beavers.-This is my My father has taken the Farmer's Advocate for a number of years and he says he would rather do without any I have a dog whose name is Watch; he will draw me on the sleigh. We had a school fair at Appin and I showed a bred-to-lay Barred Rock and I got a prize. I couldn't get it broken in time. miller wear a white hat? Ans.-To keep his head warm. Master Charles G. Boyd. R. R. No. No. 1, Walkers, Ont.

Honor Roll: Clara Death, Myra Slow. Irwin, Lera Munroe, Mavor Dorman, Annie Blair, George Mustard, Marjorie Richardion, John St wart, Ethel McMullin.

## Current Events.

Hon. A. J. Balfour is to visit Washington to confer with President Wilson and
his Government in regard to the war.

During the time from March 30 to April 10 two British hospital ships were sunk in the English Channel, the "Salta" by the "Gloucester Castle", torpedoed, from which all the wounded were saved. by German torpedo boats.

Col. Roosevelt has offered to raise an army division of 22,000 men as part
of an expeditionary force to be sent at once to Europe,

Between April 12th and 14th the French brought down, along the Oise, 25 German
airplanes.

Bolivia, owing to German submarine attacks on neutral vessels, has severed
diplomatic relations with Germany. diplomatic relations with Germany.
Denmark also is incensed at the submarine policy.

Reports increase of a mutinous spirit against their officers among German
prisoners and wounded taken at the front.

The "Battle of Arras", which has raged for the past fortnight, has resulted in the greatest victory yet gained by the
Allies. At its opening by Gen. Haig's forces, the Canadians, under leadership of Maj. Gen. Sir J. Byng, were given
the post of honor, and on April 9th, Easter Monday, they covered themselves with glory by capturing the important
Vimy Ridge, taking 4,010 prisoners and several guns out of a total of 15,000 prisoners and 166 guns taken during three days' fighting over an extended
line. The line. The bombardment in this terrible terrific the world has ever seen. Earlier in the war Vimy Ridge cost the French 100,000 men. The British troops have now crossed the Hindenburg Line, ${ }^{7}$
miles southeast forces are closing on Cambrai, while St. Quentin is the immediate objective Lens has fallen to the British, but that its chief buildings and factories were
destroyed by the Germans before evacu-

[^0]THE FARMER'S ADVOCATE


## Smiles

Esthetic.-Two fair munition-workers
 "Got a chap yet, Liz?" inquired one "Yes; and he's a regular toff. He's manager at
"You don't say so! Why, they tell me
he's real refined." " Rather! Wl "Rather! Why, he took me to a
restaurant Yast week, and when we had coffee he poured it into a a aucer to cool it, but he didn't blow it like common people
would-he fanned it with his hat!"-Tit-Bits.

Knew His Business.-Mrs. Smith hired a Chinese servant, and tried to teach him how to receive calling-cards. She let her self out the front door, and when the new
servant answered her ring she gave him her card.
The next day two ladies came to visit cards, the alert Chinaman hastily com pared them with Mrs. Smith's card, and emarke
-Los Angeles Times.

The Usual Program.- - Punch once had a sentering the cottage of a poor woman. The visitor is evidently new to the business and somewhat embarrassed. The cottager says to her: "Im quite well, thank yer,
miss: hut I ain't seed you ato miss; but I I ain't seed you afore. Y're
fresh at it, ain't yer, mis??"
"I h Johnson." The woman dusts a chair, "Well," she
says, "yer sits down here, an' yer reads sas, yer sits down here, an' yer read,
me a short Pall, yer gives me a shillin'
and then yer goes!'一 Punch.


 Shows.
prices.
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Barred Plymouth Rocks Eggs from high-class bred-to-lay strain
$\$ 2.00$ for 15 Stock for sale.
A. P. MACVANNEL

## 







Special Sale Enas. Steam and portable


## The Ambitious Guest.

 BY NAThaNiEL HAWTHorNEOne September night a family had
gathered round their hearth and piled it
high with the drift-waod of mountain gathered round their hearth and pied it
high with the drift-wood of mountain
streams, the dry cones of the pine and the splintered ruins of great trees that had come crashing down the precipice.
Up the chimney roared the fire, and brightened the room wit ans moad blaze.
The faces of the father and mother had a sober gladnesss the children laughed; the
eldest daughter was the image of Happi eldest daughter was the image of Happi-
ness at seventeen; ; and the aged grandmother, who sat knitting in the warmest
place, was the image of Happiness grown
old, ease," in the bleakest spot of all New England. This family was situated in
the Notch of the White Hills, where th wind was sharp throughout the year, and pitilessly cold in the winter-giving their
cottage all its fresh inclemency, before it descended on the valley of the Saco.
They dwelt in a cold spot and a dangerous one; for a mountain towered above their heads, so steep that the stones would
often rumble down its sides, and startle The daughter had just uttered some simple jest, that filled them all with mirth,
when the wind came through the Notch, and seemed to pause before their cot tage-
rattling and lamentation, before it passed into the valley. For a moment it saddened them,
though there was nothing unusual in the tones. But the family were glad again,
when they perceived that the latch was lifted by some traveller, whose footsteps had been unteard amid the dreary blast
which heralded his approach, and wailed away from the door. these people held daily conch a solitude, world. The romantic pass of the Notch
is a great artery, through which the life. blood of internal commerce is continually
throbbing, between Maine on one side, and the Green Mountains and the shores stage-coach always drew up before the
door of the cottage. The wayfarer, with
no companit to exchangee a word, that, the sense of
lonelinessmight not Coneliness might not utterly overcome him,
ere he ould pass through the cleft of the
mountain, or reach the first house in the valley. And here the teamster, on his way
to Portland market, would put un for the night: and, if a bachelor might sit an
hour beyond the usual bed-time, and steal a kiss from the mountain maid at pteal
ing. It was one of erns where the of those primitive tavlood and lodging, but meets with a homely
kindness, beyond all price. When the footsteps were heard, therefore, between the outer door and the inner one, the
whole family rose up, grandmother children, and all, as if about to welcome
some one who belonged to them, and
wind The door was opened by a young man expression, almost despondency, of on
wire who travels a wild and bleak, road ot at
nightall and alone, but soon brightened up when he saw the kindly warmth of his
recention He fet his reception. He felt his heart spring for-
ward to meet them all, from the old woman who wiped a chair with her apron,
to the little child that held out its arms to him. One glance and smile placed the
stranger on a footing of innocent familistranger on a footing of innocent famili-
arity with the eldest daughter.
"Ah, this fire is the right thing!"' cried he, "esprecially when there thing!" cried
pleasant circle round it. I Im such a
Itmed numbed; for the Notch is just quike be-
pipe of a great pai of bellows; it has
hlown a terrible blast in in my face, all the "ay from Bartlett." Then you are going toward Vermont?"
said the master of the house, as he helpol

 This. it is no matter; for, when I saw
this good fire, and all your cheerful face,
I fet as is yound hat kindect it on purpose
for me, and were waitinic my arrivel for me, and were waititn t my purpose
So I shall
mysclf at homene." annong you, and make

precipice. The family held their bposite because they knew the sound and thei
guest held his "The old mountain has thrown a stone at "ss, for fear we should forget him, a stone
the land lord sometimes nods his head himself. "He to come down; but we are old neighboren and agree together pretty well, upon the
whole. Besides whoule. Besides, we have a sure place of
refuge hard by, if he should the comin good earnest." have finished his supper of bear's meat and, by his natural felicity of manner, to hess with the whole family so of kind talked as freely together as if he belot they to their mountain brood. He was of a proud, yet gentle spirit-haughty and re
served ever ready to stoop hish head to the lowly son at door, and be like a brother or household of the Notch he found warmth and simplicity of feeling. the prevading intelligence of New England, and a poetry ered, when they little thouct lad gaththe mountain peaks and chasms, and at dangerous abode He had travelled and and alone; his whole life, indeed, had been a solitary path; for, with the lofty caution
of his nature, he had kept hims from tho ee who might otherwise have been his companions. The family, too,
though so kind and hospitable, had that consclousness of unity among themselves, and separation from the wo Id at large, still keep a holy place where no stranger may intrude. But this evening a pro-
phetic sympathy impelled the refined and ducated youth to pour out his heart be-fore-the simple moun aincers, and consame free confidence. And thus it should have been. Is not the kindred of a com-
mon fate a closer tie than that of birth? ter was a high and abstracted ambitionHe could have borne to live an undis. tinguished life, but not to be forgotten transformed to hope; and hope, long obscurely as he journeyed now, a glory
was to not, perhaps, while he was treading it he gloom of what whould gaze back into hey would trace the brightness of his fadsteps, brightening as mianeer glories passed from his cradle to his tomb, with none to recognize him.
"As yet," cried the stranger, his cheek glowing and his eye flashing with enWere I to vanish I have done nothing. morrow, none would know so much of me at nou; that a nameless youth came up, at nightfall, from the valley of the Saco, and opened his heart to you in the evensunrise, and was seen no more. Notch soul would ask - 'Who was he?' - Whither till I have achieved my destiny. Then let Death come! I shall have built my There was a continual flow of natural reverie, which enabled the family to un derstand this young man's sentiments,
though so foreign from their own. With quick sensibility of the ludicrous, he
blushed at the ardor into which he had eldest "You laugh at me," said he, taking the eldest daughter's hand, and laugh'ng him self. "You think my a mbition as nonsen-
sical as if I were to freeze tuvsolf to death on the top of Mount Washington, only country round about. And truly, that statue!" a noble pedestal for a man's It is better to sit here by this fire,
answered the girl, blushing, "and be com.
fortable and contented, though nobody thinks about us. of muspose," said her father, after a fit what the young man says and and my mind had been turned that way, I might have how this talk has set my head running on things that are pretty certain never to
come to pass."
"P ne to pass."

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uch action we can accomplish what is hard or Impossible to obtain by individual effirt. By
poling our interests, concerted action is promoted Those who orderece their cement before March 29
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at dow twenty cents per barrel higher for MAY
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materer
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estimate
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Fruit Plants, Flower Plants

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age, and a verse of a hymn, and something
to let people know that I lived an honest

"We're in a strange way to-night,"
said the wife, with tears in her eves
"They say it's a sign of something when
folles' wind



" "Don't talk so grandmer nervous. girl, shuddering. ${ }^{\text {a }}$. with singular earnestness, "yet smiling
strangely at her own folly, "I want one of you, my children-when your mother
is drest, and in the coffin-1 want one of you to hold a looking-glass over my glimpse at myself, and see whether all's right? "Old and young, we dream of graves and monuments," murmured the stranger when the ship is sinking, and they, dun-
known and undistinguished, are to be buried together in the
For a moment the old woman's ghastly hearers, that a sound, abroad in the night, rising like the roar of a blast, had grown broad, deep and terrible before the
fated group were conscious of it. The house, and all within it, trembled; the founda-
tions of the earth seemed to be shaken as if this awful sound were the peal of the last trump. Young and old exchanged one wild glance, and remained an instant pawer to move. Then the same shriek burst simultaneously from all their lips
The simplest words must intimate, but not portray, the unuttcrabe horror of the their cottage and sought refuge in what they deemed a safer spot-where, in con had quitted their security, and fled right came the whole side of the mountain in cataract of ruin. Just before it reached
the house the stream broke into two
branches shivering but overwhelming the whole vicinity everything in its dreadful course. Long
ere the thunder of that great Slide had ceased to roar among the mountains, the
mortal agony had been endured, and th victims were at peace. Their bodies were The next morning the light smoke was seen stealing from the cottage chimney up the mountain-side. Within, the fire was yet smouldering on the hearth and the
chairs in a circle around it as if the in
habitants had but gone forth to view the

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they are exactly as finest tweeds and $\$$ serges sold at $\$ 20$. But the price is only $\$ 2.60$, and for a well-made, smart, stylis Gents' Suit, delivered by post, with no
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markable cloths, together with a large markable cloths, together with a large
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mind to do your part by getting two or more NEW subscrimind to do your part by getting two or more NEW subscri-
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give me credit for 6 months on my own subscription for for each new sube
scriber secured. scriber secured.
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$\qquad$
devastation of the Slide and would shortly return to thank heaven for their mima-
culous escape. All had left separate culous escape. Al had hett separate
tokens, yy which those who had known
the family were made to shed a tear for the family were made to shed a tear for
each. Who has not heard their name? each. Who has not heard their name?
The story has been told far and wide, and will forever be a legend fatese
mountains There were circumstances which led
some to suppose that a stranger had been some to suppose that a stranger had been
received into the cottage on this awful received into the cottage on this awful
night, and had shared the catastrophe of all its inmates. Others denied that there
were sufficient grounds for such a conjecture. Woe for the high-souled youth,
with his dream of Earthly Immortality! with his dream of Earthly Immortality!
his name and person utterly unknown: his name and person utterly unknown;
his history, his way of life, his plans-a his history, his way of solved; his death
mystery never to be deat
site and his existence equally a doubt! Whose
was the agony of that death-moment?


## The Dollar Chain

A fund maintained by readers of "The
Farmer's Advocate and Home MagaFarmer's Advocate and Home Maga-
zine" for the soldiers and all who are zine for the soldiers and all who are
suffering because of the war. Contributions from April 6th to April ${ }^{\text {13th: }}$ Miss Standeaven's Class Loyal Workers, St. James Anglican Church, St.
Mary's, Ont., $\$ 2 ;$ J. Mitchell, Nashville, Ont., s10., Milatary Hospital: Miss
For Byron Militar Standeaven's Class, St. Mary's, \$5; A Friend, Brussels, Ont., $\$ 5$. .
Amount previously
edged
Total to April 13th. $\qquad$
84,311.75

| $\$ 4333.75$ |
| :--- | $\$ 269.50$.

Kindly address contributions
$4,333.75$
losp.tal,
Farmer's Advocate and Hons to "T ${ }^{2}{ }^{2} 1$
The following interesting letter from
Dr. Reason, who is in charge of Shorncliffe Military Hospital, has been kindly given us for publication by Mrs. A. T.
Edwards, one of those in charge of relief work in this city

## Military Hospital, Shornclifs horncliffe, Kent, February 22nd, 1917.

Dear Mrs. Edwards:
Frequently when reading the home papers 1 see your name mentioned in connection with the Red Cross work,
and I thought possibly you would like few words from me to let you know how much we all appreciate over here the good work done by that excellent organiza-
tion.
There is scarcely a soldier in any part
The of the great expeditionary forces which the
Empire has called together who is no the better for the thoughtfulness of the various Red Cross organizations. The
hospital of which I have charge is the hospital of which I have charge is the
central one for the whole of Kent, and under me I have many auxiliaries which almost entirely with sick and wounded from the front. We do not deal with
Canadians alone, but with the soldiers Canadians alone, but with the soldiers
from all parts of the Fmpine romple, to-day I sent four patients to of our auxiliary hospitals. One was a
Canadian on whom I had One appendicitis; one a young Australian who had contracted pneumonia in the trenches and is now battling his way back to
health; one a South African who had been wounded by shrapnel in the Adam's Apple and other parts of the body. I
asked him where the piece of shrapnel had come out, referring to the wound in the throat. He laughed and said that
he lad coughed it up and produced the missile. The fourth was an Imperial
mit Soldier who had also come to grief over in France, and was suffering from shell
shock. A more cheerf shock. A more cheerful lot than the
patients in the various wards it would be patients in the various wards it would be
hard to find anywhere, and one hears practically no grumbling, which hears in
great contrast to a ward in peace time The wounded men are always so apprecia-
tive of what is done for them, and we hive of what is done for them, and we
have had the pleasure of seeing many
whose lives were hanging thy stored to health, and in many cases the have been able to return to France a second, and some even a third time.
All the patients in the hospital benefit they are Red Caken into on the Canadian Red Cross Welcome Hut. There they are
given refreshments without any expense
they are again the recipients of gilts of all Cigarettes, tobacco, writing paper, games. cards, etc., are all at their disposal. Il anything is needed we have only to apply to the Canadian Red Cross and our wants are soon supplied. Does the Padre, re-
quire hymn books for his Studa quire hymn books for his Sunday services,
I have only to make the need known the Red Cross supply it. In another case a young soldier who is having a long spell of sickness wishes some drawing
materials and the Red Cros materials and the Red Cross very kindly
supply them. Even to-day I have re supply them. Even to-day I have re-
ceived a letter from them informing that they are about to erect a large recrea. tion room for the benefit of the patients. This will fill a long-felt want, as we have been greatly handicapped by the lack
of it.
A visit to any of our auxiliary hospitals would be of interest to anyone. Many a
case which in a large institution would not do well has suitably recovered in one of our smaller hospitals. Nothing is too
much trouble, much trouble, providing the patients
benefit thereby, and many a Canadian lad owes his life to the great care that has been lavished upon them by the people in charge of our smaller hospitals. Evpen to-day I have received two letters thanking me for having sent them to such-a
hospital. The English people seem able to do enough for our Canadian soldiers, and much of our excellent results is attributable to the good work done by our English associates. A few

## iowing request

Wison-We have so many with Canadians. Your men are a long way from home and we would like to do anything, we can to make things happy for them.
Neediess to say their request was complied with. The other day in one of our
auxiliary hospitals two of the patients, a young Canadian and a young Australian celebrated their 19th ( $($ ) $)$ birthday. The Commandant of the hospital had very of such an occasion, and when I mentioned to the Canadian Red Cross what was taking place they very kindly sent a generous contribution of apples, maple
stc. maple syrup, games, cigarelt the good work of your excellent organiza. tion it would take an enormous letter to even touch upon the work being done.
Even that done in this hospital and the auxiliaries would fill many a page, and if you could only visit this hospital and had I the opportunity to show your our books in which 1 have kept a record of the supplies received from the Red Cross,
and also the record as to their distribu tion, those of you who have done so much would, I think, feel amply repaid for all your efforts, not the least of which was the thoughtful kindness which did so much to make Christmas a brighter and happier day for those whom the Ger in our wards. Trusting that I have not wearied you
with the length of this letter. With with the length of this letter. Wards.
kindest regards to you and Mr. Edwards

Yours sincerely, Reason.
Southern Ontario
Consignment Sales Co.
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Tillsonburg, MAY, 8th, 1917
R. J. Kelly, Sec Culloden, Ont.

Attention is directed to H. H. Howell advertisem
this, issue.
If the labor problem is preventing you from tiling your land correspond with built Buckeye traction ditcher in this issue. He may help you to solve the Lieut.-Col. E. W. Leonard, London,

April 19, 1917


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Questions and Answers.

dollars) per year, and no mention of
honuc. Onc broother gets home, furniture,
all stock and land, which is alout head stork and 450 (four hundred and
fitity acres land. One married daughte
gets five hundred dollars. Brother rets
 rest of fanily get four thousand five
lundred There are ten thousand in
bank. Is such a will lawful?
Ans.- 1 . Yes, if legal in other re-
spects. s. Perlans not; but she need not ac-
cept its provisions. She can elect to take her dower instead-that is, one-third for
ife of the lands. 3. In view of all that is stated and
uiggested in and by your letter, we should uggestec in and the y your retter, we should
think that there are ample grounds for contesting it. We cannot say definitely
ithout ful information of the facts and cithout full information of the facts and regarded as legal and valid or ortherwise,
ddepends upon questions of whether the testator was mentally competent to make a will, whet her he was subjected to undue
influence, or not, whether it was properly witnessed and various other considera-
ions, all of which should be carefully tions, all or a olicictor after a a personal
weighed by
consultation on the part of those interested n having the will set aside.

Gossip.
L.auric Bros., of Agincourt, who have a
heavy rootuciny herd of Ayshires, macrially strengthened their herd by stock
nurchased at the Southern Counties Myshire Breeders' Clubl sale, recently
held at Woolstock. Lady May 2nd and eld at Woolstock. Lady May 2nd and
cer heifer calf were two animals purhascd. This young " cow is a grand
caughter of the bull "Scottie," the noted rollucer of heavy milking heifers. In
er two-ycar-old form Lady May 2nd alificd in the R. O. P. with over 8,000 Sowing every indication of being a heavy
producer. Amelia 2nd, a stable mate of o the herl. Her milk record runs over
He cuple $10,000-1 \mathrm{t}$. mark for a year. f growthy, high quality heifers also fell

Many Satisfied Customers
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$\qquad$ ld and new customes, stit stirlave
15 good young bulls, mostly fit for ser
ice, rells and roans. Cattle never were scarce and dear, but I I am selling the inrics my only advertisement and it roln customers whom I have never seen
 now you would object to telling all, and
do not like to stop in the middle of a


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vided with profsons pro．
vear－round empt ible all．
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Questions and Answers． Miscellaneous．

Wanting Telephone Service． Is there a clause in the Charter of
Rural Telephone Companies which en Rural Telephone Companies which en
ables an applicant for a telephone to
 application more than a year ago and
was promised it in three or four weeks， was promised it in three or four weeks，
and now I $\begin{aligned} & \text { am told they cannot promise }\end{aligned}$
in ind it in inide of three months．＂Hoper，＂ Ans．－We are not aware of any such
What Burning Stumps，etc，for put out，on burn onf tye yor mayd ire ber
brush so that should it mes to bo uncer brush so that should it get to be uncon
trollable and spread，the person setting trollable and spread the person sett ing
the fire wont be liable for damages？ Ontario．
Ans．－The law makes no such ．Hean
 gest．But we would refer you to The
Forest fires Prevention Act and The Fire
Cuaratina taxidans Act（Revised Statutes of on
tario， 1914, chapters 241 and 242 ） for in formation upon the subject generally． Drainage Problems．
Drainage Problems．
Whis an ang aner has made his award
ona drain whene can anyon，wore 5 parties are concerned，
hefore them bring on the engineer before he has first called a meeting of
those interested tiose interested，when it requires clean－
ing out．Can the engineer compel those to pay for his services who have have not been the drain runs owner of the farm that clay，thrown out of the ditch，be spread Ans．－The bank．
engineer without first notifying on the parties interested in the ditch has slightly entitled to pay the service fees of the engineer．Section 35，subsection 1，of is as follows：＂If any owner whose duty neglects to maintain the same ditch manner provided by the award，any of the owners，parties to the award，whose land notify the owner making default to have his portion put in repair within thirty
days from the receipt of such notice，and if the repairs are not made and completed
within thirs may notify the engineer in writing to inspect the portion complained of，＂
2．The clay removed from the must not be left in such a condition as to afford an obstruction，but we doubt Compel those digging the ditch to spread
the clay in any particular way that may be to his liking．

Ontario Tobacco Soils． The favorable prices paid last year wil planted to tobacco next spring，and this
 and the market value of the product．
While the study now being made the Tobacco Division of the made by producing soils of Ontario is not yet
complete，it has been noted that frequent ly a soil has the capacity of producing a poor quality of all classes of tobacco，
but such adaptibility is not favorable
to the production of in any one of the classes．To obtain
best results，soil and climate must be suited to the special needs of a certain
type of product In Ontario，the chief varieties of tobacc so far recommended and principally
grown are：White Burley，which is air－ cured；Snuff，which is fire－cured；and flue－cured．
The soils giving the best results with White Burley are those known as＂salts with
or＂gravelly＂ and humus，are of a greyish or potash
color and are well－drained．This land
is usually wet longen as in the spring and are frequently
higher in clay content


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where．Water in your bathroom－kitchen and cellar；water under pressur
for fire protection for fire protection．The＂Empire＂brings you city conveniences，safety
and comfort at little expense．Gasoline，electric and hand Send to－day for Information Blank－fill it in，mail it，and we will select an Empire System suited to your needs and estimate its cost Free of Charge．


Our bakers select these choice ingredients－high－grade four， fresh rich milk，Jersey butter and pure shortening in the making of McCormick＇s Jer－ sey Cream Sodas．
Sold fresh everywhere in different


## －Mchormick＇s Sodas <br> eems unnecessar



## FURNITURE？

THE ADAMS No． CIt＇s free to you

WANTED
Good Veal Calves


## 

Why? Because it's an honestly made fence, and it's easily put up properly. It needs no repairs and it gives true protection to crops and stock for a good two generations. It's metal all through.-fence and posts and all, and it's there to stay. Of course that means a Standard Fence and Standard Steel Tube Posts. Thousands of our users will thoroughly endorse these statements.

## STANDARD FENCING

Why it pays to use it
It has got the weight. It's all No. 9 gauge, full Government size, high-carbon, tough, springy steel made to our own formula. The galvanizing is thick and even. Nothing is ever skimped, undersized or * under-weight about Standard Fence, and the tests we make guarantee you many years of splendid service, for we're proud of the Standard name and reputation.

The Standard Knot is our original invention and imitators cannot equal our latest improvement, a gradual curve that holds like a rock yet never chips or cracks the galvanizing. You may get a fence cheaper in first cost, but never cheaper to put up, or for service, than Standard

THE ONTARIO AGRICULTURAL
COLLEGE, GUELPH, LIKES THEM.
Dear Sirs:
Thave your favor of the $2 n d$, regarding the steel tube fence posts which you sent us, and I am pleased to say that Standard Posts have given very good satisfaction indeed. We
almost entirely, in connection with our sheep pasture, and they have proved perfectly satis-

COUPON
The Standard Tube \& Fence Co., Limited Woodstock, Ontario

Without obligating me in any way, I would like to have you
me your catalogue and prices.

## Addres

## STANDARD ${ }^{\text {STEEL }}$ TVEE $P$ OSTS

They are one of the big, pratical, moneysaving helps that make modern farming profitable, especially now, when there's less than one man per hundred acres left on the farm. You simply take a mallet and drive them in as clean and easy as a row of stakes. A man and a boy and a wheelbarrow make up the gang, and they'll put in more posts in a day than three men and a boy digging holes and setting in wooden posts. Think of the big saving in time and money, and you get a fireproof, rot-proof, insect-proof job. Here's work you can use "green" help at.

Cut out the staple buying too, we supply special staples, gratis, with Standard Fence Posts.

THEY STAND UP UNDER HEAVY GRAPEVINE LOAD.

## Standard Tube \& Fence Co., Ltd.

 Dear Sirs:We are in receipt of your letter of the 24 th inst., and the contents are noted. In reply, we beg to say that the steel tube fence posts, which we purchased from you in March, 1915, have given with gredar posts, alternating them, and spacing them SIXTY FEET APART, and they have given us splendid service.

> Very truly yours,
> The Ontario Grape Growing \& Wine Manufacturing Company

## St. Catharines.

## We're out to help the

 farmer make moneyOur business is built on real money saving service, by giving you honestly made, labor-saving goods at one small profit. Just ask "Standard" users There are plenty of them, because our PRICES ARE RIGHT Orders shipped same day as re ceived, and $\$ 10$ orders go freight prepaid in Eastern Canada Fences, all sizes, also Farm and Garden Gates, tools, etc.
Let us show you what Standard Service, Prices and Guarantee mean to-day. Send us the coupon-now


Standard Steel Tube Fence Posts Plain and Split (or self-anchoring)

STANDARD STEEL TUBE \& FENCE CO., LIMITED, WOODSTOCK, ONTARIO

## Neize thig Export Market Opportunity

## In 1916, Great Britain Imported 66,064,110 dozen eggs

$T_{7,363,290}$ dozen were United Stal Canada contributed $14,317,780$ dozen-of which contribution was only $6,954,490$ duzen domestic eggs. Therefore Canada's net
CANADA'S eggs are of First Class quality and $\square \mathrm{HE}$ present is a most opportune time to $\mathrm{T}^{0}$ secure a permanent share of this trade TO do so, we should increase the output THIS means 15 more hens on every farm Set more eggs-Raise
more chicks-Act now

- This is National Service.

$$
\begin{aligned}
& \text { Ask for Poultry Bulletin of } \\
& \text { Information Bureau }
\end{aligned}
$$

dominion department of AGRICULIURE,

OTTAWA
hon. martin burrell,


mperial Monthly Income Policy



Vegetable Plants

The Cost of Growing PotaEditor "The Farmer's Aingocate", In potato-growing provinces like New
Brouswick there is always more or les. discussion as to what it thore or less
to grow a good crop of poatlo cost to grow a gool crop of potatoes, and
statcucnts vary froml as low as $\$ 40.00$
per acre to as ligh as $\$ 12500$ an per acte to as high as 812.500 . Naturally
there will be much variation in
accorling the according to local conditions and especiast.
ly to the alility of ly to the alilisty of the land to perpecial.
without expensive fertilizing to produce wethout expensive fertilizing, It shauce
be borne in mind that it will usually
cost the potato sith cost the potato spec cialist it more usually
his crop than it will the farmer who follow
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 Hith a tiew to getting actual fivities.
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 tation, Freclericton, for the past two
sceisonsm with seasons with an acre of land set apart
for this particular purpose Aeither rent of land nor depreciation onlation, for these two are items the cal-
core largely in the hands of the individual rowive As a gencral rule, however,
to would be fair to charge as rent, 10
per cont of per cent. of the value of the land, and
special
iromato mathinery will depreciate
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barnels of $16: \%$ pounds alls cach of marketable
Natoe were obt tainced and sold at 81.75
Thodluction of 90 cents per over barel. Seven of
Warrelt of culls were sold for $\$ 3.50$, so
(1) sin .5.51.

This hand was rather wet naturally
and during the very rainy weather of Junc and July was several times flooded,
tuluing mised hills and inferior plants
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91.5 being due to ling h.pricedsecd, higher
(1ne hundreld and twenty barrels of
and could have been sold at at 82.25 per

al of culls at 550, si,.0., making

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The Big Quebec Sale
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The $\mathbf{F}$ Editor " The far would be acres of $h$ one mile the build the length across on ten acres ten acres gravel as
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The Farm He Would Like. Edtror "The Farmer's Advocate": The farm that I would desire to manage would be one containing one hundred cres of high, rolling land, not more than ne mile from a town and railway with the buildings situated back one-third the length of farm, a spring creek flowing across one corner, and a bush covering ten acres at the back; the soil, a clayloam, with a subsoll composed or as much gravel as possible. This is my idea an ideal tarm.
because if it becomes necessary one man can successfully operate it. 'Some will doubt this but, with a boy during hatvest, a diligent and industrious man
will be able to keep his farm a model of thrift and neatness for the community in which he lives. This hundred acres would be fenced off into six fields, containing fifteen acres each, leaving ten acres for the bush which would be used for growing
timber only. The field which the creek ran through would be left for a permanent pasture, the remainder would be under cultivation and cropped by a three-yea rotation. would follow mixed farming to a certain degree, but specialize in breeding Holsteins. My plan would be to purchase seven female calves from registered stock. These would not be bred until they were almost two years old. this cattle I have seen in this of the country are due to the breeding of immature stock. I have known farmers to use bulls not a year old for breeding purposes. How could they expect thrifty stock? And yet the bulls
which have been tried and proved reliable are sold for canners as soon as the owner needs a change to prevent inbreeding. If farmers who raise their cattle would buy these, they would soon see the advantage over the use of young
bulls. Some of the farmers here breed their heifers when they are very little over a year old. This is a great mistake for it not only stunts the animal's growth, but weakens her constitution. A cow digestive organs, so as to make the best use of feed. between two and three years of age, and milk for at least one year. Never milk time they come in they will be inclined to dry at about the same time they did during the first milking period. If I had sufficient help on one hundred acres working it alone I would milk only four of the seven cows and let the calves suck the rest. The males would be sold for veal at one month of age and pure-bred pemale calves purchased to take their cows at six months and fed good sueculent feed, but no grain until their frames were developed. They would now be bred as 1 have already described and I would also raise betwened. fifteen pigs every year. After the pigs are weaned they would be fed a certain quantity of skim-milk in order to keep them growing. Also other feed which at middlings. When about three months old, I would add to this pulped roots, and green clover in summer, bran taking its place during the winter, and a little ground grain which would be gradually be fed largely chopped grain for morning and night. At noon a feed of sugarbeets or mangels would be given. I think no animal on the farm will give quicker returns than the hog, nor larger Poultry would also be kept on this farm. About one hundred hens would be all I could properly care for. These would be kept in a hen house instead of the kept and are still keeping the poultry But there has been a great improvement along these lines during the past two years. And we are beginning to realize more and more the good poultry on the farm
feed them bread crumbs or rolled oat then small wheat with a mash of corn and oats mixed with skim-milk, also green vegetables When it came to fattening the cockerels, I would put the in a small pen, give them all the water
$\begin{array}{llllllllllll}M & A & D & E & I & N & C & A & N & A & D & A\end{array}$


The high record, trap-nested hen, the A. R. O. cow, the well finished steer, the well grown colt, the prize hog:
Whatever you raise that's a bit better than the ordinary, is worth an auto-photo-graphic record. And you can make such a record, with the data on the negative. It's a simple, permanent, inexpensive and almost instantaneous process with an

## AUTOGRAPHIC KODAK

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## NO PRICE CHANGES

Wbelieve this is a good year for the fence user to buy fencing From present indications wire will be higher, and fence will be so scarce as to be hard to obtain at any price. This condition may hold for several seasons. The wise man is buying liberally now. He is getting his fence at a reasonable price and also having the use of it to help him raise more and better crops while prices are high. At the same time he is performing a patriotic duty in helping to supply the nation with the food it so much needs

## The Page Wire Fence Company LIMITEID. <br> WALKERVILLE <br> TORONTO <br> MONTREAL <br> ST. JOHN

| and grit they wished, with all the feed | $\begin{array}{l}\text { feed laying hens. I think different } \\ \text { breeds require different methods of feed }\end{array}$ | $\begin{array}{l}\text { all conditions. The Barred Plymouth } \\ \text { Rock is my choice for general purpoe }\end{array}$ |
| ---: | :--- | :--- |
| and |  |  | they would eat. existing, regarding the proper ration to $\mid$ ration can be used with success under Wellington Co., Ont. Sam Page.





KEEP THEM YORKNG
A horse in the field is worth two
in the barn.
Spav cant, prevent
Spatin, Ringbone Splint putting your horse in the barurb but you
can prevent these troubles from keeping
KENDALL'S
SPAVIN CURE


Questions and Answers
Miscellaneous.
Working on Sunday.
I live on a small farm just out mane on a small farm just outsile working at a munition factory during
the week. My neightor raises strenuous objection to me hauling wood from the
bush on my own land and spliting same and doing what I consider other necessary
chores about the farme on Sunday.

Ans. - - nder ordinary conditions
would be liable to te would be lathe to be prosecuted for
teaming wood on Sunday as it woult
be considered unnecessary work


At the same time we believe y
be liable in the eyes of the law.
Poorly Flavored Eggs.
I keep a flock of sixty well bred hens
and for some time back have been gett ing disagroeable odor and taste. disagreeable odor and taste. Hens are
healthy and have a clean house. They
get plenty of grit get plenty of grit and pure, cleand drinking
water and a ration of oats twice a day Can you explain the strong taste of th

Ans.-The egg shell is porous and wir
absorb odors wlich will affect the flavo absorb odors which will attect the flavo
of the egg. Certain things the hens ea
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$\qquad$ considered to be as good as with egg
from grain-fed hens which have a clean
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## I

15 and then on Aprill 6 she had inversion inches. I called the veterinarian and truss. The cause given was relaxation of the ligaments. What causes the liga-
ments to relax?
How can I prevent it the next time? I have no roots but feed gluten feed, bran and oil cake
besides all the clover hay she will eat Would you advise keeping her to breed
again? She eats well and averages 49 againds of milk per day. Is it advisable to flush the womb? R. J. E. difficult parturition or may arise from no apparent cause. The womb should
be washed in warm water before returnbe washed in warm water before return-
ing it, and then about one-half pint of tincture of opium to 7 parts warm water might be injected three times daily.
It is advisable to leave the truss on for some time and to build the stall so as to
elevate the hind parts of the cow elevate the hind parts of the cow a little
higher than the front until danger higher than the front until danger of
inversion is past. If the womb return to place properly the cow may be bred ligaments being weakened the of trouble
lith a month on may re-occur at the next freshoning.
Prevention would be to feed lightly laxative feeds when the cow is due to calve and give raw linseed oil to keep the bawels open. Also have
raised stall when freshening.
This the Season to Preserve Eggs
This is the time of year to preserve
eggs for home use. About half of the

The Aylmer Sprayer will increase Your Yield of Fruit and Potatoes This sprayer is past the experimental stage. It is used and endorsed by seven Governments. Its simplicity durability, efficiency and power have made it famous, The Aylmer is made of bronze. There is nothing to rust or get out of order. There is no packing to blow out, wear away,
 We supply pumps separately or
mounted on the barrel, with iron or bamboo extension rods, also nozzles and hose to suit your needs. Irrite to-day for our free illustrated

The Aylmer Pump \& Scale Co. Aylmer Limited 4lso Makers of Farm W Ontario


## ATTENTION!

## BIG SALE OF LIVE STOCK

Percherons, Clydesdales, Belgians, Standard-breds; also 60 Holsteins, THURSDAY, APRIL 26th, 1917


 2 and 3 years old. Others in Percherone Clydesdale stallions: Baron's Kid 9742. Pride of Eardly 9876 , and Baron Aberdeen 16100, Kitty
Macrae $31602-3474$, Imp. mare, 6 years old

 hentioned here, also 60 HEAD OF REGISTERED AND GRDE HOLSTEINS, headed by Prinioe
Xanthine Korndyke 19533 , sired by Sir Ras Apple
 stock as in oreasonabie ofer will best repportunites ever offered in the province of Quebect to get good
will have no place to house them durine Two trinn each way yevecy day. Long-distance Telphone. C.P.R. train leaves O.tawa 8 8.30, artive
Grenvili 11 ach
 J. E. ARNOLD GRENVILLE, QUE
The Hawthorn Clydesdales and Shorthorns-C Cydesdale mares and fillee from extra heavy milking dams, a red and anh. Females all ages. Chol
wean. FYerything brind The Hawthornes, ALLAN B. MANN, Peterboro, Ont., R.R. 4 CLYDESDALES and AYRSHIRES


Bell Telephone Hillsidale farm Farm, $31 / 2$ miles east of Otawa B. ROTHWELL
R. R. No. 1, ottawa, ont

Meadow Lawn Shorthorns F. W. EWING, ELORA, ONT,

Peter L. Graham, R. 2, Ilderton, Ont.




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Alloway Lodge Stock Farm Angus-Southdowns-Collies SpECIAL thin month:
CHOICE BULLS ROBT. MCEWEN, R.R.4, London, Ont.
 PEDIGREED LIVE STOCK of al deercinitions. Specialty made of tafat horeses Bheep. Illustrated catalogues and testimonialas on
apppication. All enquiries answered with pleasure.
Now is the time to Now is the time to import. Prospects were never
better, and insurance against all war risks can be
covered by payment of an extra $1 \%$ only.
Beaver Hill Aberden-Angus buls, from 15



 Blands: DR. bel., v.s., kivgston, ont. Gat high hatas Angus bull and bred dhe cham.

Plaster Hill Herd shorturn

 Pleasant Valley Farmeshor horns, Roan


Questions and Answers -
Hereditary Trouble. I have a mare which went blind tivo
years ago alter an autack of moon blind-
 late in the season. What is the cause of
this? Will blindness be inherited by her offspring?
Ans. The believed by many veterinarians to
be hereditiary. The offspring would
 condition. Sweet Clover.

1. Would 20 Ibs. per acre of sweet
clover be sufficient to sow without nurse crop. Which is better for hay, whiteor yel-
ton, 3. If I sow it innediatly a fer grain
seeding, would ti be able, vith tavaroble weather conditions, to cut it for hay the same year?
2. At what stage should it be cut $P^{2}$
s. Ans. -1 . Under average conditions, yes.
2 . We do not know Both res rown satisfactority. We rather tavor white.
3. Yee
4. Belore it blossoms or gets so coarse as to become woody.
Hay in Mow.
How much hay will there be in a mow
15 feet by 16 feet by 8 feet? The hay is well setiled in the now as it was covered
isth grain before threshing in the fall. Ans. -The rules for measuring hay
hary accordiny to tensth of time the vary according to ten the mow, wherther
hay has been elt in the
 claim that a to of fine timothy and blue
grass will occupy about 450 cubic feet grass will occupy about
of space when well settled. A ton of clover and timothy takes about 475
cubic feet. Estimating that a ton of the cubic feet. Estimating the foet, the mow
hay will occupy 450 cubic feot four and one-quarter tons.
Permanent Pasture-Mare Aborted. 1. I have a very hilly field that I The soil is a light loam, part of it is of a sandy nature. Would if not, what would any length of end?
5. I bought an agricultural mare about 10 years old in February, 1916. I bred
her in luly, 1916, but in February, 1917, she lost her foal; carrying it 7 months alitched for more than a month, but was
hit hithed in yard every day. She was fed
out in the yand clean oat straw a few crushed oats and clean oat straw to pick over in the morning hay and straw
and one quart of boiled oats and at night. She got water at a spring over
the hill. The path over the hill and around the hill. The patten icy and particularly spring this time. Mare has apparently
so at raised a colt sometime as her teats are large and appear to have bee hurt. Do you suppose
or is it a habit of some mares? Would you advise breeding again this season?
If so, would it be well not to breed until after she would have foaled, had she carried the foal five tor to prevent her thing
aborting again.
Ans.-Alfalfa might catch and grow satistactority on
not a pasture crop. If the crown of the not a pasture crop. inured it soon dies.
plant becomes A permanent pastura
well is composed of a mixture of orchard
 3 Ibs.i white. Dutch clover, 3 Ibs.: tail
oat grass, 2 lbs., and meadow foxtail,
 mixture as it will give collsidctame
feed before some of the grasses become established.

| 2. We are inctined to which caused mare met wher her foal. A pregnant mareher to lose her should be kept off the ice as much as possible. One never knows when they will accidentally slip. There is no to lred |
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The "Distance-Doubler"
$\mathrm{O}^{\text {NE way to grasp the significance of the Good Roads }}$ the time-waste invoved in avoiding the bad road. Canada's eight million people are spread over a huge arval
Ours is a country of magnificent distances. Big intervals Ours is a country of magnificent distances. Bnly make this situation worse by ouble distance. The remedy is found in Permanent Highways of Concrete
It is actually a shorter journey over a two-mile Concrete pavement than over a one-mile stretch of an old-style road. important that all who have it set before them must, in important tesire for Canada's more rapid progress, seek eagerly for the further facts about Concrete as the road pavement ideal.

Canada's development is being retarded by her
bad roads. To every man in Canada belongs a
share in the responsibility of removing the "dis
of doing something to improve matters. The
first step is to become Concrete-wise by getting
our Road Book. It's free to all who write
Canada Cement Company, Limited
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## SALEM SHORTHORNS



## IMPORTED SHORTHORNS

 OAKLAND SHORTHORNS -.-BULLS
 A Choice Offering of Shorthorn Bulls-lo he have geveral good, thick ,

Oakville, Ont GEO. E. MORDEN \& SONS, Bell Phone

## The Manor Stock Farm SHORTHORNS


Denfield, Oat.

 Welland District Shorthorn Breeders' Club
 Chas. Gainer, Sec

## PARKHILL SHORTHORNS

 OUR LATEST IMPORTATION OF CLYDESDALES


Imported Shorthorns



CREAMO
Cotton Seed Feed Meal DAIR YMEN and FEEDERS
Fred Smith, $32-34$ Front St. W., Toronto
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Glenfoyle Shorthorns
Ste art M. G. Gramam,
When writing mention "Adsuys, onate",

An IDEAL costs nothing because it quickly pays for itself
PROBABLY you intend to put up a silo some day.
Why not do it right now?
A silo is not a luxury-something to be saved up for or bought only when you have surplus cash. In fact, the less cash you have to spare, the more you need a good silo. An IDEAL Green Feed Silo full of rich, juicy silage will cut such a slice off your winter feed bill and increase the milk flow from your cows to such an extent that even if you had to borrow the money it would pay you to pu: one up rather than to wait nother year.
The longer you try to get along without a silo the longer you continue to sacrifice the profit you might have.

A prominent dairy authority says that even if a farmer had to buy a new silo every year he would still find it profitable. When you consider that the average life of an IDEAL Green Feed Silo is from fifteen to
twenty years, that it pays for itself the first year and that each year theretwenty years, that it pays for itself the first year and that each year there-
after it returns to its owner a profit equal to its entire first cost, you can appreciate how important a part of the farm equipment it is.

Look into this silo question now, and prepare to make bigger profits from your cows next winter.
$\qquad$
THE DE LAVAL COMPANY, Ltd.
LARGES MANUFACTURERS OE DAIIY SUPPLIES IN CANADA.
and Ideal Green Feed Silos. Alpha Gas Engines, Alpham Churns and
Buttermakers. Catalogues of any of our lines mailed upon request. MONTREAL PETERBORO WINNIPEG VANCOUVER 50,000 BRANChes and local agencies the world over

There are men that have good SHORTHORN HERDS that need good bulls to head them.
There are men that have herds that are kept to breed thick, easy-feeding cattle, and big There ere men then haod milkers. are itying hard to start improvement in their own herds and in their
neighborthoods.


ESCANA FARM SHORTHORNS Sires in use: NEWTON GRAND CHAMPION (IMP.), a Marr Clara, recently imported, and
RIGHT SORT (IMP.). His get has won numerous first and special priges at Toronto. For Sale -Seven bulls, choice individuals, at reasonable prices. Also a dosen cows and heifere,
some of them bred to our herd sires. Herd numbers 100 . MITCHELL BROS.
Jos. McCrudden, Manager
$\underset{\text { Farm } 1 / 4 \text { mile from Burlington Jct. }}{\text { Bin }}$
Glengow Shorthorns, Cotswolds


Spring Valley Shorthorns Kyle Bros.,
great breeding bulls, Newton Ringleader (imp.) 83783, and Nompareil
Ramsden 83422 . Can supply a few of either sex.
Drumbo, Ont.
Phome and telegraph wia Ays.
SHORTHORNS AND SHROPSHIRES-T. L. Mercer, Markdale, Ont
 IMPORTED SHORTHORNS
 Imported and canadian bred. More SHORTHORN OFFERING BR ANT COUNTTY SHORTHORN CLUB




April 19， 1917


Tanglefoot does its work so well that it not only catches the fly but disinfecting varnish．It protects

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of thosecomposedof arsenic．Fatalcases
of poisoning of children through the use of such compounds are far too frequene pois oning to summer diarrhea a and chal－ rapintantum，it is believed that the cases
report do not．，by any means，comprise he total．Arsenical flyedestroying de－
vices must be rated as extremely danger－ ous，and should never be need，even if Made in Oanads by
The 0 \＆W．Thum The 0．\＆W．Thu
Company Company
Walkerville，on


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## CREAM SEPARATOR

＂Sanitary King＂
Six Sizes－135－200－250－375－600 and DETACHABLE SPINDLE，OIL SPLASH
and loose disc．We GUAR ANTEE these machines to be built of the best material，
first－class workmanshi，skimo clean，easy
to to turn and wash．Cash prices very low．
Muts satisfy or money refunded．Sold on
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King Separator Works of Canada
Bridgeburg，
Ontario


#### Abstract

der American barley．May delivery barley sold to－day at $\$ 1.111 / 2$ ，this is for No． 3 barley，with the privilege of de－ livering No． 4 barley at 5 cents per bushel discount day，and July flax at $\$ 3.001 \frac{1}{2}$ per bushel plis market and bought freely of our sup－ plies．In fact，the only supplies availab on the North American continent．This oil demand will be greatly increased he entrance of the United States into th are expected for flaxseed．Great Britain is in control of the Indian crop，and the Argentine Government has limited the


 4，000，000 bushels．Ideals．
Editor＂The Farmer＇s Advocate＂： It is said that the ancient peruvia conspicuous in modern civilization，and life of a humble tiller of the soil was esteemed to be the acme of success． What a revolution there would be in ideals？If，instead of aiming at getting as big a portion of this world＇s treasures as is possible，we all strove to live some－ what as Thoreau did in his＂Walden！ The most successful man would then be amount of material good things，but he of physical strength，intellectual acumen and moral superiority，and at the same time consume the least amount of ma－ terial good things History records tha who did not need a 40 horse－power locomotive to transport their bodies rew hundred yards，and that in other re－ spects these great men made quate
moderate demands for food，clothing and housing．It is，indeed，questionable whether the tremendous increase of man power over external nature，that we
identify with modern civilization，is an unmixed blessing．＂Knowledge comes but wisdom lingers，＂and modern civinizly
tion is at present destroying itself fairly rapidly．What the end may be no one In an ancient Book（was it Peruvian？） we read of a certain rich man whose ground brought forth bountifully；and he reasoned whatl because I have not where to bestow my fruit？And he said，This will
I do：I will pull down my barns and build I do：I will pull down my barns corn and my goods．And I will say mid up for many years，take thine ease，eat drink and be merry．And we read that
he was condemned for his folly．We are further counseled，in the same book or wherewithal we shall be clothed，and to lay up for ourselves，noter mares of charac
ter and personality．
How strangely these counsels fall upon modern ears？How antiquated they seem；for does not success in life consist
in the abundance of things which a man possesseth？Counsels good enough for the ancient Peruvians，or otace in this en－ peoples，but quite outeration？He who would be chief among us must keep his hands unsoiled，dress in a frock coat and
silk hat，live in a palace，eat costly viands， be served by a small army of menials， be served
transported in cushioned ease by private awe as Sir This or Sir That．
However
Canada at the present time who adhere o the ideals of the ancient Book，who be lieve in and practice in homage before the Golden Image which King Commerce has
sot set up．Listen to the following Voice，
which speaks eloquently in your Christ
$\qquad$
$\qquad$
$\qquad$
$\qquad$
dent or premier，any，
in God＇s wide world．＂
ideal may undergo remcarnation，and
again become an active force in the world


KING SEGIS PONTIAC POSCH Sire King Segis Pontiac Alcartra（the $\$ 50,000$ Sire）
Dam Fairmont Netherland Posch（ 32.59 lbs ．at 4 yrs．old）


4
Young Sires from Manor Farm Are in great demand．I have only two bull calves left，both of very choice breeding，one year－old now under test and making good． They are priced right to sell．Write for ex－
tended pedigree and photo． tended pedigree and photo．
GORDON S．GOODERHAM
CLARKSON，ONT．


Write for Booklet＂H＂and Learn Why you cannot afford to be without
H．F．BAILEY \＆SON，GALT，ONT．
Manufacturers under HINMAN patente

## ＂Empire＂Corrugated Iron <br> The original brand with a 30 －year reputation behind it．Every sheet true and uniform and heavily galvanized．A post card will bring you particulars．

Metallic Roofing Co．，Limited，Manufacturers，Toronto

## Hospital for Insane－－Hamilton，Ont．

Or only offering at present is a bull born February 10th，1917，a grandson of dether in 7 days．His dam is a high－producer and tester，and carries the blood of
diter Apply to Superintendent．

## KING SYLVIA KEYES 28566

 aithed mimo of
${ }^{\text {sinched }}$ salced by the world＇s greatest records．
W．G．Bailey，Oak Park Stock Farm，R．R．4，Paris，Ont
SUMMER HILLHOLSTEINS
 D．C．FLATT \＆SON，R．R．2，HAMILTON，ONT．Phone 7165 Clontarf Farm
and

## Brant Con Ont WG Gomb

# York County Breeders "Quality Sale" of Holsteins 

 Richmond Hill Fair Buildings, WEDNESDAY, MAY 9thYork County is well known as the home of many of the best sires of the breed, and the blood of the  son of the great King Segis. grand sire of the only $50-1 b$, mature cow and of the only $46-1$, fouryear-old? a son, a full brother, a grandson of May Echo Sylvia (the worlds reord cow) and several grand sons of the worldds greatest sire, King of the Pontiacs.<br>York County riederers are making every effort to make this sale of seventy head of Holsteins the sale of the season-a sale that will be a credit to O York County. the

R. W.E. BURNABY
as 26 lbs. butter in 7 days, and most of them bred to one of the sires mentioned above
If you want thirty, forty or fifty.pound blood in you
herd ata past and when prospects were never better for good prices for milk, butter and cheese, and with a growing
demand for good breeding Holsteins, come to this demand gror good
great "Quality Sale"
Remember the Sale is rich in the blood of the families
 and that every animal will be sold, regardless of value
to the highest bidder, and that the sale will start at 12.30 o'clock, shar

JEFFERSON, ONT.


18 HOLSTEIN BULLS FOR SALE


Willowlea Holsteins
Advocate Ads. Pay

May Sylvia Pontiac Cornucopia


 being also another wordts seoms

Apply early, as only a number of approved cows
will be bace Owness-W. F. Elliott, A. J. Camplin, C. R. Dyke, L. M. Kennedy W. F. ELLIOTT, Sec., (pibile) Unionville, Ont.

HIGHLAND LAKE FARMS




## ROYCROFT FARM HOLSTEINS


 W. L. Sthew PRovRR BTok R EVERGREEN STOCK FARM - High-class Registered Holsteins是
 Silver Stream Holsteins

ORCHARD LEIGH HOLSTEINS

 KING SEGIS WALKER'S
 CLOVERLEA HOLSTEINS Dumfries Farm Holsteins

## Questions and Answens.

 MiscellaneousBarley-Incubatore
What is the best varicty of barleg
to make of incubatator? consider is the bes Ans. 1. O. A. C. No. 21 is a variet is highlyy spoken of as a yivelcer and from the feeding standonist y yielder and from as Manchurian Ottawa. 50 visriety knom. 2. There are a number of makes incubators on the market all maxeeo of whicd
give good results if did give good results if directions are arate
fully followed. All makes are det.


Preventing Self Sucking.
Sometime ago I read about a con.
trivance to prevent cows sucking them.
 in the animals nose. Would it wow
all r ight on a steee to keep himm from suck all right on a steer to keep him from sudk
ing cows?
Where can it be seurred? Ans-A device which is effectual and and ring in the animals s nose and atatad
butl two common iron rings to it. These will the animal attempts to suck, buth will
the lind not interfere with grazing or feeding wrim
a manger. Rings may be secured from
the looal. Engine Power
Would like to have you publish in the next issue of your paper the power a
4 cylinder 4 cycle engine should delives on the belt. Diameter of cylinders diameter of belt pulley 7 inches. Would gas enough for an engine of these pro-Ans.-There are a number of formula' for estimating the horse-power of gasoline engines, and they vary a great deal in esuts. The average indicates that the horse-power if run at a speed suitable should be large enough .

## Hens Eat Eggs.

What is the best way to prevent hene Ans.-Egg eating is a bad habit which hens sometimes contract when there is lack of green feed or meat feed in the
ration. Once they acquire a taste for eggs, it is almost impossible to prevent eggs, it is almost impossible to prevent
them from eating them. It very often happens that only two or three hens
are guilty at the start, and if these can be caught in the act and removed from Clipping the sharp point off the bill or filling an egg shell with red pepper of some hot material has been known to break the habit. However, it is not a sure cure. Darkened nests will help
to overcome it and we believe there are nests on the market which are designed so that the egg disappears when it when the birds have free range and obtain plenty of shell, green feed and meal
feed, the egg-eating habit will no doubt be overcome.

In the tube train the other night a gay, a fe tive meeting with a few friends He first attracted attention by yelling " "Whasamassereverbodyiniscar!" he A timid young lady fainted "Whoopee! I-don-care-if-I-never-go home"'" he screamed again.

This time twin babies began to cry.
verybody began to tremble.
Fverybody began to tremble.
Finally a woman who sat near
middle of the car spied a special constable in one of the front seats.
Making her way to the officer, she tap the shoulder. "Why don't you do somethin
"What dreadful man?" The low rough who has the car.". Rising in his seat, the officer sald,
urprise: "Was that a rough? I thought it was
the conductor calling the names of the

April 19, 1917


## GREAM

We are open to buy cream both for churn-
ask any shipper
about our service and pron
Ask for prices.
The figures of yesterday may be Too
Low for to-morrow. We furish cans,
The Toronto Creamery Co., Limited

LAKESIDE AYRSHIRES

 0 Mchethur, MANAGER. Philupsburg, evebec Dungannon Farm Ayrshires OAfers twe eleven-montho-old bulls by Humes-
baith Prince Fortune. and from good dams. $A$ so W. Hi. FURBER. Mer.. R. R. 6, Cobourg. Ont. Glencairn Ayrshires Herd established 40


THE FARMER'S ADVOCATE.
Questions and Answers.

Thoroughpin.

I have a young mare which has a
thoroughinin which is considerably sowllen
and discharge a litte. What treatment
do you advise? Ans.-Sometimes tincture of iodine
applied with a stiff brush once daily
will will remove the thoroughpin. The The
animal should not do any heavy work animal should not do any heavy work
during treatment if the best results
are to be obtained. The following are to be obtained. The following
absorbent blister may be used in place
of the iodine: Take 3 drams each of the iodine: Take 3 drams eachr of
biniodide of mercury and potassium
iodide the hair and apply the above. After four or five applications cease for a week and then repeat. It may be necessary times.
Heifers Fail to Breed-Reforesting, I have two young heifers which have
been bred three times by different bulls Have they contracted a disease from the bulls? What treatment would you advise? plant for a windbreak? What kind pines or other trees grow fastest and larg
enough to make into lumber or smal timber.
Ans.-The heifers may or may not times fail to breed without any apparent treatment may give the desired results. Mix an ordinary cake of yeast to a paste
with a little warm water and allow to stand for 12 hours in a moderately warm
place, then stir in one oint place, then stir in one pint of freshly
boiled, luke-warm water and allow to boiled, for 8 or 10 hours. The mixture
stand the
will then be ready for use and the entire quantity should be injected into the vagina of the animal to be bres. Use
the mixture when period of oestrum is first noticed and breed when the perio
is about ended. 2. Norway spruce or cedar makes
good
windbreak. White and Scotch pines are commonly used in reforest
ing work. They attain a fair size in few years time. Some of the soft wood
as Catalpa, Larch, Chestnut, etc., make fairly rapid growth and while not making
the highest priced lumber can be used

## Albania.

To what country does Albania belong,
Ans--Albania is a portion of the
Turkish Empire. Information given in Turkish Empire . information given in
the Encyclopedia Britannica is to the
effect effect that tribal organizations still
survive. The practical autonomy which enjoy has been won by a prolonged and
successful resistance to Turkish domination. They know nothing of the Ottoman law, although Turkish official
are established a mongst them. Theit obigation a contingent in time of war,
is to furnish a
The oly The only law they recognize is erthe
traditional custom or an unwritte civil and criminal code.
in each clan a certain number of elders who by a counch and hold theit
office by hereditary right. They preside
over tre over the assembles of the tribesmen
which exercise the supreme legislative
worer poter smaller comnunities, each ad
into
ministered lyy a local notable or "Jobar" of the laws, collect fines, and administar with the resident representative of the

tribe of Scutari, who forms the only | link between the mountaineers and the |
| :--- |
| Turkish Government. Diferent parts | The upper Scutar

of government.
groun or confecleration are comparativel under the Turkish rule and pay a sma
annual tribute. The chiefs who asses and confed council. Parts of the country
ministrative coun mijoy a form of independence, while These customs prevalied previous sought in the world during the past two-and-one-
half years Albania is in the theatre of war able to expect that the customs of the
people of Albania have been affected.



Humeshaugh Ayrshires
As we have a number of bull calves on hand from our champion nire,
Hillside Peter Pan and R.O.P. dams, we have decided to reduce pricea to AIEX. HUME CO. and secure the pick
$\qquad$
 F.H. Harris, Mt.Elgin, Ont. $\begin{aligned} & \text { which head to evality, production and constitution. } \\ & \text { yearling heifers and }\end{aligned}$ Young BRAMPTON JERSEYS Bulls
 Toonthe fram canada's most beautiful jersey her
 John Pringle, Prop. WE WORK OUR SHOW COWS AND SHOW OUR WORK COW8
When writing please mention Advocate

## THE FARMER'S ADVOCATE



## Questions and Answers Miscellaneous. <br> Brine Spots on Ceiling

 to brenently read an article referringIf fresh spots on the ceiling wall paper If fresh paper is put on over this, the
spots are almost sure to show through.
Ho However, I tried painting the spots
and then papering ater and then papering after the paint had
become dry. This has overcome the Cow-Testing.
has hust dropped hered Shorthorn that year I weighed her milk and she gave
9,000 lbs. I think she will do better this year. How could
an official test? apply and what would be my obligations?

Ottawa, for forms and instructions regarding entering your cow in the semi-
official or Record This is a yearly test and a Government during the year pace six or eight times
the milk the milk, then compares his weight with
with what with what you have marked down previous
to his visit. obligation other than are not under any at the time of his visit, and converin test tor 7 depot. For a strictly officia an official witnesses the milking and does the weighing during the entire
test. In this case to pay and board the man be required ${ }^{\text {esting. }}$ Mare Perspires Freely,
due have a seven-year-old brood mare on mixed hay and about two "quarts of ground oats and bran daily. She has a
heavy coat of hair and lersp around the flanks. I have kepspt a blanket
on her all winter on her all winter on account of the stable
being rather cold being rather cold. Thinking that this
was causing her was causing her to perspire I removed
it recently but it has made no difference a little weak. What is the mare appear condition and what is the cause of this
you suggest?
TAMWORTHS Large numbers of cor Salice males and females.
All acee.
Herold's Farms, Beamsville, Ont. TAMWORTHS oung soo wo bred for April and May farow, and a Cohn W. Tod, R. K. No. 1 Corinth, On.


 Yorkshires ${ }_{2}^{\text {Sows bred and youn neri; boars }}$
 Wm. Manning \& Sons prize-winning stock. Meadow Brook YORKSHIRES
 G. W. Miners, R.R. 3. Exeteral.Ont., Huron Co

 Swine R.R. No. 3. Burketon. Ont Swine for Sale Am offering choice stock in
 GEO. G. GOUCLD. R. R. 4 E ESSEX, ONT. Champion Berkahres-When buying

 | Georgetown. Ont. R. R. 3 . |
| :--- | Berkshire Pigs Refigtered stock, choicely I, B. PEARSEDN, Mgr.. Meadowrale.




 Ans.- - We do not think there is any
thing seriously wrong with the mat.
Sin She cannousty wrong with the mare. is liable to perspire much more freely
than a mare which is than a mare which is not in foal. I
fact it is quite common for perspire when in this condition without
any apparent at too heavy work, and foed hot put her
She is hardly refully. when working. It is well to continut the feeding of bran on account of its
laxative nature. If carrote are available they carrots or turnips As soon as grass comest turn her be fed Mare Fails to Feed Colt I have an eleven-year-old mare whi year the colt was lost through joint
ill when a couple of weeks following year the colt w consequently the colt died milk for it four days old. She is again whe to to foal in about three weeks. but as yet is foal
showing signs of milk. She is What treatment do youndstall at night Ans.- If the mare is prone J. R.W. after and is given nourishing feoked stimulate milk production, but fails
give milk to feed her foal there is tith


not have done without it o scarce" his Summer, as help is so scarce' Here is the experience of one of the
scores of dairy farmers for whom the EMPIRE Mechanical Milker
is taking the place of the farm help they can no longer get, and enabling vailing high prices. Gentlemen :-
1 have
45 sed one of your "Empire Milker
R. R. No. 3. Ingersoll, On






WILLAM COLYER. LYER
Mechanical Milker works, and telling the experience hhich Empire
The Empire Cream Separator Co. of Canada, Limited, ORONTO

WINNIPEG.
ANNOUNCEMENT
Southdowns and Shropshires




LARKIN FARMS, QUEENSTON, ONTARIO

## KOHEKNHIIREN

 WELDWOOD FARM, $\begin{gathered}\text { Farmers } \\ \text { Lordon, } \\ \text { odocate } \\ \text { ontari }\end{gathered}$

## Save the Horses for Farm Work



HE average farmer has enough work for his horses right on the farm. He can ill spare them to pull a buggy or a phaeton. And his own time is valuable, too. With farm labor so scarce, he cannot afford to spend half a day or a day to drive a horse to town and back, when he can do it in an hour or two in a Ford.

## Costs Less

A Ford car soon pays for itself in the time it saves the busy farmer, costs less to run than a horse. It doesn't eat its head off when idle.

Mr. S. M. Smith, of Holstein, Ont., says: "I can run my Ford car more miles with less expense than a horse." His experience is typical of thousands of others.

Mr. W. A. Fallin, of Vermillion, Alberta, states that he has driven his Ford more than 13,000 miles over muddy roads, prairies and fields in every kind of weather. His entire maintenance expense for three years, outside of one set of rear tires has been only $\$ 3.35$.

With the cost of running a Ford less than driving a horse, it doesn't seem good business to drive a horse to town and tire him out so that he is not fit for work on the farm the next day, now does it?

## Never Tired

That's the great beauty of a Ford! It never gets tired. It whirls you to town and back, or takes the children to school, or your wife to visit a friend, 15 miles down the line, without any slowing up for breath or any urging with a whip. You
don't have to say "gid-dap" to a Ford. And as for hills, well, it scurries over them like a squirrel climbs a tree.

It is as easy to drive a Ford as to drive a horse. It is just the car for country service. Narrow roads or sharp turns do not bother it. It can turn completely around in a very little larger space than a horse and buggy. It is not afraid of a traction engine, a street car, a train or another motor car. It never "shies." It stands without hitching.

The initial cost of a Ford is small-\$495 for the touring car. If you care to sell it at the end of one year, you will find many buyers who will offer you the first price, less $\$ 125$. Consider, therefore, how much pleasure you can have in a year for $\$ 125$; how many hours of tedious travel, and how much horseflesh you can save. Don't you think it is a good "buy"?

## "Ford Times" Free

No progressive farmer can afford not to own a Ford. The more you look into this, and think it over, the more you will realize that it is so, Let us put you on the mailing list for "Ford Times" -our interesting magazine. It will help you in thinking it over.


Touring Car - \$495
Runabout - - \$475
F.O.B PORD, ONTARIO

Ford Motor Company of Canada, Limited

Drummond Cup Winners 1914

## One million more sheep wanted from Ontario

Co-operative marketing of wool pays. The Provincial Department of Agriculture, through the Ontario Sheep Breeders' Association, is anxious to assist every sheepgrower to place this season's clip upon the market, so that it will bring the greatest return to the Producer, and will also be of the greatest value to the Manufacturer.

Quality and freedom from foreign ma terial are the factors governing comparative prices for fleeces.
Modern methods of selling the product, breeding the sheep, and caring for the sheep, mean greater profits.
Ontario is the great sheep centre of Canada-the introduction of co-operative marketing of wool will arouse interest, and if ooher approved methods are adopted the
sheep population will again rapidly increase. butario now raises $1,000,000$ sheep, and we should produce $2,000,000$ sheep. Modern methods
will supply the necessary imper The consumption of lamperas. is increasing-too great a part of this is im portted. Too much mat a part of this is is is is
foodstuffs which should be raised in Ontarioy Every sheep-raiser is asked to movement for more sheep, and better sheep throughout Ontario.

## Study these ideas for more profit

 in marketing woolOld Way-Wool was often tied with binder twine, yarn, cotton cord, wire, wool rope, and some

New Way-Wool is all tied with paper twine, which disappears during the manuracturing proces
Old Way-Some sheep were washed, and many
were shorn without washing, and in were shorn without washing, and in many
cases the wool was tub-washed after shearing. Tub washing actually decreased the value of the wool
because all the qualities of a single fleece becom so mixed that sorting was impossible.

New Way-The sheep are not washed, and the wool is delivered just as it comes
from the sheep. from the sheep.
OId Way-The wool of high grade was sold for
the same price as that paid for low grades New Way-All fleeces are graded by
expert, and the quality doterminco comparative price
Old Way-The farmer did not know the re
value of the wool. The purchaser assumed necessary risks.

New Way-The seller and the purcl
thoroughly understand the trannaci
kept them clean, and fed them well, sold his woo at a disadvantage.

New Way-Breeding, feeding and care
are paid for when thequality Old Way-The actual value of the wool was de creased too often

New Way-The actual value is in
creased, because the creased, because the manufacturer has the
opportunity to use every pound of wool opportunity to use every pound of wool for
the proper grades of material Old Way-Distrust and suspi

New Way-Confidence and tion appear The producer and consumer
are drawn closer topera

## Results on the Farm

(1) Sheep raising will become more attractive generally better cares sheep will be better fed and (3) More pure-bred rams will be used. (4) The quality of the wool and mutton will be (5) More farm standard. part of the regular farming operatioep-raising as a (6) There will be less weeds to go to seed. This is a farmer's movement. The shee industry in Ontario has been growing smal that Your support is necessary in order the impetus it int industry will receive quantity are the deserves. Quality and quantity are the points of emphasis

Conditions Under Which Wool Shall be Accepted by the Ontario Sheep Breeders' Association :
(1) Application forms should be received in the
Secretary's Office, Parliament Buildiniter Parliament Building
Ontario Department of Agriculture SIR WM. H. HEARST
(2) Shearing should be completed so that won may be received at the Winter Fair Building, Guelph
between May 15th and June 11th, 1917. (3) Wool must not be tub-washed, but shippei in the natural grease condition.
(4) The fleece should be placed with the clipped surface do to then fold in the sides and rollffroin each end to the centre, after having carefully re-
moved the dung locks, and then tie with paper wool twine. Never tie fleece with sisal or ordinary binder twine, and avoid tying with neck portion The dung locks should be placed in a separate sack
from the fleeces. from the fleeces.
(5) The fleeces should then be packed in wool sacks, which, along with the twine, shall be sup. plied by the Association through the District Rep-
resentatives, or some centrol resentatives, or some central agency.
(6) The wool must be kept in a dry condition, both before and after placing in the sack, or other: wise it will be refused by the Association.
Association, with shats shall also be supplied by the upon tags, and also destination name typewritten These tags must be firmly attached to the wool sacks before shipping, extra bags to be placed in-
side sack for identifiation side sack for identification purposes.
(8) The wool is to be sent by freight, pre-
paid, addressed to R. WW. WADE, Winter Falr paid, addressed to
Buildings, Guelph.
(9). The wool will be graded by wool experts of the Live Stock Branch, Ottawa, and will be sold Ontario Sheep Brwise, through the medium of the possible after grading is completed, which should not be later than June 18th.
(10) The grader's grades and the Association (11) A 1 be actse (11) A charge of 15 c . per fleece, will be retained by the Ontario Sheep Breeders' Association to
cover expenses.

If you have not received a circular, enquire from your District Representative, or from Parliament Buildings, CREELMAN ioner of Agriculture


ONTARIO

## There is big money in modern methods


[^0]:    A Modern Legend A booklet, "A Modern Legend", dedicated to the Canadian Expeditionary
    Forces, and devoted to a campaign for things "made in Canada", better rural at 50 cents a copy, all profits going to
    Red Cross work. Address, Mrs. C. H.

