

VoL. L

# Pake Your choice of the "PURITY" Family 




THE FARMER'S ADVOCATE:

| All standard varieties, 1 and 2 years old; large, strong and clean; grown with special care from selected buds for our own planting. <br> AT-RIGHT PRICES <br> Write us for prices and inforn ation. |
| :---: |
|  |  |
|  |  |




|  | FOUNDED 1866 |
| :---: | :---: |
|  | The Beat Silo in Canada for Keeping Feed Com guarantzro <br> The farmer will save enough grain and hay to pay for his silo the first vear, if handled right. <br> Send for booklet, stating size of silo requited <br> The Farmers' Silo Company Markham, Ont. |
| $\sqrt{\text { Potato Profits }}$ |  |
| depend largely on how the crop is planted and soil. <br>  each. |  |
| IDONA 4 | - ${ }_{\text {100 Per Cent }}$ |
| often pay for themselves acreage. They also plant st distributor. Ask | in one season on stial h or without fertiliner your dealer to shom you this Planter and " 100 Per Cent Pa tato Planting.' |
|  |  |



RIDER AGENTS WANTED

(1) HYSLOP WROTHHERS,LI





SEE
AN
Seed Oats and Barley

Jensall, ${ }^{\text {JNO. ELDER \& SONS }}{ }_{\text {Ontarlo }}$
FORD STARTER
$=\begin{gathered}\text { Throw away your cuank }\end{gathered}$
(1)
W. p.
$\frac{\text { W. P. }}{\mathrm{N}_{\mathrm{o}}}$
march 11, 1915



SEED PEAS AND BEANS
W. P. NILES. Wellington, Ont. None-Such Seed Corn

## PATRIOTISMandPRODUCTION

"Belgium as a producing factor is obliterated from the map. Britain, always unable to sustain itself, will have stronger needs. That beautiful section of France where a little more than a year ago I saw the countless stooks of golden grain is, now scarred with the
deep-dug trenches. Surely, surely there is need for all that we can do." hon. MARTIN BURRELL, Minister of Agriculture

## The Empire Needs Many Foods

The Empire asks Canada to increase the production of staple foods-not merely of wheat. Great Britain wants oats, corn, barley, peas, beans, potatoes, turnips, onions, meat, dairy products, poultry and eggs.

In the past Great Britain has imported immense quantities of these staple foods from Russia, France, Belgium, Germany, and Austria-Hungary as shown by the following:

|  |  | Average Poss |
| :---: | :---: | :---: |
|  |  | Corn Ensilage |
| Years 1910-1913 | c | $\begin{array}{lllll}\text { (Tons) } \ldots \ldots . & 12 . & \\ \text { Peas }\end{array}$ |
| Wheat . . 28,439,609 bush. | Millions of bushels rather | Beans......... 18.79 ${ }^{180}$ |
| Oats . . . 23,586,304 | than millions of acres should be | Potatoes...... $119.40{ }^{\text {d }}$ 450. |
| Barley . . 15,192,268 | Canada's aim. The fields al- |  |
| Corn..... 7,621,374 | be made more productive. Keep | actual results which have been |
| Peas...... 703,058 | in mind good seed and good | obtained by our Experimental |
| Beans.... 639,653 | cultivation. | Farms and by many farmers. |
| Potatoes.. 4,721,590 | to expect larger returns from | obtained under intensive culti- |
| Onions..... 271,569 | the same area is conclusively | vation methods and conditions |
| Meat.... 26,509,766 lbs. |  | average farm, yet they suggest |
| Eggs.....121,112,916 doz. | present time with the possibl | the great possibilities of in- |
| Butter and | production. Note the followin | eased production. By greater |
| Cheese... 91,765,233 lbs. | brief table which shows |  |
| The above mentioned source | production per acre | zation, better drainage, the rage could be raised by a |
| w, in the main, cut off as | Average Possible | st one-third. That in itself |
| sult of the war. Great Britain | Fall Wheat.... 20.43 62. | ould add at least $\$ 150,000,000$ |
| is looking to Canada to supply a | Spring Wheat... $14.84{ }^{33}$. | the annual incom |
| large share of the shortage. | Barley........ 16.1匹 ${ }^{69 .}$ |  |
| Every individual f | Oats | to the Empire, and |
| duty to perform. | Corn, Grain ... 70. 200. | this is the year in which to do it. |

## Have You Attended Your District Conference?

If you have, you know that you heard once more the same old gospel of crop production Have youl talked over with your neighbour farmers the problems discussed at the Conference? If there are any questions on which you are at all doubtiu-write at for information to the Canadian Department of Agriculture, Ottawa, or to your Provincial Department of Agriculture. They will be pleased to help you.

## Increase Your Live Stock

Breeding stock are to-day Canada's most valuable asset. The one outstanding feature of the world's farming is that there will soon be a great shortage of meat supplies. Save your breeding stock. Plan to increase your live tock. Europe and the United States, as well as Canada will pay higher prices for beef, mutton, and bacon in the wery near future. Do not sacrifice now. Remember that live stock is the only basis for prosperous agriculture You are farming, not speculating.

Make use of the Free Bulletins issued by the Canadian They are mines of valuable information. The Government has nothing to sell and its reports are unbiased. There are special bulletins on wheat, oats corn, barley, peas, beans,
potatoes, turnips, onions and live stock. Send coupon below (no
stamp on envelope necessary,

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Canadian
Department of Agriculture,
Ottawa, Canada

Fencing
a Farm
We suggest as the most economical Fence for
general use the "CADtDIAN" made of No. 9
Wire, Stays, Laterals and
Knots. This No. 9 fence costs a little more than the lighter fences, but the difference in cost per rod does not even approach and durability. The heavier fence is much the cheapest in the long run. With the No. 9 Fence tion for a life proposition for a life time, rust
or no rust. No matter how heavy or vicious the animal, the No. 9 Fence will hold him, and it is worth something to feel and know that in any emergency your fence
will be more than equal to the occasion.

There is in use to-day thousands and thousands of miles of "CANADIA equally distributed, a good portion of it would be found on every one of the $3,000,000$ farms in this country. The demand increases every year. This is evidence that decides beyond
doult.

The Canadian farmer cannot be forced to buy "CANADIAN" FENCE. He first investigates,
then buvs on his own judgment. He then proves his judgment correct by experience and buys some more. This has been going on for the last ten years It is going on now, only more so. " ('ANAI)IAN" FEXCE is made in styles and weights suitable for all purposes you want the heaviest fence in the worle, the "(ANXD)IXN" is the one you will buy. Vou sou don't know him, write us and wewill tell rou where to find him.


The above chart shows you the amount of "CANADIAN" Fence required to enclose fields of various sizes and shapes


In FENCE, the cost, the strength and length of service, other conditions being equal, may be fairly measured by the pounds of steel per rod,

THE CANADIAN STEEL\&WIRE COMPANY

LONDON, ONTARIO, MARCH 11,191 .

## EDITORIAL.

Clean the seed once more. It will pas.
First good seer
then a good crop
The farmer increases his production, and the manufacturer increases his profits.

If talk would produce crops Canada would grow enough in 1915 to feed the world.

There is a good crop of advice for the farmer
this year. The production of this commodity
has increased wonderfully
A real blockade has been started, not by a few skulking submarines but by a fleet which fights Some of our readers are asking why the British authorities are not buying horses in Canadda, where, they hold, th
suitable animals for sale.

A government member of the Federal Parliament. in dehate the other day, believed that if the patriotism and production campaigners, from whom so much is heard, would devote themselve-
to prayer they might do almost as much good.
"I can assure the House that, with all the knowledge and experience pained by the GovernHent, we never were more contident than to-day
of the power anml the will of the Allics to achieve ultimate victory." What Premier Asquith says istimate victory: What Premier Asquith say:

Take a handful of cleaned seed, hand sort it and see how much of it is really good seed. We seed being offered for sale, and he discarded over fifity per cent. as unsuitable for sowing. Try it cleaning is necrssare.
a manufacturer member of parliament wants the government to have "supreme control" over
the price and "xport of foodstuffs. He surels "ants to aid itr increasing production. How farm implements and machinery? It is time it phay fair with the farmer.

No doubt some of those anxious to control th: four cents per pound on foot to see beef sell for froducts in proportion. After feeding expensive oi the other fellow farmer would be, in the eve. if he became ancious to comply with such a re-
nuest
Basiner his calculations on the possibilitit
taken into account by responsible British states he disposed to spuirm over the new war taxes that even with them life would be vastly easie hich the human.. than beneath Kaiserism, unde hat compuereyl winlding by force what the swor endurance.

The Patriot's Double Duty.
 aon of The (ireat War, to this consiction oh ion the growing desire of mankind for som adequate recomperse for its stupendous sacrific Thanks to the publicity of the printing press the harbarity and hideous reatities of war were neve perceived is the hurden weend wate pirs
 meamer into the public conscience as nothin else coulch He dingrocio its camber as contite inordinate ambilion for world fower ber military force and the greed of armament makers. But an American newspaper of world wide remut with brutal frankness describes the precipitator of the conflict as the greatest murderer in alt history. The innocent as well as the guilty
suffer the consequences of the strife in which Great Britain participatss, clean handed, for the ake of truth, honor and humanits. Its horrors however, should never be minimized nor co-erel ip, as their recognition will facilitate the bus hess of statesmen at its close in providing ma chinery to prevent future repetitions. In the ven thor firs a tion of which he candidly recognizes ho ne
 fiect The real ingtigators of war are mino is. hut they are cratty antocratic ant mower ful and will he varius aemences if permittod continue to fool and shackle humanity under the oke of militarism, one of the most relentleci nd burdensome survivals of the law of the fungle. Once brought to a decisive finish, thi people must recognize. in fact th is should recornize now. that two wavs open before them. me the perpetuation of the old system out of was lik that in which Canada as ravt of the British Empire and the United States have () walk. It is for the perole to av which course is to the taken. Are the powers to go on reating monster armies and navies, a fow aimb ing to outclacs all the 中st, or rancing then, seves in iealous combinations only to repeat at
come future time a still more gigant'c orgie of blood" Some day a congress of statusmen will assemble to conclude the terms of weare after the Out of that conclave why not pyolw a real in ternational court to kive effect to a wider alliance of world powers against ant augresson of the common wace? This in effect is what Mr. Wells suggests, with an international miliWells condemns, and we believe rithtly, secres: diphomace, secret treaties, and sumper allances encendering intrimue. suspicion and imalonss and rats, so-called diplomats and war lords, fasten military systems uron the unofroming mases and ernational court would be a wholesome success wherober the destinies of millions of pophle are at the mercy of patronage-created officials who mas he both tricky and incompetent or both.
This war is a sufficient proof of the discredited and hopeless futility of old-time diplomacy. Sup- crop and a good crop is genera:ly made up large and hopeless futility of old-time diplomacy Sup- crop and a good crop is gencra.ty made ap arge-
plementing the international court an aticient is farm-yard manure, and above all things re

Consular and tratu nemencs service can verform all
 Muncrercial ant other relat ionss. Thic daylight o fihe sluwery, and will pawe the way to something
 more sane that the trlhunal of hlood. News papers or politicians, who for party ends seek
(1) perpetuat old and dicious systems that have culminated in the most coiossal scourge of history cannot be regarded as other than enemies of mankind. If sincere, them they are the mis guided advocates of doctrimes for which Kais rism has fallen under the worlts execration. Th press of Canada and every citizen with the futur well being of collent? heart have a patriotic duts to perform in furthering this grea
 hevorion hes.

Stock Sold, Manure Lost, Crops Ruined.
History reprats itself. It has always been no
ticed that when grain and feed advance quickly
to a trigh price, beef cattle, pork, mutton and al weat products just as rapidly drop down and down until they bump bottom. Then when th conditions whiche cause the high price of grain are removed, down goes grain and up goes the when is up the arer is down atevato when one is up the other is down, and vice versa
Weat drops when grain is dear because of th short-sighted policy of rushing everythine that stands on four legs, finished or unfinished, to market to save grain and feed, and because every effort is put forth to increase grain production and reap the benefit of the high prices prevailing Quite logical! But the high prices for grain ar wer by the time the grain is produced in abun dance and it is down to its lowst level, while at the sambe time the stock has been' sold and there is a scarcity and up goes the price of meat It is a nice little fortune whed wittr the odde This has a serious side. High-priced grain and chear; meat causing a cleartne out of feeding and chear, meat causing a clearing out of fecring numbers of live ctock the emaller the cumatity of manure. The less grain and "rich" feed fed on the farm the poorer the quality of the manure It means less manure, and the smaller quantity is of poor quality. It is manure and other fer tilizers that make crops grow. Farm-yard manure is the chrief of all. U'nless the stock is kept, and we know it is being rushed to market there is bound to he less mant food returned to the soil in the form of solid and liguid excrem nt from the stamies, the cheapest and hest form in which the come comerciet fertilizate he whese chanere is mathe these wilt ertilizers. ho mioss a mon these wit herdingly cordingl

Sall fertility is a bir question. production depends on it and it depends largely upon manur ing. The difference in the crops orr a farm upon which large numbers of well-ful live stock are kep and on one where the grain is all sold off as raw material is all too well known to reaters. "hen the stock goes the crop goes, and wien the crop go's the profits are gon". et


The Farmer's Advocate AND HOME MAGAZINE.
the leading agrictlotural

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\begin{gathered}
\text { Published weekly by } \\
\text { THE WILLIAM WELD CoMPANY (Límited) } \\
\text { JOHN WELD, Manager. }
\end{gathered}
$$

Agents tor "'The F

## arme Adrocate and Home Journa Winnipeg, Man.

The farmer's anvocate and home magazine is
published every Thursday. pubished every Thursday.
It it impartian and independent of all diques and parties,
handsomely iflustrated with original engravings. and fur-


 In advance.
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 THE DATE ON YOD
eubbeription is paid

 10. LETTERS intended for publication should be written on CHANGE OF ADRESS-Subseribers When ordering a
change of address chould glve the old as well as the new
P. O adress.
2. WE INIITE FARMERS to write us on any agricultural


 13. ADDRESSES OF CORRESPONDENTS ARE CONSIDERED

$\qquad$
member that just so sure as we have dear prain and cheaper meat now will we have cheap gra

Should Plant Food Be Taxed ?

now these, along with the mixed or manufactured
materials, are subiect to the jump in duty. The question arises, should plant food be taxed at any time, much less at a
effort is needed to increase production? Soluble plant food is absoiutely necessary, and the most to be increased in one or two years. In Germann, we understand, fertilizers are considered preferred freight on the railroads, and the Government is said to furnish free tarpaulins to cover the material shipped in operr cars, because of a scarcity of closed cars. Great Britain has farmers by financial aid to buy fertilizers. Even the United States with its high tariff policy admits plant food duty free, and Canada is now accused of being the only country to tax plant lood. We cite these as instances of the importance given to these materials in other coun urging not more acres hut more bushels per acre urging not core the fortilizers it would seem that the application of fertilizers should be encouraged. They form one of the
corner-stones in the foundation for bigger crops We are told that this is as much a war of food as it is a war of guns and ammunition. Should not all our efforts be put forth to get that which means so much to all, viz., food? The plant must be fed before it can feed live stoc': and the human race. This is the situation, and in all rairness it would seem that the new tariff as it duty removed. There is at least nothing to be gained in taxing the raw materials. Tankage is practically the only raw material produced in plant food, and it should not be legislated against.
While on this point we might also mention cottonseed meal and cake. This was formerly free, but is now subject to the new impost. It is
difficult enough, feeders know, to feed stock at a profit under present conditions and cottonseed meal has helped them out some this winter, but between $\$ 2.40$ and $\$ 3.00$ per ton. This means that it will cost the feeder just that much more to produce dairy products and meat, and yet he
is told to produce more. Encouragement is in
order. Cottonseed meal is not manufactured in Canada. Even the "dumping clause" in the tariff has no application to this material which seems that there is room for reconsideration of
this item. We point out these defects that our readers may see how these important items affect them,
and in the hope that for the good of the country in increasing the production of food for Canada, this struggle, the Government will see fit to duty free. There surely is sufficient argument of plant food, particularly in the raw state. .Ie crease production and help them to do it

the Purple Finch, but higher pitched, and more piping than warbling. I located the singer and ing it found it to be a female. I have only once since heard this type of song and it a apain once to be a female, so that this singing by the may not be a common occurrence even in this species.
A bird which is common this ore Prairie Horned Lark. This species may be recognized by the black crescent on the throat and the two ear-like tufts of hlack feathers on the head. It is most frequent along roads early
in the 'spring, spreading out over the fields as the snow disappears. This bird is not a very old resident of Ontario, as it was first noticed in the province in 1868, having spread from the
West as the forests of Ontario gave place to fields. The snow of early spring reveais tracks of
many animals which are not abroad during the winter. One of these is our little black and
white friend of the evil odor-the Skunk white
Skunk rend of the evil odor-the Skunk. The
retires to its den in November and sleeps until early spring, then it wanders forth "seeking what it may devour, and it has to do a good deal of wandering, as things to devour are
not very common at this time of year. The extent of these wanderings are written in the snow. In their search for sustenance they tear into
rotten logs after hibernating insects, they dig out meadow mice from their retreats, and though we do not usually associate the move-
ments of the Skunk with speed they in some manner manage to catch rabhits. As the season
adrances the food available increases rapidly, insects of all kinds appear, families of mice and shrews can be dug out, young rabhits furnish hany meals, and nests containing eggs or young Skunk lives mainly on insects and mice, and in pests way renders good service in keeping these many mammals, it does hoth harm and a greal it is most probable that the good it does in de stroving mice and insects outweighs the harmit it
does by eating birds' eggs and ycung birds and in an occasional raid upon the hen-yard. The main interest in the Skunk, of course,
centres in the characteristic scent which it emits. centres in the characteristic scent which emits,
The Habitant calls it "la Rete , puante" (the
timking heast). The "squirt-run", which gives stirking heast). The "squirt-gun" which gives
the Skunk such adequate protection consists of two glands, the ducts from which are usually truded for action. The rectum, but can be pro-
can be squirted form these glands and can he sent in any direction, so that a Skunk can "Shont" forward as well as hackward. Th-
less apmoached very suddenly the Skunk gives
three three warnines hefore it fires, first by stamping
the feet, secondly by raising and spreading the tail all excent the tip, which droons downward, and thirdly he raising the tip of the tail. This
fluid is so powerful that it causes temorary hlindness if it reaches the eves, and a choking
sensation if it eets un the nostrils so well is sensation if it cets un the nostrils. So well is
the effect of this fluid known be miacticalle all animals that, even when rendered desperate by
mincer they hecitate to attack a Skunk. Young Huncer they hecitate to attack a Skunk Young
animals may attack a Skunk once, , hot the performance is rarelv. repeated. Consenuently the
Skunk is the most fearless of animals, it does not need smeed, it does not need cunning, and its markings which are a dancer sien to all the world. Tt is sometimes said that the skunk can

Direct tavation, as applied by the Provincial Government to meet the exigencies caused by the war, serms to he the fairest way to pet money. pave on his assessment. The chance for unfairness comes in the assessment. It is sometimes true that the poor man's cottage, or the workwhile the man who lives on a $\$ 200$, non estate gets. off with an assessment of alout one-sisth or onehaps there is no tax which will arouse so much harsh criticism as a direct tax, and yet direct
taxation is the fairest of all forms of raising

The man whe is actually engaged in increasing the production of his fields asks for plant good reasons why. A grood cow or heifer is not worth much on the market. Look her over; weigh the matter,

## THE FARMER'S ADVOCATE.

MARCH 11,1915

## THE HORSE.

Make increases gradually, until at the time
animals take the field they are on full feed. It is time to begin increasing the grain ration Sor the
work.

Save plenty of straw for bedding for the work horses during summer. The hard-worked worimal
gnork.
and
Continue the feeding of roots up until the time he horses go to work, They will help keep the digestive system
the grain ration. $\qquad$ -
Give the in-foal mare the advantage during pring work. Many practice at two or three double-tree ad ad putting her on the tongue if
nches.

It is folly to feed on straw and roots only, and then start the horses on a galion of oat. ach three times daily the day seeding opens.
eahis is responsible for digestive troubles which rove costly. $\overline{\text { to worked in seeding can }}$ Colts which are to be worked in seeding can-
not be expected to do a full day's work in the not be expected to do a full day two colts it is good practice to wo
gide an older horse

Give the coits the lightest of the seeding work Ghey are far more able to do harrowing than they are to take their places on the cultivator o
disk. Where they are to be used on the culti for do not put them on the tongue
The first day in the fields allow the horses $t$ stand for a few minutes at frequent interval. Remember they are soft, have done a danyer of
through the winter, and there is a der through the emerecially if the
over-doing them, especial
little breeze blowing.
Be careful in watering over-warm animals Some will stand it, but many will not. It is
good practice to give them a little water when good practice to give them a little water when
coming in from work. and allow them more when coming in from work. and allow them more when
going out again. This insures against their tak
ing too much at once.
Give the coits that are going to help with the
seeding this year for the first time exercise in seeding this year for the first time exercise in
harness as often as possible. Iet them do the light team work around the farm from now until
seeding begins. They will then be much more fit seding begins. They will
when the hard work comes

Raise the collars off the horses' shoulders fre quently, and with the hand rub down the shoulder
well. This may be done when allowing the well. This may be done when allowing the horses to stand for a moreath of fresh air. prevent
cool the shoulder, remove the sweat and a
to a considerable extent, scalding. Many a case of colic has resulted from fredin Many a case of colic has resulted from feeding
too heavily on grain during the first few days on heavy spring work. The work is a strain upon
the animal's system, which weakens it and places it in no condition to handle the extra
trated food which is sure to cause trouble.

Look to the harness and see that all parts are in order, and that they fit the horse which is
to wear them. Where possible avoid changing harness from one horse to another, and always provide a special collar for each horse. A collar
which fits one animal well is not iikely to fit
another to so another to so good advantage.
oor spring work, to use the curry comb. It is almost as important as feed, and its use should
not he left until such time as the horses are actually engaverd in the seeding operations, al-
though it is very important that they be cleaned each night and morning then.

It makes extra work, hut it is good practice to remove the harness while the horse is feeding
at the noon hour. It gives the sweating collar and all other parts which are in contact with the ool off, and also gives the horse a chance t. rest from carrying the weight of the harness and
allows him to cool down more giclly
ting British officorct clains that in place of shutting British officers out of Canada and sending Imperial arme they shovid he encouraged to huy
in this country, stating that there are thousands fill the avilate horses here. and horses which would fill the hill, hut there is no cemrand for them.
The horse market is very slow, and horsemen
would welcome any move to

The Demand For Remounts While the European war continues and transAtlantic traffic is overe the demand for horse flesh
in America will continue. At the present time it
is understood that the buyers of six different European countries are scouring the Uiflerent
United
States for mounts suitable for cavalry and artilStates for mounts suitable for cavalry and artil-
lery purposes. When the war heran the call was
for light horses ranging from 14.3 to 15.1 hands lery purposes. When the war becran the call was
for light horses ranging from 14.3 to 15.1 hands
high, and an American paper states that the prices paid then at the point of inspection anged from $\$ 155$ to $\$ 165$, but later on the
figures rose to $\$ 175$ and $\$ 180$ and the inspection became more rigid. These figures appear to be rather low compared, with those authentically
given in "The Farmer's Advocate" for Feb 25th as paid in Great Britain; and when the averace life of a horse in the campaign is reported at little over fifteen days if substantially sound and effec-
tive for the admittedly trying purposes required, it would seem needless to insist on absolutely faultless animals. In the case of mares it is a distinct loss to the future breeding operations of the country that such should be drained
away and the inferior sort left. In the
Tnited States prior to the present time, Tnited States prior to the present time,
France and England have been the heaviest
buyers, hut the prospects of more active buyers, hut the prospects of more active
field operations in the spring and the use
of more horses is stimulating the demand from field operations in the spring and the use
of more horses is stimulating the demand from
those named and other countries. It is said that the type of horses taken are not equal to
those demanded as remounts hy the American those demanded as remounts hy the American
Government armv service. "When peace is finai-
usage. The farmer usually rams the manger fun of hay in the morning, feeds his oats at the same time, and leaves the horses for an hour or field. At noon he again feeds hay, gives them their grain, and at night crams all into the manger that he possibly can get there. It would hay in the morning no hay at vory light feed ond give the usual big feed at night, relying on oats or a grain mixture only, for the roon feed. It stands
to reason that a horse will work more easily to reason that a horse whre work more easil will not be so hard on his digestive apparatus to simply digest and assimilate his gailon or so o oats as it will if he must do his hard afternoon horse rests better. We know at least one farm where this system is followed, and the horses are kept in good condition throughout the entire season. It might give other readers the benefit of their ex perience. A little discussion of feeding horse

## LIVE STOCK.

## so that plow up too much of he old pasture

age during is a danger of it causing a short prove as profitable in grass as in any other
This. of course. depends upon circumstances. vill be even greater than it is at present, but

not pay foal. They will
longer, but hy all means breeding and individualit. ndicate that they are able breeding animals o profitable feeders later on
There is one place that creased production is mportant, and that is in he growing of coarsa
feed for live stock. More corn, minre roots, a nd
more clover hay is a good motto for the stockman. ill soon have more stock will soon have mo There is fairly good oney, as a genera thing, usiness, but it is getting flim the season now for selling these at a goor
price unless extra large at lambs are offered. It might pay better to carry The stockman who reeding stock at the presnt prices of grain and roughage as possible. Leave a larger acreage for corn this season, and put
it in better than ever bebetter horse will reauired. High-class ani- fore and follow this up by more after-cultivation mals will be wanted for agricultural and comtion of the boses, as well as for che rehabsitasince it takes time to build up the horse stock of any country the demand will continue for a
number of years. There is little fear that this
num number of years. There is litte fear that this exportat our own
or that
mands will suffer.

Remember when seeding this spring that a will grow more grain for feed than any other mixture so far experimented wlth, or either grain sown alone. This is important, and where fol-

Hay Twice a Day
$\qquad$ Never in the history of Canalem as it is at the present time, and horse-owners are wondering just how they can use therses during the spring work. We believe it would be a good practice the liverymen and cartage companies in the feed ing of their work horses this spring. As a gen-
erai thing on most farms we belieye that horses get too much hay, and hay is valuable We do not think it would require very much, if any, in-
crease in grair rations to carry the horses over the spring work in good condition and omit the
feeding of hay at noon. Iivery horses and horses working at city cartage work are seldom fed hay at the noon hour. They go into the stable, get
an hour to rest and munch their ordinary feed o oats, and these horses are fitted to do the
hardest of work and to stand the worst kind of

The demand for canners and cutters is so
prisk that we fear many of the good breeding old matrons from the herds in Canada will be sent
la the butcher before they have completed their period of usefulness. It is a good thing to get rid of the culls, but it is not in the interest of stock breerding to dispose of the tried and proven
females when they still have several years profit in them as producers.

We still believe that it will pay to finish the feeding cattle well before putting them on the
market.
One reason why prices have dropped so materially is hecanse of the fact that too much thin stock is being rushed to market. A drover told us the other day that many of the cattle
marketed as finished cattle this spring would surely find their way to the pastures as stockers and feeders to he firrished. If it will pay an-
other man to finish them will it not pay the other man to finish them will it not pay the

## A Sick Cow

 in her career of has suffered the first chec A couple of days ago it was noticed that she was off her feed-that she only nibbled at the blue grass when it was put in her manger.
Knowing that in her normal condition she is an incarnate appetite - 'A belly that waiks on four could not imagine her refusing to eat until Death ter seriously from the beginning. I also notice
that she did not take kindly to water, but stood ion it a sle cow. After a hasty consul and I commandeered all that we had in the solved in about a quart of warm water been dis some further advice and added to it, for her tomach's sake, a couple of tablespoonfuls of a and beast, and paramount for poultry food for man or all iils that any kind of flesh is heir to, might used internally or externally at any time of the day or night without regard to the phases of
the moon or the signs in the almanac. All nade of red pepper, red whiskey and all the other stuff that was once given to an ailing colored he dectand when she was offered a second dos lone made up ma mind mever again to take nut this mixture to the salts I put it in a quart bet tle, called for help, and proceeded to put thel red We did the trick in the most approved fashion
caught her by one horn, slipped my thumb and inger into her nose, and elevated the head so her throat. After the last drop had gurglex chain, lashed she shook her head, rattled he coughed and sneezed and showed other unmistak eem to appreciate and discomfort. She did no after' I had thought it over
realized what she was objecting in her place. What would I want to do if any woulci want to spit, oi course. That wat Wanterd to spit, but the limitations of a cow an abte to do it she would spit like a cat. I felt for the best I didn't do any worrsinge. While




Smpaction of the Rumem

Value is Determined at the Shambles.

$$
\begin{aligned}
& \text { asted as to where an animal places the werally inter } \\
& \text { acquired so long as an additional weight is is no- } \\
& \text { ticeable, yet the up-to-date stockman no } \\
& \text { realizes that a heavy animal must dress }
\end{aligned}
$$

$$
\begin{aligned}
& \text { realizes that a heavy animal muste dress out } \\
& \text { light percentage of offai in order to command tho }
\end{aligned}
$$

$\qquad$
of the sheaves were mouldy. As the tops of ing that the brutes would know enough not to do to bank on the intelligence of even the bright est cows. The farrier agreed that that had
probably started the trouble, and I felt some what disgusted with myself. When I didn't know enough not to fred such stuff ne d not expect
the cows to know enough not to eat it. It was
a wonder that more of them were not ailing. After the farrier had ". Slled the quart bottle doses I have had to take mys.lf when my.
stomach has been out of order, we went through the exercise of holding up her head and pouring
to spit that she almost did it and I wisher that
she had been able, for I know what nux vomica
and such stuff tastes like. The farrier then mixed a bunch of powders to be given her in a
bran mash, evers night and morning, and judg-
ing from the was she
$\qquad$
$\qquad$
$\qquad$ A Fruitless Experiment With Swine
rull through all right. 1 guesh she is going to The farmer who investigates and experiments
三
arch 11, 1915 THE FARMER'S ADVOCATE.

Some of the reasons why limestone siftings
were, are and always must be unsatisfactory are
Limestone that makes the best stone for road making or for road repairing is, or should be
high in silica (sand)--such stone is poor stone for use upon farm lands.
The.
large.
To-day in Canada lime is avallable in three commercial forms. Burned or calcined limestone and treated with water, known as hydrated lime; fine, crushed limestone, using selected limestone
which might be well called lime dust. To mol the form of lime most advantageous is necessary to understand and know the different qualities of limestone found in the vicinity of the farm where it is purposed to use the lime. Lime stone so called varies as to quality, within a
very wide range, varying not only from outcropping to outcropping, but also as to the several lime is the constituent of limestone required the farmer. In limestones the percentage arbonate of lime may vary liss than
imestone. For some industrial purpose limestone. For some industrial purpose
magnesia is as valuable as lime-hence certain quick limes sold on the market contain quite a quantity of magnesia. The percentage of carbonate of magnesia present in so called limestone may vary from less
whilst usually of no value to the farmer when applied to his farm lands, is most detrimental when present in limstone, that is to limestone is to be used for dust, (because of the great wear and tear set up in the pulverizing ma
chine), may be present in limestone all the way from one-tenth of one per cent. to over thirty per cent. Therefore, it is necessary that know-
ledge should be avaiiable as to the quality of he limestone rock proposed to be used The lime burner, the maker of the quick lime ing a total of combined carbonate of lime and magnesia of less than ninety-five per cent. Unfortunately it is lime and not magnesia the farmer requires, hence it is not safe to purchase
calcined lime without guarantee as to its lime contents.
Given a limestone containing over ninety-five calcined limestone or quick lime, one and one-haif
 stone or lime dust give the farme
equal results as to lime contents.
$\qquad$ carbonate of lime, it would be necessary four tons of lime dust in order to secure equal quantity of
ton of quick lime.
Quick lime is manufactured by burning lime stone in kilns, during which process carbonic acid The quick lime when exposed to the air falls to the air the quick lime readily absorbs car-
bonic acid out of the air, and in time returns to a similar chomical condition that existed before the limestone was calcined. The physical condibefore calcination occurred, the limestone was a
hard, compact rock, the air exposed quick lime is Hydrated lime is fresh, calcined limestone (which may or may not contain magnesia)
crushed to a fine powder by mechanical means, to which is added a certain quantity of water,
as much as it will absorb without hecoming
stick - the powder is passed throurh a very fine sieve, with the result that iime, in this form, is
offered in the very best possible physical condilime will also absorb carbonic acid gas, but this mechanical means to dust should geduced by
chemical results when applied to land as guick lim or hydrated time, but to do this as quick lime must he
crushed or disintegrated to a fime powder in order quires a treatment of finel-a-powdered limestone
about each five or six vears, according to then anout each five or six years, according to the
rotation employed and the quantity that should
be used should be two tons per acre. Retter ton much than too little. The hest method of ap
plying the lime dust is after the slage corn or the root crops have heen
taken off, and the lime dust should he cultivated
in about three inches. This application should

How to Make Cement Posts.
Editor "The Farmer's Advocate" : I have been making cement fence posts, on a some distinct advantages am sending you this account of it.
The posts are made in a solid block, cut with soft paper between layers, and between posts with tarred paper, or one ply ready roofing. In this shape they are so easily protected and watered,
and these are the hard points of cement post making.
For a bed of sixty posts, six inches square at butt and six by four at the top, it would re
quire a form five feet wide and thirty inches high. The first post is made by using a spacer six inches wide at butt and four at top, which is blocked six inches from the edge and a strip of tarred paper the same shape is put inside of it. About an inch of cement is put in and smoothed mold is filled and tamped to within an inch o the top, when the rest of the reinforcement is added and the cement is continued to the top, when it is tamped and levelled off with a trowel The blocks are then changed for another post, in place About an inch in and the first spacer is raised a little and the reinforcement for the second post is put in place;
a little more cement is put in and the first spacer carr be taken out and laid on top of first post to protect it when the filling in is continued to the
top as in the first post. This plan is continued top as in the first post. This plan is continued
until the ten posts are in, when the layer is covered with soft paper, and the next layer is
put on from the front, the two layers making ten put on from the front, the two layers making ten
inches in height. When this is repeated to the height of the form the sixty posts will be made. easy to cover them with straw, and watering wili be very simple, and being so protected in bulk
they should every one come out perfect. No provision is made for fastening the fence on,, as I helieve the method in which telephone
wires are fastenled to the insulators is the best for cement posts, for which about four wires With this plan posts of any size may be made. Mine were made seven feet long by five inches and were reinforced with four full length No 9 crimped wires, and another doubled and put from
six inches below the ground up, making six six inches below the ground up, making six
wires at the weakest part. These posts cost for
cement ten cents, and for reinforcing five centa cement ten cents, and for reinforcing five cents
each. I have given directions, however, for one inforced with light, ancle steel will be post re nent thing, and the cost will not be prohibitive, will make a superior post. HENRY ATKIN.
Essex Co.. Ont.

## Telephone Troubles.

Editor "The Farmer's Advocate":
In the newspaper reports of several of the ad
$\square$ we find references to the telephone subject, and
also to the willingness of the Commission to take over and operate the telephone systems in this province if it is the wish of the people.
According to the latest Ontario Government bulletin on "'Telephone Systems'" there are at 450 different systems, some under municipai and many under company control, with from three
phones to several thousand each. Those who know the conditions to be told of the difficulties that ariso require state of affairs. Lack of capital in many cases is the principal trouble. In very many instances
the directors and boards of management have
neither the experience nor the necescary technical neither the experience nor the necessary technical
knowledge to make a success of their undertakings, and the lack of sufficient money and the hibits the employment of even one expert tele phone man. Results-general confusior, and in
efficiency in many ways. The local systems have served their turn and the value and convenience of the rural telephone ready for something better, even though it may Power Commission are willing to take ovect re-
orkanize and operate the telephonee systems of
Ontario, the directors, sharcholders and subscribOntario, the directors, shareholders and suhscrib-
ers of the different lines, and the public penera-
ly, should be more than willing to allow them to undertake the jore, and wish them as areat a suc-
cess as they are making of their various power cess as they are making of their various power
schemes.
Flgin co., Ont. Flgin Co., Ont. Figatite.
The difference hetween a good and a poory
lamt, crop depends largely upon the attention The difference hetween a enod and a poor
lamt, crop depends lareely upon the attention
which the shepherd cives at this season when the
ereater number of cwes aris weanite the

## Willing and Satisfied.

 I thought it would interest most of your man ers to hear the "Story of an English Immigrant" the came to this country to learn farming, with and settling down to the life in rearing a farm arrived in Canada on July 19th, 1914, from England, and lost no time in looking for farm work. Searching out all the labor bureaux Montreal and registering myself on their books It must not be supposed for an instant that ad to emigrate; on the contrary, I was chief cierm the offices of a London firm of good reputation drawing a good salary, and giving entire sation faction. No ! It was the desire to live an open-air life, free from the environments of anunhealthy indoor sedentary occupation. unhealthy indoor sedentary occupation. I realized land," and accordingly made up my mind that I After a Montreal on August 1 st. I was first and started work in a short time could milk almost any cow and the latter 1 must say that, to me, who for nothing heavier than a my life had wieided was certainly arduous. Yet several occupation after this saw me shovelling gravel and sand with the
sweat rolling off me, hands blistered aching and back near breaking. By sheer will power I have got used to the life and since
then have assisted practically all the neighbore in their threshing. I have for the first time in my life handled the axe, fork, spade, learned to
drive a team and to feed and look after coth in fact everything that is usual to be done be in fact everything that is usual to be done be
tween August and the present time. I have learned, and my verdict is that there is nothing like it. Certainly there are times when one feeis a little discouraged, but they soon pass when
one considers that the healthful life is one considers that the healthful life is worth the
hard work. I have put on weight since my arrival and am much more robust, besides bene fiting muscularly and also in knowledge. There
is one thing I had almost omitted to mention, which is, that I have a most reasonable boss, made allowances for any mistake etc. He is mare of justice, infegrity and common sense, and I have him to thank for my success so far. I
might also add that he is an old contributor to your interesting pages. ant young fellow who is placed as I was, and the same time to smile when thrings go wrong, do his best by his boss, and let nothing turn him from the pursuance of an industrious, healthy
life on the Canadian farm. Wasted Wood Ashes.
Editor "The Farmer's Advocate":
I read the other day ${ }^{\text {U }}$ Up to a recent date Canada had been drawing upon Germany for about 8,000 tons of potash annually." Perhaps
when the companies who purchased the products of the Strassfurt mines find their supply cut of they will awake to the fact of the waste of wood ashes in Ontario. that the farmers who do not utilize wood ashes are the ones who do not else they believe that the fertilizers are too expensive when compared with the results obtained. It is this class who will gladly part
with their ashes for the trifling consideration of a broom, a few bars of soap, or some weak tion. Much has been said about this in years past, Much has been said about this in years past, "ash-cata" could do a good business with the improvident farmer who will not he convinced of
the vailue of ashes. This sounds impudent toWard the farmer, but, coming as it does from a
farmer, that ought to take the sting out of the accusation. Granted that wood ashes are not hetter use than I have seen done on my own dumped round some apple tree until the tree
gave up its life in despair, though the tree was
murdered throush murdered through ignorance, not spite. Again, if dray wond ashes was sown hy the manure apreader on an acre of clay, loosened or be grown thereon refused to thrive. and the peas
What we farmers want is not "approved" sug. grown thereon refused to thrive. "approved" sug.
What we farmers want is not "he
erestions, hut proved tests for the nse of our omp
fertilizing products. You answer that Goverty.
ment statistics are sent out in hulletins yearly.
maRCH

## ture

march 11,1915
nomes. They are too bulky and formidable for the average, tired farmer.
How do we know unless we have studied chemistry of farm proots and clover especially'? needed for potatoes,
How do we know the particular kind of soil
Ho liberate the that needs certain applications
soil potash spite of his skepticism? ment of native resources, and 1 m convinced we aave from our eyes" and we would open them lall from ouse of our own wasted products. Prince Edward

Most Serious Situation-Agricul ture Throttled-Consumers Burdened.
Editor "The Farmer's Advocate":
When, toward the close of the past year, you
to what When, toward that I should add a word to what
suggested that being said respecting the duty of farmers,
was was the lime of greater production, I then felt
aloat we were receiving such a plethora of advice
that -good, bad and indifferent-from all imaginable "silence" perhaps "was golden"-not that I do
not realize, as, in fact, all farmers do, that, in
the midst of this terrible world struggle-a the midst of this terrible world struggle-a
struggle between the great principles of freedom,
and liberty and a hrigher civilization on the one and liberty and a higher civilization on the one
hand, and that of a chainer militarism, on the hand, and most pressimg duty of the moment, for
other, the mor
those who remain at home, is to strive to the those who remain at home, is ward the production of "more than usual."
Such advice is good, and worthy of the widest publication. One impression, however, appearing too often in your varied correspondence-chat the to war, up
Canadian agriculture-shouid be corrected.
To any one who knows that the live-stock industry is the very backhone of a permanently
successful agriculture. and who stops to think that the commercial prices of all kinds of finished
live stock are away below what these were a twelvemonth ago, this impression will at once be
dispelled. And again, the extremely high prices dispelled. And again, the extremely high prices
of grains, in proportion to the prices of the
finished products in all kinds of meats and staple foods-always a most undesirable factor, in tending to discourage the holding of live stock, with
the result that too many farmers will almost sacrifice these and turn to the growing, for sale,
of wheat and coarse grains-all tend to make the
situation, from the standpoint of true agricuiture, most undesirable indeed. As we noticed the seeming passionate interest of all classes-farm-
erg, business men, artizans, workmen, great
captains of industry, masters of finance, and railway magnates-all veling with each other, and
liarly burning to relieve themselves of the advice -that the unprecedented financial and economic
situation could only be relieved through the further developments of Canadian agriculture in be: "Development of Canadian agriculture-Can-
ada's only hope." As we noticed all this were we not iustified in being buoyed with the hope
that the day of deliverance had come, that the
strings strings which had held the millstone would be culture would be allowed to enter into the pos-
session of its own in this countre and this hone
was even further encouraged by the great hanner
of the Government prorrem all of the Government program auspiciously inaugur-
ated by the Ninister of Agriculture un-
der the heading - Patriotism and Prohave believed that a any this one in to his senses
agent-the veiled forerumner-of the diatoolical ence
actments which appear in the new customs tariff
bill, announcod thy the Minister of Finance in his bill, announced bv the Minister of Finance in his
budget on February 11 last.
While these tariff changes are being made, pre-
sumably as a war revenue dollar of the revenues to be ohtained from these
dources goes to ment Canada's war burdens. In
bis budpot his budget speech the Finance Minister made it
piain that every dollar of the $\$ 50,000$, m0 voted
last last August and the s100, ooo, ooo now heing
askend to prosentut the war, is hing met hy the
British Government, to the arranged later hetreen the Rritich and a Canarian Governments.
The enactments simply mean (anart from the
turther
 bound hand and font to the Big the whole, are
countrercts, of this
der orresent yet the surgestion is made that, uneer present war conditions, we should just grin
$\qquad$ Ore, to reman cilloth whille of these further. Throrene
are being fastencll uppn the Canadian people, and

THE FARMER'S ADVOCA'IE

## more particularly upon the farmers and workmen

 What is the present situation? ernment tar the matter for tor ratio upon the upon flour, sug August last) some few agricultural etc., let us first deal shortly with the prices of flou prices Canadian consumer. The present retail Western Ontario are from $\$ 4.40$ to $\$ 4.60$ in cwt. While I have not at hand the comparative Britain, yet, no doubt the same difference still prevails as did one and two years ago, when itwas known that at was known that at the same time flour was be-
ing sold to the retail merchants in Winnipeg for $\$ 2.90$ per lcwt., the same quality of flour was being laid down at the doors of the co-operative
societies in Manchester and Glasgow for $\$ 2.50$

The committee of the Toronto Board of Trade (report fali of 1912) found that, at the
same time as a certain brand of Canadian flour cwt., it was being sold in Toronto at $\$ 3.00$ per per cwt. wholesale, and it must have cost someThe "Montreal Telegraph" reported Sept. 12 1913, that flour was selling as follows:

Winnipeg Montreal London,

$\begin{array}{lrrr}\text { Top grades, per bbl.... } \$ 5.00 & \$ 5.10 & \$ 4.18 \\ \text { Patent, per bbl......... } & 4.80 & 4.90 & 4.06\end{array}$ Bakers, per bbl.......... $4.00 \quad 4.10 \quad 3.60$

These prices show a difference between Canada and Great Britain of about 80 cents per barrel.
Why are Canadian millers enabled to charge home mands in much more than fre artie Britain? Simply because the Canadian customs tariff imCases a barrier upon foreign for of 60 cents per barrel, which, added the freight from foreign points, enables the big milling companies to make this additional charge and put the margin in their pockets.
For purposes of home consumption the Can-
adian people require annually about $50,000,000$ bushels of wheat $=9,500,000$ barrels of Cour at millers of $\$ 7,600,000$ per annum over and above what British market prices would afford. The
aholition of this duty would very soon reduce the price of Canadian flour to Canadian consumers margin in their own pockets. With this margin the consumers of Canada couid pension the 6,791 wages they receive $\$ 3,756,275$, and allowing them pockets $\$ 3,843,725$. Does the milling industry really need this favor? 1911 show :
The census returns of 1911


 Output......................................494,826.00 or an annual dividend of 50 m , on capital in-
vested.
Ts it. any wonder that John Corbett after 28 years' experience as foreign freight agent of of the worst in Canada." Still, at the came
one tariff conditions have bern iargely the cause time tariff conditions have
of the starving out of the small milling plants
of the country to such a degree that while in 1891 there were 2,550 flour mills in Canada, in
1911 these had been cut down to 1,141. Take the duty on agricultural implements. As
it stands to-day it compels the Canadian farmer to pay nearly $\$ 4,000,000$ per annum more the ers, etc., will saddle at least another million and thing more in the public treasury. The same is his iron and steel goods, hardware, harness and
saddery, wire fencing, grass seeds, even cream
$\qquad$
$\qquad$
 Canada
goonds but torts and shors, cotton and woollen whole new tarim unat ment, is the imper, it it , th
that Great Britain is now engaged in such a desperate struggle; that she is fighting for national life, and the continued existence of the financing every dollar of Canada's share in the war; that in the last resort British trade must be the final and decisive source of revenue, to carry the war to a successful termination; and that, but for the maintenance intact of British might be bankrupt, and without the funds eve to buy a pair of useless boots for a soldier; and yet, in the face of such a solemn situation, the Government calmly and coldly imposes an extra tax on the already over-burdo you say that in such a trying situation "silence" on the part of the Canadian, people "is golden ? If every Call adian-railway magnates, captains of industry, and masters of finance included, and not overlooking the paid representation to whom more particularly the agricultural industry has a just right to look for deliverance at this time-if all these men are true to their past utterances, that the present financial economic situation can only be relieved through the further development on the Canadian people should demand that the unjust, most burdensome economic restrictions under which agriculture has for over thirty years been struggling, should at once, along with these additional onerous and proposed enactments, be removed. Cure ever be placed upon a permanently successful basis, and without this all the elaborate educational splurge lately set in motion is simply adding insult to injury, as the more we educate the people the more they realize their true situation and the more they incline to Iy to experience another exodus such as that which drained too much of the very life-blood of Canada during many years of the latter part of he last century. Immigration has already been checked, and the trek from the West has begun.
Huron Co., Ont.

## Counting the Cost

Editor "The Farmer's Advocate
farmers, give to this very important mental cal culation of counting the cost. Nor is it confined strictly speaking to dollars and cents, although that may be the indirect result. But it has an important bearing on nearly every farm operation that comes under our care. It even
the social or home side of rural life.
The foregoing paragraph suggests then three ways in which it is possible with considerable atisfaction to ourselves athers to put on a business of the average farm home : First, thrat which is strictly financial, or in other words, those products and operations of the farm which have a distinctive commercial value; secondly, that which may be termed "daily routine," in which it is almost impossible wht without which no social or home department. Let us then deal for a little on these three
distinctive phases of rural life. In the first place let us consider the strictly financial side, the side that is over-estimated by some and undor-
rated by others. It is a deplorable fact that a rated by others. It is a deplorable fact that a
great majority of farmers in looking over their
incomes for the year neglect to count the cost of production. As has been suggested, by other writers to "The Farmer's Advocate, it would the finished product had cost them. While it is not possible for the farmer to set his own prices
for his produce, it is possible for him in view of the markets prevailing to see to it that the cost
of production is brought down to a minimum; and, thus comparing the gains or losses on the various productions of the farm, it will be much
easier to determine the most profitable lines of production.
This "counting the loss" has still another advantage besides pointing out the most profitable lower the cost, especially in those things that
show a small margin of gair. Is the dairy a show a balance in your favor? Or, are the rethe farm paying for the feed, time and capital factorily suche questions as these? And yet they
are all problems with possible solutions, and the
$\qquad$
$\qquad$

outset, of counting cost, viz,, in the daily routine of work, and also the equipment to do that work.
I would like it to be understood that this paragraph is not given simply to show how we can make every step we take mean so much to us in
dollars and cents, but rather as an incentive to greater efficiency in our farming operations; and to eliminate to some degree at least the drudger
that has always been associated with farm work It is true that a large majority of farmers take for granted that the small cash balance they receive from year to year-and sometimes not even
a balance to be seen-is all the shouid expect, it
is almost is almost equally true that they accept
adverse conditions, unhandy methods, and a gen-
eral eral lack of proficiency as inevitable barriar.
which block the way to more progressive
methods. Under these inpressions which
methods. Cnder these impressions ambition dies,
and as a result we hade the drudgery-valuable
time fooled and as a result we hade the drudgery-valuable little what all these slip-shod ways were costin us. What are they costing us? Let me say
that the first and greatest thing they are costing us is our piace in the community, in our ing us our place at the front of the great army
of men and women who are moving the world But it costs us something more, and that within
our own sphere of work. What ahout the steps we might save in a year, and yet accomplish just as much, if not more than before? This would mean more time for repairs, which would result in our taking greater pride and care in our farm equipment-not so many implements exposed to
the elements from seeding to seeding or from
harvest to harvest. In short I feel sure that harvest to harvest. In short I feel sure that in a desire, and not only a desire, but a will to have and to realize a better condition of things in general in and about our places.
Last of all let us consider the home or social busimess, making money, and other things which are indespensible in their places, yet I consider
that the "home" holdt these other things. The home is a nation build-er-a character builder. The coming manhood is largely determined by home infuence. In fact,
in the mind of the writer there is no power for good or ill than the home. It is here that life is really lived and may be enjoyed to
the full. In many instances the home is meroly an eating house. Possibly in many cases nothing disagreeable is actualiy felt. But there is
the iack of giving a thought to the home as a place above the sphere of business. It is in bring to bear upon this side of rural life the sub-
ject of this article, viz., "Counting the cost." You who are out to make rich at all hazards,
what is it costing what is it costing you? Might I say it is cost
ing you the respect and ing you the respect and love of your home. You
say this is absurd, for am' I not making my money say this is absurd, for am I not makine my money
in order that my family may be sharers in the comforts it will some day bring? Pharhaps
 jority of cases these young people a leave their
homes at the earliest opportunity, and so often
miss the best in life miss the best in life, which might have been
theirs. Again, what is it costing you, you who can Again, what is it costing you, you who can
see no other use for four family than their
capacity for manual labor indicates? Well, if capacity for manual labior indicates? Well, if
you think it costs you nothines, what about the intellectuai growth of the children? Is it not
greatly hampered? Think of the opportunity to
read and impors. the mind that read and improwe the mind that is host yust
because of the ceaseloss grind of work which must S. L. H.
The question which our correspondent has
asked is one of sulticient importance to warrant
pur giving it special attention. smut disicases our giving it special attention. smut distases
of grain cause a much bigger loss annually in
connado Canada, and especially in Eastern Canada than
most farmers believe. Some time ago the I Department of Agriculture collected samples of fall
wheat in Ontario and found that over 50, con-
tained smut. Smut is also very common in spring crops, especially oats, but barley and Smut is a parasitic disease, and the spores athere to the surface of grain and may be there
at time of seeding. The life history of bunt or stinking smut of wheat and the loose smutt of wheat the parasite, during the summer, consists so tine as not to be visible to the maked eye.
While the wheat is heading these threads grow up In the young plants and into the grains, which
swell up and form the smut balls. These kernels. when broken open, liberate the smut spores,
which, as previously stated, adhere to the grain, and may be present at time of sowing, thus With the loose smut of oats the spores are scattered generally before the grain is ripe, though always a large number remain to be
spread over the seed at threshing time. Spores adhering to the surface of thre grain are the chief
source of infection, although growing plants are of course subiect to the infection from spores
that have remained in the soil. The period of that have remained in the soil. The period of
susceptibility of the plant is the very young seedling. Thus it is that the spores adhering to the seeds get such an excellent opportunity of gaining
a foothold in the young plants. They are there a foothold in the young plants. They are there
just when the plant is most susceptible. The only methods of treating these two
smuts which should be used are thr: formalin treatment and the bluestone treatment. Blue stone is scarcely to be recommended on account with formalin. It is not a difficult matter solution made by adding one pint or one pound
of formalin to forty of forty-two water, leaving the grain in this for 20 mins of Cxperimental work at the Ontario Agriculcorapletelly rid the groven that this treatment will
is necessary
is hower smut spores. It is necessary, however, no matter what treatment whatever receptacle the seed is placed into after being treated be thoroughly disinfected with the solution, so that every possible chance of infec-
tion after treatment may be prevented. tion after treatment may be prevented.
It is not necessary to immerse the seed. Formalin of the strencth of ime one pound to seed. gallons of water may be used to sprinkle the
seed. Be sure in this opration that is thoroughly moistened with the solution. It is necessary to turn and re-turn the seed while the
sprinkling is heing done, so that it may be
thoroughly moistened. Dilo the coed thoroughly moistened. Pile the seed and cover
with canvas or sacking. Sects shold le left in
the pile closely coverod for two hourc Suread out well on the harn floor to air and dry
$\qquad$
$\qquad$
$\qquad$
$\qquad$ 20 minutes then hronght out and dried.
soon after treatment as possible. Of course, it
must be dry enough to run well in the drill, and sary to set the drill to sow a little it is neces. acre to be sure that plenty of seed is pur on. per ment is to immerse the seed in a solution treat. pound of bluestone in 25 gallons of water of 1 period of 12 hours. spread the water for a
dry as quicily as possible, and sow as and dry: There is another bluestone treatment of 1 is used for sprinkling the seed, and it thoroughly moistened before crood results can be expectect. However, we do urot favor bluestone,
formalin does the work just as well, and is There are some smuts as the loose smut of not be successfully treated by these method cancause they infect the embryo or kerm of the seed
and cannot be reached by local treatment is a hot water treatment for treatment. There farmer is weli equipped and prepared for all difflconsists in soaking the seed in cold watert. It less than 4 hours and not more than 5 hours, then immerse for a minute or two im hot water
at a 120 degrees F ; ; and then for barley immerse for 13 minutes in water at a temperature
of 126 degrees F .; for wheat immerse in a temperature of 129 degrees for 10 minutes at careful not to exceed these temperatures and time limits, or the germination of the seed may be not effective, and one above 129 degrees is dely useful forious. This treatment is particularsmuts which cannot be of wheat and barley, two or formalin as outlined, but any farmer who his ment, but should resort to this hot water treathis seed with the formalin treatment. to strength. It should contain 40 for formaldegood formalin simple test is to get an ounce of the right stremgth, and expose a sample of this to the air in a shallow vessel alongside a sample of the solution sou have on hand; the solution So far no satisfactory mpthod has been found of treating seed corn for smut. Infection may any time during the growing season after the corn plant has hecomle sufficiently advanced. The the pustules of fighting corn smut is to cut out ripe. Never do as we have seen some practice hrowing them on the manure heap. Burn them If, as indicated by experiments at the Ontario gricultural College, the yields of grain can be
greatly increased by a littic care in cleaning the seed to prevent this disease, surely it is important that every farmer should practice treat-
ing seed grain for smut each year, ard more parficularly in a year when there is so much need
for increased production. Very often we think anr fields are not hadiv infested. A casual glance
reveals little, but if the trouble is talion to go sorch for smutted heads it loss is great wherever infected sed has been
sown. The treatment is simule, formalin it as outlined. the grain or the seef immersed in a fer cent. formaldehyde solution. When

## Produce More

Horne. That we come to the meeting voluntarily for the whole of Ontario; the cultivatable part and at our own expense. This to be a prelimiz
ary meeting to set about the necessary organiz tion. And I believe a good man or cal H. H.
meeting and give his aid would be Prof. H. H. C . who I believe is interested in Dean, O. A. C., who I believe is interested in
this problem. Let us hear from him. I would suggest that the meeting as early a date as possible
[Note.-In last week's issue appeared a report
of the annual mecting of the United Farmers of
Ontario. Our correspondent should get in touch

To the Land-To the Land!


## THE DAIRY

P. E. Island Dairymen Had a Good Editor "The Farmer's Advocate":
The annual meeting of the Prince Fdward The annual meeting of the Prince Fdward
Island Dairyman's Association was held in the
Agricultural Hall, Charlottetown, on February 22. There was a laree representation of dairy-
men present from all parts of the province.
President J. A. Dewar in his amnual address President J. A. Dewar in his amnual address
reviewed the business of the past year, stating that it had been the most profitable to dairymen over twenty years ago, and was very optimistic as to its future. the discussion of the President's address, and all the speakers agreed that co-operative dairying twenty years and moree since it was established,
trad added greatly to the wealth of the province. Irad added greatly to the wealth of the province.
It had enabled farmers to deal for cash, and had It had enabled farmers to deal for cash, and had
resulted in a much improved condition of the
soil soil. It camee out in the discussion that quite a
few of the smalier cheese factories had given up business. but that in many cases their patrons were now supplying cream to centrally situated
butter factories. This course was found to be more profitable.

$$
\begin{aligned}
& \text { Harvey Mitchell, Dominion Dairy Representa- } \\
& \text { tive, in a very fine address, full of instruction, } \\
& \text { and }
\end{aligned}
$$

spoke strongly in favor of all dairymmen keenimgherds, giving instances of where this practice had
been followed for a few years, of the milk perIn this discussion suctr specialists as WalterLee, Andrew McRae, W. J. Gibson, and B. F.
Rrown, gave valuable information atout the
breeding, selection, feeding and care of the dairy
dairy calf, and its deveropmentInspector F. T. Morrow's report on the
manufacturing end of the husiness was encourag-neglect of many patrons to col their miik to a
factory in grod coss in quality as well as quan-
caused a areat loss
tity, especially on Mondays.naper in which he dealt particulary cow from
breeding and decelorment of the dairy
the time the calf was born until it rew up todore Ros. Secretary of Aericulture, somke at
donsideralile length on "Patriotism and Produc-with. J. A. Dewar M.T.A., President: (. F. Mc-
Kenzie, Secretary, and Fraser T. Morrow, In-
spector.
1913 of almost 82 , non. Iniry farmows are pre-


A Law to Save the Trees.
$\qquad$

The Wisconsin Cheese Farmer
Co-operative Venture.
$\qquad$

appeared in "The Farmer's Advocate" last sum-
mer about the farmers in Sheboygan Co.. Wising Senator of the State, who is a cheese farmer, took the matter up and organized the farmers in such a way that they now control the produc-
tion of cheese milk, manufacturing of cheese and the marketing of their cheese. They will be in terested in the sequel to that story which was
related to the, writer this past winter by the manager of the concern (who by the way is a
Canadian). I give the results partly as told me by the manager, and partly as gieaned from
American papers recently to hand. Readers will remember that what caused the
Renator's "dander to riz," was the fact that the cheese buyers had formed a combine to pay cer-
taim prices for cheese and no higher, regardless of the condition of the market. This contention
was admitted hy the present Manager of the Farmers Cheese Federation. In his owre words-
FThe price of cheese was fixed by the buyers beThe price of cheese was fixed hy the buyers be-
cause I was one of them and helped fix the cause "The farmers of Shehoygan Co, acted
price." The
wisely in securing the services as Manager, of one
whe Who knew the "ropes" and "tricks of the trade."
In this connection, we may be allowed to observe that farmers may never hope to solve their marthe hest men in the trade at the present time. Marketing farm products is a special ansiness by It is not learned in a day or a year. The men who are experts in marketing are able to command
large salaries. The farmers of Canada must be prepared to pay cood salaries to men who krow the business of marketing. It would pay them. cause are losing thousands of dollars annually be pay every farmer to contribute from $\$ 10$ to $\$ 25$ a year to improve the system of marketing his
produce. It is time for strong and effective measures. Farmers may take a lesson from the of the Southern States cities and when the bricks were flying ahout him and buildings
tumbled into the streets. dropped on his lnees and prayed, ooh Lord, can't yer help a darkey in dis time of trouble? Come yerself Lord!
Don't send one o' yer boys, cause they haint no use in a time back to the manager's story. 'I told the farmers who came to me about taking charge of the proposed Federat if they meant business and would make it worth while, I would take hold of the concern, and I felt confident I could make "it After several conferences it was the matter." After several contrences C was
decided to go ahead, and the . Sheboygan County
Cheense Producers' Federation was formed, in Chreese Producers' Federation was formed, in
which it was proposed to assemble all the cheese at one point, Plymouth, and ship from there to
customers direct. After the Producers' Company had been formed, the Manager says: "I told the farmers, now you've got the horse you ned a
stable to put him in." In other words, the farmers needed a warehouse for storing cheese. nothing daunted, a separate company of farmers was organtzed, known as The Federated Farmer's
Warchouse Co. in which the cheese from the "Producers'" factories was stored, and the extra
room was renterl to outside parties, which rent pald incere mone in mester in the wareThe Manager related the numerous obstacles his former associates, which it would take too come, and in spite of one of the worst years in company was able to pay all expenses, including cent per pound of cheese. The Federation turn-over of $\$ 887,502$. that chese can be handled on sn small a margin
as onequarter cent per pound. When the
Nanaser told me that this was the charge, I


came out ail right, although one of the American Pronduce Ihealers' parers figures the cost at 3

 is, Whe American trade quaper referred to says: "it aname mant ine nem hardly have chosen a more trying year for its
maiden venture in cheese marketing. That the
Federation still endures, after the demoralized It is a prod time to buy dremeroms and prices market,
the game

THE FARMER'S ADVOCATE.
chesese market of the closing months of 1914, is an evidence of unquestionable vitality. But like the growing human its second suers." This from a journal, which is asmittedy published chiefly in the interests of deaiers and commission men, is a sign of hope: or possibly, it may be meant to
domn with faint praise., but we have usually "damn with faint praise, "but we have usually
lound this paper fair in its treatment of trade questions.
Senator Krumrey, responsible for this movement, is reported as saying
farmers of Sheboygan County
so much of the money that their cheese sold for in the cities, as they have in the last nine months, or since this Federation began selling
cheese.
Never has there been so much competicheese. Never has there wen so much competi-
tion in the buying of chese. Never have the chesese factory patrons of this county and vicinity fared so much better than did cheese factory
patrons in other parts of the State., The eatrons in other parts of the state.
Senator gave figures to show that their patrons had been much better paid than had patrons in other parts of the State, where there was little
or no or no competition among the cheese buyers. He
then added $:-$ Kill off this Federation and you will be in the
part of the State are
its so much. It is human nature thame buy and take advantage when you can get it. Farm-
ers must do just what the buyers are doing-cooperate, work together."
The foregoing extracts are taken from the -Pdds this well-deserved tribute to the senator who did most of the work in organizing the Fed eration - Mr. Krumrey is reveiving much wedl arned praise. No one has ever more unseltishl armer who cannot see that is blind, indeed and a farmer who sees - it and will not recognize it is ungrateful to say the least. It is a terrible
atrain on a man to make the fight that Mr. Krumrey made, and it is constantly becoming more plain that his cause is a righteous one."
The paper also pays a well-deserved tribute to The paper also pays a well-deserved tribute to
the Manamer. Mr. McCready. It says. demonstrating that he was. the $n$
dive the Federation a right start.
In all this there is a valuable lesson for Can dian farmers, as to che future. Nothing is terest in the marketing end of the buse phess.
What profit is there in working hard to produce What profit is there in working hard to produce
goods and allowing the other fellow to walk off goods and allowing the other fellow to walk off
with the langer part of the dollar paid by then consumer
buyers, who as a class are honorable men, butt as the Senator said. we can hardly blame them for
taking an advantage when they can get he tar this American plan of combining got fix. How prices
of cheese has been carried out in Canada the writer does not know, but there have ben rumors in the air from time to time that this
has been done. If these rumors are estaltished
facts, then Canadian chese producers facts, then Canadian cheese producers would do
well to note carefully the results as olttained by the Shehovean County Cheese Producers' Federa
tion. Cheese has been, and will be. an impor tant article for the tairy, and will be an impor
taumers of ontario and Quebec particularly. The pressent himh pricus of of
cheese are hound to stimulate production and in cheese are hound to stimulate production and in
terest in the Canadian chesese trade. which hn been languishine for some years. Money has been spent lavishly in fostering the cheese husi-
ness of Canada, yet we as Canadians were apparently willing to let this business go to the sound basis. The fortunes of war have b,rought about the needed stimulus in business, or shatl we allow it to slip awave then us? What ssy wou, Canadian cheese producers

McConkey's Holstein Sale
$\qquad$

Netherland Spot Soplra, Wm. FordGlenwood's Duchess De Kol. W.i.w. George Putnam................................. Straffordville
Carrie Keves Relly, Cullo.............. Fairview Posch, W. D. Lindsay... ford, Guelph $\qquad$ Aggie De Kol Duchess, Frank Armstrong. Bonnie Canary Mercedes, Wm. Ford.....
Bloss Blossom Maid, Cecil Neville...................
Princess of Wellesley 2nd, Geo. Buckle

 Elmwood Pontiac Mina, Arba Johnson, Stherflord Monica Posch, Grant Mitchell, Corneliaf Netherland, A. Hatch, Chatham.


## HORTICULTURE.

The Operation of Grafting.
Few orchards in this country contain in every
instance the variety of fruit best suited to the
locality and market conditions. The demands of the market vary somewhat from time to time. yet there are a few varieties that are best suited the leading kinds in the future. If trees of undesirable varieties reduce the profits, the grafting tools should be brought into use this spring,
and the proper kinds established on those roots and trunks that under favorable circumstances would return a more pleasing revenue. A graft fruit, and in five or siv years the tree should be ability. peration with the The operation of grafting begins with the
selection of the scions. They should be cut be-
fore the sap starts to move in the tree. Scions
may te preserved until needed for

placing them in damp moss, sawdust or in arth pracing them in damp moss, sawdust or in earth
in the cellar or in any dark and cooi place. In
cutting the twigs, only that wood which deleloped the previous year should be choserp. For
instance, in selecting scions in the spring of 1915 twigs slrould be cut back I to the mark in the
bark, which indicates the division of growth be tween 1913 and 1914. The longest and health-
iest twigs are often found in the tormost branches, and they are often worth the trouble take should be made in the varlety of fruit from be positive that he is propagating the desired variet, else much loss will result from inca-
pacitating a tree for two or three years only to
acain tratuce again produce a worthless or undesiratle kind Furthermore, the tree from which scions are
chosen should be a prolific bearer, for this
characteristic will bo transmitted to tree and conversely if transmitted to the grafted to promagate others the newly-prafted bre used
are lialle to be shy hearers. If we could obtain nursery stock that is always grafted from pro-
ductice and young-hearing trees, we would ohturn earlier and greater revenus from our young
wrehards. The principle is estalished and pretty
well understood, lut diflicultiec arise whin orel The season for graft ing extends from the mid dle of March till the last of Mar, and ane fact
scoms may the set even later with a fair tegree sctons may be set even later with a fair degree
of sulucess if they have been stored wroperly and
not allowed to hecome too dry. The operat or
chold
practicable.
racticable. A satisfactory wax may be com Four parts resin,
Two parts beeswax
One part tallow
Melt these thre

Mer these three ingredients together, and when thoroughly combined pour them into, and
of cold water. Have the hands greased tub draw the lump of wax as one would canded and
it is light in color and very elastic. be left in the sun while the scions are being it should then after a little manipulating with the hand, the operator can wax the scions and stabs of the wax in kettle and carry a pail to heat the ainer around with a small fire in it. Im this ase care should be taken not to have the was too hot, else it will burn the scion. If there is always a piece of unmelted was in the kettle the
danger is not great. Before one starts $t$ should be made in order to place the scions in he branches that will result in the best-shaped top. If possible no limb larger than two inches
in diameter should be used. This size will accom modate two scions very nicely, and will not be so severe on the tree as would the cutting out of better, but with a large tree it necessitates boing too far up, and the top of the tree will then cross with a sherp, fine-toothed saw, and care should be taken not to mutilate the hark, or to
allow the branch to fall, splitteng of the limb. Much trouble is often prevented by Selecting a straight place in the branch where the not interfere when splitting the where buds will best to do all the sawing in the one tree before starting to set the scions. If the tree is a arge one it might require two years to complete
the grafting, as too much cutting out of branches The scions should now be prepared A sharp knife is necessary for this operation, as each blade. Holding the twig so a healthy of the next to the operator, the blade is brought down nother bud taking off one side of the twig. he other side of the bud, and then the prepared Mart of the twig is cut from the remaining Two vigorous two or three buds on the scion. Two vigorous looking huds are sufficient, but
some graaters prefer three. In making the
wedge on the end of the scion care should be wedge on the end of the scion care should be
eevercised not to injure the bud and to make the
bud-side of the wedge slightly thicker than the Cld-side of the wedge slightly thicker than the
other side, so when the stub) of the hranch is
allowed to close on the scion it will bind where allowed to close on the scion it will bind where The union is to take place, viz., at the inner
bark. One cut of the knife will leave a straight,
even scion, hut if the operator attomits to im, bark. One cut of the knife will leave a straight,
even scion, hut if the operator attempts to im-
prove unon it with more paring he is liable to make the thickness uneven, a and the stuh will not
lind the scion evenly along the entire length of
the wed the wedge. It is rot necessary or or wise to cut ing the grafting season, but one is safe to cut The operator now takes the grafting knite, mathet and scions, and commences with the
stubs. A knife such as the smali one illustrated can be prepared from an old blacksmith's file. then inverted, and the wedge on the end is driven apart while the scions are being inserted. It is not good policy to split the stuhs up and down,
it should be done crosswise or horizontally. When the scions are inserted with one above the when they begin to hear fruit or become ladened, so it is wise always to separate them horizontal-
ly or on a line parallel with the ground. After the wedge end of the knife has been inserted in the stul) the scions are inserted with the bud at
the base of the scion to the outside. (irowth of the scion depends upon the exactness with which meet. The union will take place at the inner correspond the scion and the stull circulate from the branch
into the scion and side of the hark. It, will be noticed when this operation is commenced how wise it is to have
the outer edge of the scion thicker than the inner right at the bo bark, making the circulation of the Ther is uspas as likely best to use two scions in ome stub. They are as likely to grow as one and the trealing WIIT then start from both sides. It is generally
wise to start at the top of the tree to set the
scioms. ${ }^{\text {So }}$ workine down the operator does not
comme in contact with the scions already set, and thus danger of displacing them is eliminated.
The waxing operation is quite simple. Where

MARCH 11, 1915

## THE FARMER'S ADVOCATE


 the wax too hase. Experienced grafters usualiy have a piecco of unmelted wax in the kettle, and
so thin that it will run too easily In waxing the stubs and scions it is well also to start in that part of thile doing other parts. have to oe gone throun whe pertace to start, how-
The top is usually the bestloce they should he ever, if any scions before the wax is appiied. The
put into position bis phject in waxing is to close a to cover it in such the centre of the and water are absolutely ex-
a way that an
The top of the stub, the sides and all cluded. layer of wax, even a dithen
the scion will prevent it drying out. Too much the scion wrten flake off, but care should be taken
wax will faily liberal amount is put on top of the
that a fairly toub as some of it will run in between the scions
 stants to grow it will push out through the wax and show n
Atter growth has commenced and where hoth
scions are growing it is well to take one of them out after a year or two as one healthy scion will
make a poon branch, but if both are velt, crowd-
mak is linhle to take place andl aplitting occur ing is liable er mentioned that two scions should he placed in each stub. There are cases with old wres where the operator desires in cases, but
large branch. This is not wise in all there may be instances where he would be justi-
feed in doing so. In such a case two splits could he made, one at right angles to the other,
and four scions inserted. Two of these, at least, should come out after the top of the stub has
healed. This process is known as cieft-grafting, and is
perhaps the most severe on the trees of any pertups practiced. There are many other ways of
frafting, but this is the one which has been in grafting, but this ime, and one which has given
use for a long time use for a ong time, and one which ans other
very good sucess. Whip--rrafting and
forms are usec on smatler branches and twigs, but space will not permit of an explanation of
their principles at this time. There is no secret or unnatural thing ahout grafting, all ome should
know is the principle regarding the union of the barks of the twig and stub, namely where the sap circulates through the bark. An operator is
sure to accomplish this union by inserting the scion at a slant so that at one point at least
the bark of the scion and stub will meet, but it is better to take pains and set the scions in a
line vith the branch, for danger of spliting out
always exists where the scions are set in any almays exist
other way.

How Onion Growers Produce a Crop. years of stall demand for thdir product, but taking one year with another the demand has corres
ponded very well with the supply, and prices have been such that favorable revenues have been re
ceived ceived from this department of the garden or
farm work. The time approaches for another season's work, and where onions are to be grown
preparations should he made for them as soon as possible.
While ${ }^{2}$ rich, loamy soil is preferable for onions, large and remunerative crops have been
grown on land that would be considered fairly heavy. In fact some of the prize-winning ex-
hibits seen at the Horticultural Exhibition in hibits seen at the Horticultural Exhibition in
Toronto canue from fields that would not be recommended by experts as first-class onion fields. soils that have been fairly well drained. In fact,
there is there is little land that is not suitable for onion
growing, yet the deep, loamy, friable soil is preferred.
The preparation for a crop of onions should commence in the fall. Following a hoed crop
is a good rotation for the onion field, and it
shoul should be plowed in the fall that the frost may
work work upon the soil and improve its texture, and spring. After all has been said there is no ferti-
ifer Hzer superior to barnyard manure for onions.
Twenty-five loads per acre should be applied and
Went
 with a small hand cultivator and any obstacle to this small impement wiol hinder successfue plants. After discing and harrowing thoroughty tooth cult ivator several times to be sure that the
very best tilth possible has been obtained. As soon as the land is suitable to work in the spring
It should be rrepared for planting. From the
I
1oth 10th of Aprit to the 10 th of Yay. is a suitable
time for somine the seed, and there are few drasaities where a lator date would be advisable.
Host growers favor a thick seedine. Four or

18 seeds dropped. The hand drill is suitable for
this work where the operations are not too extenstve and it should be tried out on a clean
floor or paper to see that the seeds are dropped regularly and sufficiently thick.
Too much emphasis cannot quality of the sped sown cannot be placed upon the quartsed, and see that its germination does not Tall below 88 or 90 per cent. Most of the scal-
lions or . thick neckss', are the result of 'poorly from poor hulbs or latamaturing onions grown cess to a very large extent depends upon the quality of the seed used. Of the common varie
ties grown Yellow Globe Danvers is a favorite Cthers are Prizetaker, Red Wethersfield South port Red Globe and Southport Yellow Globe. The standard distance apart for rows is 14
inches. In some cases we have seen them 12 inches apart, while others place the rows as far
atort as 16 inches dividual decision, as the make of the cult tivator to the apart the rows shouid be placed it it is


A Field of Onions in Middlesex County, Ontario
to tramp it with the foot and then run the cul-
tivator between the rows, while this rolled mark is still in evidence. As soon as the yourg plants
mark the furrows
 weeks until the field has been cultivated four or ly, and at the second weeding the plants should be thinned out. Growers do not always agree as to the distance apart piants should be left.
Onions have a tendency to grow to the surface and spread out in the row, consequently they may be left fairly thick and still produce a good
crop of marketable onions. From $1 \frac{1}{\hat{2}}$ to 2 inches is the prevailing distance where good sized bulbs are desired, but 2 inches is not too far to insure a good sample. Im many instances they are left
closer, and after the stand has established itself a coating of fertilizer rich in nitrogen, such as hen manure, is spread over the soil whrich tends to develop the crop to its fultest extent. . serve the same purpose. Cultivation and weeding
must te practiced incessantly throughout the season, but the number of times will depend up-
on the quality of the soil and its freedom from on the quality
weeds. Atter the ontons have developed very well
some growers have made the practice of running some growers have made the practice of running
over them with a light roller and breaking down the tops. They claim this prevents scallions or
thick necks," a and hastens the filling of the bulb. They do not all agree, however, as to this practice, and some claim that the operation of rolling will not prevent scallions, that it breaks
down the tops and hastens maturity before the down the tops and hastens maturity berore the The cuitural operations do not cover all the work necessary in growing and market ing a field
of onions. When the harvesting time approaches they are pulled and thrown into rows. Somethey a a cultivator with a blade beneath is pushed
along. loosening the onions and pulling them out of the ground. They are thrown four rows into one, and left four or five days to dry depending
upon the weather and climatic conditions. After this they are topped and thrown into bushel
crates or bags, and stored in such a way that the rain is excluded but ot the air may have free
tr manv cases thev are retained in circclatation In many cases the are retninect in
this condition until frost is expected, or until they are markated. ONION SETS.
The production of onion sets is similar in

fi an inch in diameter is not very desirable.
It is too large for a set, and too small for genit is too large for a set, and too small for gen-
eral use. A quantity of such onions are consumed for pickling purposes, but the demand for hould be taken is limited. Therefore, pains should be taken to grow the onions thiccly, and
thus have them small in size. An onion set the size of a pea is just as good as one $\frac{1}{3}$ inch in crop of Preparation for the ordinary field duction of sets. The land should be very fertile, nd the rows marked off in the usual manner. The one important factor in securing sets is to sow the seed very thickly, and not so early as for
ordinary onions. From 30 to 50 rounds of seed per ordinary onions. From 30 to 50 pounds of seed per
acre are required to tive the desired result, and it acre are required to give the desired result, and it
is best when sowing with the drill to go over the ows three or four times to insure a more even distribution of the seed. Where only a few ar required they may be sown with a smani can not
more than two inches across. holes should be punched in the top, and so small hole at seers will not go through the hole at one time. Rv shaking the can along the
open row an even distribution of seed should re istrinution of seed should re
sult. The seer should be
covered with fine soil from covered with fine soil from
oneatalf to one in ch in
depth, depending wo
 havy soil and a deeper covering for light soil is the
principle involved here. The sulsemuent field culture is
similar to that for market similar to that for market
onions. The varieties used for
rowing sets are Yellow
Manvers Danvers, Yellow Nutch or Brown, Silverskiil, Extra Farly Red, and Red WethWhen harvest time comes Che sets are pulled, thrown
into rows and left till $t h e r$ tops and loose skins win
rult, of wheng oing through
the cleaning machine. Then the cleaning machine. Then
 before going to the cleaner. The Italian Tomato.
$\qquad$ dustry has been published by the United States Bureau of Foreign and Domestic Commerce, under the title "Canned Tomato Industry in Italy." the tomato to the world Italy by example, is to day teaching the rest of the world how it should Italian and preserved. It is claimed that Italian tomatoes have practically pushod the
American product out of the English market and American product out of the Eng lish market, and
have gained also an enormous market in the United states. The total value of tomato ex-
ports ports from Italy is said to he well over $\$ 6,000$,-
000 yearly,
Skins and seeds that were formerly Oway yearly. Skins and seeds that were formerly
wasted are now utilized, the former as stock food and the liater as a source of oin suitable for
and
soap-making and tor lampe soap-making and for lamps, and when refined is
said to be edible In this connection it will be of interest to
know the now enat several varieties of Italian tomatoos
are under trial by members of ". The Farmer's Advocate", staff. Doring 1913 a report was no-
ticed in the published records of the Intermational ticed in the published records of the International
Institute of Agriculture with headquarters in Italy, giving information regarding the outstandsupply of seed of four of the best there. A small (two large and two small, the latter for making
conserver conserve or for drying) were secured by making
adian
Can-
 County, and gave very gratifying results.
smaller
 enormously productive. The two large varieties
proved proved remarkably promising for the fritst trial
under such new and radically difterent conditiong They were large, very smooth, of a brimht scarlet
color, very color, very "meaty" or firm-neshed, and early.
In fact on nearly all points they made
a very In fact on nearly all points they made a very
favorathe showing among the ter staple kinds in the trial. A London city tomato expert was
nspecially plosed with one of then ite smoot hness andy weight. Ane ther of thease of a
pure
 of the that fruit and is to to sas saved from some
during the approachinc

perfection than among Canadian growers, and it
is probable that some of the strains from Italy which has so distinguished itself in tomato cul ture might take a front rank among the many
excellent varieties grown in this country.

## Transplanting Tomatoes.

Editor "The Farmer's Advocate"':
It is impossible to state the exact number of days that should transpire between the different transplantings of tomatoes, that is governed en-
tirely by the progress of the plants. It stands and 80 degrees, and my neighbor runs his at 60 and 65 degrees, and another man has a hot-bed that is 80 degrees during sunshine and 50 degrees at night, my plants will require transplanting, the others. Suppose our green-houses are the same temperature and I have used all benches up off the ground (that permits of bottom heat)
and he uses no benches but grows on the ground, and he uses no benches but grows on the ground,
ours will probably be ready a day or two earlier. Again, if I have a clay soil about my plants and
my neighbor's is sandy and warm, he using a good proportion of rotted manure while
I use only a slight amount, he will be ahead of I use only a slight amount, he will be ahead of
me every time. Granted that soil, heat, water, light and all
are the same, the thing is to get the first transare the same, the thing is the true leaves appear. my neighbor 20 inch, he gets more light than I do and will be ahead.
I would say possibly 10 to 12 days after the
seed leaves appeared for first seed leaves appeared for first transpianting. One
of our neighbors buried his seeds muche deeper than we did last season and he also packed his
ground much firmer, consequently the seeds were ground much firmer, consequently the seeds were very tardy in coming up,so if we said 20 days from
seeding till first transplanting, his would have seeding tone before they had true leaves on, which been done before they had true leaves on, which
I think would not be advisable. Bury seeds deep
enough (half an inch is about as deep as is enough (half an inch is about as deep as is
advisable) and pack so that they will take 10 or
11 days to 11 days to appear through the ground, and with
temperature of 70 and 80 degrees, that is 70 at
night and 80 in the day, 10 days more should night and 80 in the day, 10 days more should
put on the first true leaves. get in before the roots crowd, only experience can
teach that. The roots grow faster than the tops teach that. The roots grow faster than the tops
do, especially after the first transplarting. As do, especiahy ants show any inclination to slow
soon as the plants
down in stem growth, it is generally arr indica-
to tion that they have used up the available
nourishment in the soil and need moving. For instance, Langden's Adirondack is a rank
vine and a thicker, light, green leaf than Stoke's Bonny Best. This is due to some extent to the
fact that Bonny Best is later maturing and hence fact that Bonny Best is later maturing and hence
its roots do not grow fast, while the Langden's mature the stem quicker and consequently develol
more roots with which to do it. The only rule
we go by is, watch the growth. When the plants ston, if they have been weil cared for it is an
indication that they need new soil and transplanting.
One
One other thing should he decided, that is
how often will it ray to transplant. Fach must doubt if it pays here to do it oftener.
B. C.

Grafting Wild Trees to Transplant
 which wall follow; and stakes to fence in the To make grafting wax for six trees (a pair of scions to each tree) the following small purchases will have to be made: One-half pound lump of
beeswax, 2 ounces resin, and 5 tablespoonfuis of beeswax, ${ }^{2}$
linseed oil.
The grafting wax is prepared as follows:
powder the resin and put it in a dish on the fire. Keep it well stirred; when the resin is
thoroughly melted put in the beeswax, broken into small fragments, and stir until the dual mixture is complete. Then pour in the linseed oil,
stir a few moments and remove the dish from the fire. Pour the contents at once into a paii full
of cold water and work with the hands, as you would putty, until the wax becomes tough and elocome unworkable if exposed in the frosty air. the species desired. From a perfect tree of branch cut twigs slightly bigger than a common buds. Twigs with sub-branches should be be a voided, as they are likely to require too much
nourishment during the precarious first season. Plain straight twigs are best. With a sharp
iackknife cut these in well-mated pairs, the ends for insertion to be cut in the shape of a slim tact on the narrow edges, the exposed ends scions are set after cutting the better. The bark The next step is the actuai grafting. Trees of the proper size should be carefully sawn hori-
zontally within 3 inches of the soil line. With
your draw-knife or butcher-knife and chisel-mallet split the stump down the center sufficiently to make room for the prepared ends of your
scions. Hold this split apart by forcing your
craft iron or mase chit the center. Ther mently crowd your scions int the spion end outward, and beine carefult that the
the scion of the stump and that of the scion are ex-
hark grait iron and crowd your wax, of an casily faces, high in the center to throw off moisture.
Wrap strips of heavy cloth around this and fence
in tho The scions that take will give positive evidence them into the places py prepared in and transport
then orchard. They can be set a triffle lower in the ground than
in their hirthplace in order that the wood and ground, and thus a possible, dangerous discrepbe avoided.
Trees sprunes from such origin are frequently
far more successiul than sodines. Once started there is always a superabundarce of nourishment
rising up from the mature root system.

Importance of Good Seed

more subject to smothering as they grow older ${ }_{\text {and }}$ A great many people prefer a lamp-heated brooder, and regarding these "Lamps are generalter than quote Roultry is grown artificially on a small scale. Lamp brooders are of many different makes, but are nearly all built on the same principle. They consist of a box heated by an
air from the lamp being conveyed to the upper part of the interior, and
cons for the chicks being small, to prevent a circuiation of air which would make the temperature too low. An som the warmer air compartment,
from the first, is provided. Though mostly on
model, brooders of this type trom the firseneral model, brooders of this type ary somewhat in constructionsh, especially in quality of materian, wantion most of them will give very satisfactory results. As a rule, the cheapor brooders require cosest In all lamp brooders the greatest risk of fire. In and lamp brooders the danger fromsire is the dust raised by the birds, ind next, because the lamp is more exposed. nade for indoor and for outdoor use, the outdoor
tyle being built to protect the brooding comartment and lamp from the weather. Poultrymen gemerally prefer to use the indoor style in a
Kerosene lamps re most used for hreat, but gasoline has been
 vidual b
ividual brooders.
The best temperature for the brooder when
the he chic's are very young is 105 to 106 degrees
This assures plenty of heat if the birds need
Ti and there is no need of them huddling together. The general practice is to take the temperature in the brooder at about the level of the red a very good temperature for this. It is cessary to plenty of heat, and also to a place ghere too warm they always seek cooler places, and
when they get too cold it is necessary for them to be able to get a temperature even above 95 de-
grees without huddling. The regulation of temerature requ the birds' raised early in the season in the brooders longer than those raised later on
when the weather becomes warmer. From two months

THE APIARY.

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Spring Care of Bees.

the apiary brood rearing will be very lax in the in a weak form. These conditions combined with improper packing is liable to cause dysentery in
the brood. Where the hives are improperl packed the bees are liable to gorge themselves with stores in order to maintain their heat. Where the season of no flight is a long one their result. All these lead up to spring dwindling, which some consider a disease. but which is noth ing more than a condition of the bees.
An inspection may reveal several dead
colonies. The entramces to these should be shut colonies. The entrances to these should be shut
up tight, else robbing may take place and the whole apiary become disturbed. If the combs bees, they may be stored away and given to well cared for, while badly-soiled combs should be put through the wax extractor. It is neces
sary in early spring to rake out the dead bees in sary in early spring to rake out the dead bees in
the entrance of some hives. Some colonies will many cases the entrances will become so clogged the bees to do the work, and they may all die. The question of uniting weak colonies has al-
ways been a debatable one. Some successful beeKeepers do not believe in it and do not practice
it, but there are some features about' it that commend it to practical beekeepers. In practicwisdom to unite two weak colonies. A weak one
should be given to one of medium strength, allowshe the two to grow. The "Alexander Meethod"
ing the
of uniting colomies has in most cases been successful. It is done thus-about cax or seven days after taking the bees from their winter quarter
the weak and strong colonies should be marked with the numbers on each. indicating which ones are to be united. Then all the weak colonies
that have a patch of brood in one comb as large that have a patch of brood in one comb as large
as the hand are set on top of a strong colony with a queen excluder between, and all the en-
trances to the weak colony should be closed, extrances to the weak colony should be closed, ex-
cept through the queen excluder. Those colonies cept through the queen excluder. than a handful of bees with no brood, should
handled as follows: Going to the colony which s considered strong enough to have the weak one united with it, the operator gets a frame of
brood with its adhering bees, being sure not to
not ake their queen. The queen of the weak colony put into the weak hive. They are left that way the strong colony from whence the comb was
taken, with the queen excluder between. This
 citement. If it happens to be a cool day and the
bees are not flying the strong colony may be ieft
uncovered. except by the excluder, for a few uncovered, excepting on the weak colony. The
hours before settind as
whole thring should he done as quickly and as auietly as possible, so neither colony will realize
that it has been touched. In about thirty days each colony should be crowded with bees and mat
turing brood. A period of warm weather in the spwing may
result in brood rearing before pollen is a vaiiable.
If there is no pollen in the hives the hees will be seen to cluster in the hen-house or buildings and
or amongst the sawdust or chop and bran.
They are looking for artificial pollem, and if it is
$\qquad$
FARM BULLETIN.
What Would Mr. Banker Advise? Editor "The Farmer's Advocate":
A city hank customer has borrowed $\$ 900$ for three months at $7 \%$ interest, giving as security a high-grade $4 \%$ bond of $\$ 1,000$. The loan matures
but the borrower sees no prospects of paying it
off before another six months. The bank's loan is good beyond question, but the horrower is
obviously facing a loss in interest if he remews
his loan. In the language of a livestock man ?it is eating its head off." What would his
banker advise? Renew the loan, or sell his
security and pay off the loan? Now, this has been and is the position of
many an owner of good feedine and vure-bred
breeding cattle. From a patriotic viewpoint breeding cattle. from a patald he hetter for
there is ititle doubt that it would
our country, and for the owners too, that such live stock should be carried on; but when the
owners cannot stand the day to day loss without help, what are they for a patrintic scheme" to
Here is a chance for
save the present serious depletion of our live stock. The promoter of such a scheme need no
he a live-stock man, the honor is open to a liv
hanker or a member of parliament

Perhaps never before have we noticed how cir fumstances will aterer peopleses idacals, A year
 most of our stocknen wero optimistic in theit fiess Now they are thating rather $a$ pessimis is view of their busines. When they soo the


 oy the wither months instend of wortings. Many

 grains will likely be hifh during this sarar, ye meats will heep pace in price. Wo must not tor get that Tomens Aktins sood totay is hour tor horse. but wo also must remember that nis an


 orn active service. How selfoh men aroo in this imemat othec changing their mectooss not in the ran - ordor the ramers of this dismet took advannage of
 bill And iol

 stock over 8 s. Oon, and he matese n werlly stip to thime wint that the wammes shoutd soo out the words of the poet as he wrote truly when he

Thithing Ilke a shifless vessel

Thes would have renched a place of safety


## Huntingdon Dairymen's

> Association.


The Farmer's Bank Account
Prof. Reek Goes to P. E. I
Prof. W. R. Reek, B.S.A., a graduate of the ontario Aqricultural College in 1910, and for a shor
time private secretary to C. CTMes, then depputy Minister of Agriculture in ontario, and for some
time thereafter a Representative of the Governmert in London, England, in immigration mat-

W. R. Reek, B. S.
ters, which position he resigned to succeed Prof R. W. Wade as Associate Professor of Aniwual
Ilusbandry at the 0 . A A position at that Institution, and has gone to his new duties as Agricultural Adviser in Prince
Edward Island. As a thorough-moing. practical
Ed
ta
Methods of Buying Army Horses.

$\qquad$ States. A prominent horsenan explains it thus,
and his explanation is reasonable and satisfac-
tory tory: In the buying of horses for the army or
the armies of the allied nations there is no overlapping. When Canada started to toy horses
for her army the British authorities, withdrew, hecause it would be folly for one set of buyers to
follow another around the country one ", wick ine",
 horses, at the present time, there is no over-lap-
ping. The entire country, is divided into three
 Piain, then, why the Pritish and Canadian
nathoritions are not buysing ayainst each other
rimht here in Caradiat right here in Caraadal
Soner of our correspondents soom to think
that the Canadian wuyers are throush huysine or have nearry the required number. This is not a
fact. Whe understand om mood nuthrity that
only ahout one third of the horsess tequited from



A Note to the Manufacturer.
$\qquad$ from the nearest town, where a great deal that Is required on the farm cannot be had, and where
quite too often what can be had is priced too
himh Why don't high. Why don't the manufacturers advertise
their goods?
Some of them do
I'll admit, but most of throse who do seem to be afraid or
ashamed to put the prices in their advertisements. In fact I have ever had catalogues sent
 wanted some feed-chicken leets, stock feeds, such rolled oats, corn meal, flour, etc. Just look
through this issue of this paper and see whether through this issue of this paper and see whether
vou can find where to order them from an adver tisement. I wrote one firm who use this paper tisement. This reply (arter the lapse of exactly one
and cot the
week) what business are you in? How is week) "what business are you in ?" How is
that for a busimess getter ? I did not reply. I that for a busiress getter? I did not reply. ${ }^{\text {I }}$, ${ }^{\text {ged }}$ hadready spent two cents on my enquiry, had already spent two cents on my enquiry.
Since then by diligent search and enquiry I have been able to send my order, part to each of three diffrerent firms, and had to take my chances on
what they charged me.


King's Champion Imp.
 able labor saver to the farmer.

Manufacturer, if the farmer sold his goods on the above system, there would surely be some "High cost of living" or there would sorison, but must use at least one here. Take up an American farm paper and look up the advertisements. You will find most anything you want from a
needle to a threshing machine, and from a salad dressing to dog biscuit, and the prices wili be there. This saves an immense amount of time and money expended in useless correspondence.
The average farmer's family read most of the adThe average farmer's family rear most of etimes,
vertisements in the farm papers, and someter no doubt, buy from the advertisements, but they would buy much more from these advertisements cices priven. Mr. Manufacturer let us know where yyu live,
at will got together and do business. A. K. B.
Halton Co., Ont.

Training the Farm Dog.
Is a farm dog really needed? Well, I think if armer. hut that dog should be an intelligent, ell-trained, stay-at-home herd dog. The collie has been bred for generations as a herd dog, and with suitable training is very useful indeed to the farmer on a stock farm. He can be trained to andle all kinds of ive son for the purpose of driving stock, is a valu-

The collie we have is black with white markings, and has a short, wavy coat. He is a very
wise dog-wiser than plenty of men when herding wise dog-wiser than plenty of men when herding
or driving cattle-and could not be coaxed from or driving cattle-and could no dre drive a bunch
home unless sent with some one to det and let
of cattle. He is also a good watch dog, and let ny one beware who tries to take or molest anywatch. Who can deny
that he is valuable to
us? Three years ago the country round herte
was overrun with dogs was overrun and every
of any and
breed, a perfect nuisance and danger to
both man and beast. Steps had to be taken to exterminate these
brutes that had no brutes that had no
legitimate excuse for
existence. A by-law legitimate excuse by-law
existence. $A$ bassed by the
was pasin was passed by thie
council. The owner of
every male dog was as taxed tho dollars,
while the owner of every female dog was
taxed four dollars. $\begin{array}{cc}\text { taxe } \\ \text { Farmers } & \text { whour had }\end{array}$ good dogs gladly paid the tax and received a
brass tag which had dog's noek. At a given date all dogs not
wearing the tag were
shot by the Shot Then any doog
ties. Ther without a tag
with or wis. also shot. Although there was some grumcomplaint, also a few the time the by-law Here I think is a good opening for firms in every farmer spleaks unanimously in saying it vinces, to stock and advertise all these kindred ance.
Most collies are sensitive and suspicious, of a lines and quote their prices, suant a wagon of a fine temperament, and this characteristic often certain kind. I searched diligently in my makes then appear rather more cowardy on a
-Farmer's Advocate", but did not find anyone brave, while cowardice really is not a part of a phone directory, and found a couple of manufac- and considerately handled. , bany people say that to useful a dog have a phone. I wrote the nearest one and should never be petted or even noticed except
was duly informed that the So and So Co. when working, but. I have found it the opposite, handled all their output. To-day I was called and there prainer should make him his constant letter I had said exactly what I wanted. To companion when on the farm. The pup should
send me a marked catalogue would have cost be handled and lookerd after, especially by the them not more than two cents. Instead they person who permitted to have a place of refuge, pay an agent's railway fare and three dollars never be permitted to have a place of refuge, logue with a pencil notation on the very wagon ance, or at the sight of a stranger, he can run I want. This agent could not give me any very and hide away. He is almost certain to take
definite information, but informed me another ardvantage of such a retreat whenever he has the
least cause to be alarmed. and the habit becomes agent would call later whe the wagon. Is it any second nature to him.
wanted
to know about ther seraration from hether, the pup Wanted to have to pay a long price for the coods After separation from his mother, the pup
wonder we haver when we do get them? You have often heard should
the old saw. "If husiness houses were to run morning by the one person who is to train him. the old saw, "f husiness houses whe theirs they Every effort should be made to get his confidence
their business as most farmers run the the
would soon be out of business." Well, Mr. and to make him know you are his friend. If the


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$\operatorname{pup}_{\text {night }}$
noth
ping
ing f
this.
this.) I know nothing about the proper training
the training would be quite similar to that give
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come by sign. It makes little difference what
the wo
attempt
in one command before commencing
thme. After leaching to come, teach
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young if hurt hy stock, he is likely to be spoiled
as a heeler. When he is being taught to drise
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Toronto, Montreal, Buffalo, and Other Leading Markets.
$\qquad$
Toronto.


We collect or discount sale We collect
notes for farmers
Notes left for collection are secure against fire or burglary, and the make.
When paid, the money goes to
gour credit without any trouble your credit wit.
We shall be glad to furnish you with the note forms free of charge.

The Bank of Nova Scotia | Capital and Reserve |
| :---: |
| Total $\$ 17,000,000$ |
| $80,000,000$ |

bRANCHES OF THIS BANI
BRANCHES OF THIS BANTY
In every Canadian Province, and
Nestondland, West Indios,
In every Canadian Province, and
Im Nowfoundland, West Indies,
Boston. Chicalao and New Yorls
 Flour.-Ontario winter wheat, 90 pe
cent., $\$ 6.05$ to $\$ 8.20$, seaboard, Montrea
or Toronto freights. Manitoba flourPrices at Toronto were: First patents
$\$ 8$ in jute, and $\$ 7.50$ in jute for secon patents; strong bakers', $\$ 7.30$ i
cotton, 10 c. more.
HAY AND MULFEFD Hay,-
No. $1, \$$
$\$ 16.50$

| No. |
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| $\$ 16.50$ |
| Stra |

Bran.-Manitoba,
TOronto
8, Sheep and Lambs.-Choice light lamb
were scame were scarce and sold at $\$ 10$ to $\$ 11$ per
ctu.; heavy lambs at $\$ 9$ to $\$ 9.50 ;$ ligh
sheep $\$ 6.50$ to $\$ 7.25 ;$, heavy sheep, $\$ 7$ sheep $\$ 6$ Hogs.-Receipts were fairly liberal and
still the values crew stronger toward the end of the week. Selects weighed or
cars sold at $\$ 8.25$ to $\$ 5.35$, and select
fed sind fed and watered at $\$ 8.100$ to $\$ \$ .10$.

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| tolowi | feed were $65 \frac{1}{2} \mathrm{c} .$, and No. 2 feed, dmerican corn was down to |  |
| rew clown >o. 2 :1 | ink barioy wes sme | dond selling " |
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| ${ }_{4}$ ch | barrel in |  |
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Chicago

skins were $\$ 2$ each. Horse hides
ere $\$ 1.50$ for No. 2 , to $\$ 2.50$ each for
ealers offered $\$ 7$ are coming in we $\$ 8.50$ for timoth
anhel of 60 IIs. for red clover, and $\$ 7$
$\$ 8.50$ for alsike at shipping points.

## Butialo.



Gossip
$\qquad$
make purchases, but prices continued
 rom $\$ 7.40$ to $\$ 7.60$. Best handy butch
ering heifers ran from $\$ 6.50$ to 86.75 ering heifers ran from 86.50 to 86.75
sone few tancy heavy heifers up to 87. .01 $\qquad$ Consignment, Sales Co.. Loondon, On
Marry Smith, May, Ont, Sales Manage

King's Champion, the Clydesdale stal-
lion, illustrated in this issue has been Mon,
three years in in service and has proved a
great stock-ket er. He weighs 2, ,ooo mbs. great stock-geter. He weighs 2 ,ooo ths.
and is for sale by W. L. Mossip. St. Trary's, who also has sir Randolph
Imp.) by Moncriente Marquis. This is a
$\qquad$
$\qquad$
$\qquad$
$\qquad$

Srey bull which has teen in the herd
over six sears and is still nes prime

teers generally and heifers were most-
15 to 25 cents higher, with fat cows uning from enedium to wood grade elling a full 35 to 50 cents higher than
or two weeks past when the yards wer or two weeks past and cutters brough
losed. Canners and

 to be plenty of the good heavy kinds
shipping sters but the beet trade it
showing better condititions and the cooler showing beter conditions and the eoolers
are pretty well cleaned up. Receipts las veek reached approximately 1,340 head
revious week here wern only 54 hea
nd for the corresponding week a yea
nid nice to prime native shipping steer

$$
\text { sal } \text { sale. ". }
$$




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$\qquad$


The Roadway of My Heart A big road circleses round the world, sure
fine it is they say. A big road circles round the world, sure
But it it ity they say.
Bue litue boreen of my heart runs Ione and far
Tis winding ove a sigh beset, eeary seas with many
ah, of all the But oh of ant the roads I know it is the
dearest yet.

By common ways and common homes and
common graves it goes, But no one knows its bea soul within me knows:
dawn are drenched with dews from
heaven, its nights are tearlus And sometimes One long cruciifud walks It leads me down by purple hills where
 It clothes again with living fire the faces
laid away Beneath the cold of grass and mold, my O twilit boreen of my heart, the world is But you are holy with the balm of all You thrill me with the touch of hands my hands were wont to hold.
You lure me with the lilt of dreams The big, big road of the world leads on by many a stately town,
But the little boreen of my heart keeps By ever drifting down of all the roads in life it is the sweetest

 her sleeve." For sc
and the Italians
neighbors-just now.
$\qquad$
 don seeme just look miserable and charming-and there's nothing else to do
snow. They
unhappy. Ithought of the jolly times here but walk. so we read the war
the Berne children were having, and of news and then we waik and come
the the merry sport the children of home for luncheon: then we read the war the Berne children were having, and of news and then we walk and come
all the merry sport the children of home for luncheon: then we read the war
Locarno were missing. The chief and news and then we walk and come
only amusement in this forlorn town is home for afternoon tea; in the evening
watching the men shoveling snow off the for variety-we read the war news.
pace with your head full of beautiful This is a beautiful hotel, but duller
visions of gathering spring fowers on the than a cemetery. There is the usual hillside. and then, out of pure despera- mixture of nationalities, but even those lion, for lack of any other diversion,
going out on the street to watch men
one another, and that little is as usally
about the erratic actions shoveling snow! And a dirty lot they about the erratic actions of the barom-
are, too, ragged and slouchy, with can- eter in the corridor,-a good, sale are, too, ragged and slouchy, with can- eter in the corridor, - a good, sale sub-
and
ane vas bags pinned around their shoulders ject. One could engage in conversation
to keep out the winter's chill.
about a barometer with a spy without
There isn't a street in Locarno that any fatal results. But suspicion lurks There isn't a street in Locarno that any fatal results. But suspicion lurks
is both straight and level. and the houses in the air and makes the social atmos ane in the hotel very frosty ather
 work, painted in the gayest of colors, $\begin{aligned} & \text { some humor from the doings of an old- } \\ & \text { and embellished with painted foliage and old } \\ & \text { lashionan couple who are } \\ & \text { staying here. }\end{aligned}$ The husband is an ex-
 a rooted objection to blank wall space. the man who is always fuming about
and if there happens to the a vacant spot something itis wife is as placid as he
they fill it up with painted imitations ionervous. Every night immediately
of windows or balconies or statuary. often sees frescoes of religious subjects $\begin{aligned} & \text { to the reading-room to grab the } \\ & \text { German newspapers before anyone } \\ & \text { on the walls of the houses. The moun- } \\ & \text { Gain shape a chack of the town is covered hance to get them. If they }\end{aligned}$


Yothing ew Sasso. Nothing could be seen from the windows
but snow. The flakes were as big as buttertlies, and as there was no wind,
hey came straight down and rested



[^0]MARCH 11, 1915
THE FARMER'S ADVOCATE



 $\$ 1,500$ of milk alone, with foods and
clothes, etc., up to quite $\$ 3,000$ alto-
gether, ( $\$ 2.50$ of this went from "Dollar Chain contrinutors.- car, and carnest-
now busy over another
ly hope to be alle to send one of equal



Addressing Letters to the
Troops.
The following note has been received
roum the Post olfice Department at
Ottawn - It is desirable that the cor-ide publicity as possible.
nail at the front and to insure prompt

tingent Second) Canadian Com-
(h) British Expeditionary Force.....

## Hope's Quiet

 Hour.Together in Love.
That their hearts might be comforted,
being knit together in love... for
though I be absent in the flesh, yet am a
with you in the spirit, joying and be
holding your order, and the steadfastness your faith in Christ.-Col. ii.:

 And she that far did roam.
For, though he went by mountain, little cot enwrapt in green And she, within the green leaves, Not knowing that he stood
Forever by her, dreamed her way

Now, heaven help these lovers,
And bring him safely home, Oh, lead him back along the track
Where she, ee'en now, doth roam
$\qquad$
$\qquad$

$$
\begin{aligned}
& \text { primer, and found themselves face to face } \\
& \text { with a problem } \text { which at farst sight- } \\
& \text { seems insoluble. How can two people, }
\end{aligned}
$$

$$
\begin{aligned}
& \text { seems insoluble. How can two people, } \\
& \text { who are one in love, endure the pain of }
\end{aligned}
$$

$$
\begin{aligned}
& \text { who are one in love, endure the pain of } \\
& \text { separation? How can a woman go on } \\
& \text { with the ordinary work of life when the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { facing awful danger in the trenches? } \\
& \text { Can those sorelytired hearts be com- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Torted, being knit together in love }{ }^{\prime \prime} \\
& \text { Can one who is absent in the boyd be } \\
& \text { nresent in the spirit. reioicing because }
\end{aligned}
$$

$$
\begin{aligned}
& \text { present in the spirit, reooicing because } \\
& \text { he beholds the steadfastness of your } \\
& \text { he }
\end{aligned}
$$

$$
\begin{aligned}
& \text { faith in Christ ? } \\
& \text { The thing seems impossible to those } \\
& \text { who have not yet attempted to enter }
\end{aligned}
$$

$$
\begin{aligned}
& \text { possible. } \\
& \text { I have read that when Morse, the } \\
& \text { father of the electric telegraph, first }
\end{aligned}
$$

$$
\begin{aligned}
& \text { crossed the ocean, he wrote to his } \\
& \text { parents lamentling the impossibitity of } \\
& \text { communicating with them swiftly. To }
\end{aligned}
$$

$$
\begin{aligned}
& \text { communicating with them swiftly. To } \\
& \text { send a message thousands of miles-in } \\
& \text { those days-meant weeks of delay. How }
\end{aligned}
$$

$$
\begin{aligned}
& \text { send a message housanas or } \\
& \text { those days meant weeks of delay. How } \\
& \text { could anyone believe that the space }
\end{aligned}
$$

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\begin{aligned}
& \text { would one day be crossed with lightning } \\
& \text { wpeed In these days of "wireless" } \\
& \text { son }
\end{aligned}
$$

$$
\begin{aligned}
& \text { communication we ought to cut the word } \\
& \text { "impossible" out of our vocabulary. } \\
& \text { With Gode }
\end{aligned}
$$

$$
\begin{aligned}
& \text { With God nothing is impossible, and we } \\
& \text { are invited to be sharers of His life and } \\
& \text { userg of His power. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { users of His power. } \\
& \text { st. Paul had no idea of the physical } \\
& \text { sridging of space, which is a commen- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { bridging of space, which is a common } \\
& \text { pate to us. } \\
& \text { plo } \\
& \text { pace tid not }
\end{aligned}
$$

$$
\begin{aligned}
& \text { men could ever-in this state of exist- } \\
& \text { ence-converse with friends hundreds of }
\end{aligned}
$$

$$
\begin{aligned}
& \text { miles away or receive messages from the } \\
& \text { other side of the world on the wings of }
\end{aligned}
$$

$$
\begin{aligned}
& \text { other side of the world on the wing or } \\
& \text { the lightning. But he did know that } \\
& \text { hearts could defy the tyranny of space, }
\end{aligned}
$$

$$
\begin{aligned}
& \text { earts could defy the tyranny of space, } \\
& \text { keeping close together always, though } \\
& \text { death itself should attempt to separate }
\end{aligned}
$$

$$
\begin{aligned}
& \text { As the poem given above reminds us } \\
& \text { the woman at home can-in Christ }
\end{aligned}
$$

 though she does not know exactly where
he is; and he can reach out-through
Christ and an This is not imagination, but reality The body is bound by laws of space, but the spirit is free to go where it will.
don't mean that we can be conscious, in presence of one who is far away in body Some may have such supernatural mani-lestations-1 cannot say-but the comfort
of being "knit together in love" is not
for a select few only. God offers it to us all it we seek it in the right way. St. Paul explains his confidence in the
possibility of being really - that is spiritually-present with those he loves, by saying: "As ye have therefore re
ceived Christ JESUS the Lord, so walk ye in Ilim." Keep your hand clasped closely in the hand of the ever-present
Lord, and within that clasp you can
touch the hand of son or brother, of lover or husband.
We are together in Christ, Who is
Love. Do not think that your brave soldier
has turned his back on you, or that your home is really deprived of the gladness Christ, keep always in closest touch with him. Those who cheerfully stoop to
take up the cross God has laid at their take up the cross God has laid at their
feet, soon find that loneliness is an impossibility. To be apparently alone is to be instantly in glad communion with
God and with those who are absent in God and with those who are absent in The Cross of Christ has glorified life, because it is the token and pledge of because it in thecrated sacrifice. We cannot escape sunfering, but we can transfigure it into
eacrifice by willingly accepting it. In sacrifice by willingly accepting it. In
his way only can we find in it glory and victory. True sacrifice is not seli-
chosen suffering, but it is willing acceptis the steady and unwavering march of His soldiers along the road He has marked out, even though it be the road that leads to-and past-Calvary. The But what if the terrible news should
come across the sea that death has stepped between two loving hearts! Is and really keep in living touch with one world has no power to cheer and ? The a mourner. Can anyone speak with abother side of death? Yes, One can. shown absolute knowledge of the other expressed belief, but our Lord spoke with authority about the many homes in His would have told you," He said tenderly to those whose hearts were troubled. Try to imagine His telling a lie, if you said: "Master, we know that Thou art ruth: and teactest the way of God in in all generations. Let not your heart be troubled-if the love, of earthly homes have told us. He has said so, and Hi word can be tusted even by enemies. car and we passed a funeral procession. is not dead, he is just awa'.," The folof mine, whose two sons passed through TI camot mey, mod I wil wist amand They have water

 return.
 Thine ot them stilu ns the same, sers,
$\qquad$
$\qquad$
$\qquad$

THE FARMER'S ADVOCATE.





 always with us-absent in body but prese- On the bank of the river Iser,
ent in
en Spirit. He is with us here
nut

 spelp and saftet in danser, and secrect Jos
in the midst of troulle.
inthing can tonch


 not eanily by the laws of space, we do
not sack again into a state
of siritual innation agion We can stand allays beside our triends
-therefore it wo not use our power.
we aro we are disloyal: for we are depriving
theme of joy and strength which Cod has
placeed in our hat




Willing Helpers.



TheBeaverCircle

OUR SENIOR BEAVERS.

MUTE'S ALPHABET.

 ing?
Can we write on any choice subject With regards and best wishes to your ?
Circle, I remain, Circle, I remain, your interested reader.
 It is possible for a leter le to be too
long Helena, but not if it is interesil long Helena, but not if it is interesting
enough. Occasionally especial subjects are set
for the Beaver (ircle, but not Usually the leavers are lieft to oterite.
about what they choose not Dear Puck and Beavers,-This is my enjoy reading the letters very moch. 1 anther has taken "The Farymueh.s Adyowould not give it up for renything. he chandrather has also taken it. I go to school every day. I am in the fourtb grade. My teacher's name is Miss Ma-
ruarrie. I like her fine. We collectod cwenty different weed seeds last sum-
ner. The "Women's Institute" took an "tive part in our school. They painted our school, got a drinking fountain,
and a cup for each pupil.
The mer nut in a new stove. a hardwood floor
 long I will close with best wishes to to
the Circle, hoping this will esselting John cass.

OUR JUNIOR BEAVERS. (For all pupils from the First Book to

The Run-away Frown.
All alone by himself. a Puckerup Frown
He lived (such a pity 1) in Cloudy-Brow But he said-twas the rumor-one bright, balmy day,
That he must have a change, so he soon ran away. body knew.
And he never went back (I'm glad it is true). group of the jolliest, merriest smiles; And he joined in their sport,-it had
then just begun, And all the day doy long he had se much That he changed his name knack)
To miles - and
he never again changed it back !

To smile, 'stead of being glum, silent,

Junior Beaver's Letter Box.




THE FARMER'S ADVOCATE.
The Ingle Nook.


Of Gardens.
Has it ever occurred to you to reflect
upon what a tremendous tribute to gar-
dens lies in the fact that the first real
story in the Bible, the first story with
characters and plot all wrought out in
detail, is about a garden It is as
though the very fundaunentals of human
nature were connected with the soil, with
the Spirit of tll Good brooding sweetly
and beneficently over all. For the set-
ter known to us. Shakespeare, over and over, reveals
that he is no stranger to gardens, whe
ther ot he wilwood or of the trim cot-
tage crott: I I know a bank whereon the wild thyme
$\begin{gathered}\text { grows. } \\ \text { Whers } \\ \text { orsip } \\ \text { blows.". }\end{gathered}$ And again, for but one further ex-
ample :
"Roses their sharp spines being gone.
Not roval in their smells alone.

$\qquad$
 literature. Leave the great story ot the
Carden of Eden and ome to the Song
of Solomon, a poem through which also


 - Primpose frist-born child of Ver
Merry sprinstime's harbinger. With her bells dim:
Oxstips in their cradles growing,
Marigolds on death-beds blowing, o north wind; and come, thou south;
blow upon my gardin, that the spices
thereof may fow out.". ". .I went -So quotations might be given by the
thousand, -metaphor, simile. or oescrip-
tion, writen for the pure love of revel-
ting





 in Moud," more loue than garden, yet.
without garden, naught:

- The slender acacia would not shake





MARCH 11, 1915
small scale, precisely that of a drawn
room
$A$ few color shemes are given below: A tew color scheeption Rooms:-
Drawing and Recen
(1) Wall light, dull old rose; iurniture, sap-greal stanin, rugg a green to harmon-
sizo with the furniure, with touches of on
 fashioned $\left.\begin{array}{l}\text { (rowery at the top of each } \\ \text { panel: furniture covered with chintz to }\end{array}\right)$


 laded or slae; rug gray-green, several
taory and bile
shades darker than the walls.


## Luving-room Color Schemes :- (1) Walls old blue; rug brown and

 blue inside eurtains (sash-ength) ight
brown pongee or igurea brown and blue
tinen furaiture uphostered in in plain
brown or blue. (2). Woodwork ivory white; wall dull
buff; ; ung oive green; $u$ upholstery green in same tones.
 IVory. Walls dull buff, fawn, dull tan or
(4den wown; oriental rugs; leather golden brown; oriental rugs; leather
upholstered
unnititure; fumed or weathered



 apholstery; touches of pumpkin sellow in
whbhion covers, window curtain borders ett. Old
the yellow.
 vith green or brownin inside curtanns blue
denim: color notes in room supplied by oiper or brase candlesticks, jars, jar-
dinieres, and cushion-covers contaning
 green rush-botom or
chine allates and plaques: curtains
with
whe
 green and blue tones with a little deep
cream or brown.




| ell to keep in mind that |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Agured inside curtins that have a
yelow bock-kround and a rug with
brown or dult hul

THE FARMER'S ADVOCATE
399


A CONTRIBUTION.
Needleworkers will find that to use broidering during the summer months. When making shirt-waists, always turn the under-arm and shoulder seams toward the front. Try it and see how much A thin coat of varnish applied to straw amprove it apearance Mica in stoves may be made as good as new by cleaning it in vinegar and


Cream
Highest price paid for good butter cream. We supply cans and pay express both made to individual shippers. Try us with your next shipment.
Silverwoods Limited
London, Ont


Write for Prue Beokle boe
THE MOFFAT STOVE COMPANY LTE.

LOUDEN
arn Equipment
SAVE The-Save Lumo-savi Exprene Jur new catalogue deecribet ever
ind of device for money-malicg an
Whe

LOUDEN DEpt. 1, Guelph, Ont. CO.
"1900" Gravity Washer

1900" WASHER COMPANY
$\qquad$


## costs least

Because It's Sold Direct From Factory to Farm (Freight Paid). PAGE FENCE costs least to 11 purpose. Instead of light
we use ALL FULL NO.
point (including the locks). PAGE FENCE is woven
 under unirom tention
Every
spaced. PAGE locks never slip--
nor iniure the wire.
PAGEE galvanizing is practically
rust-proof the rust-proof the
used on fence. Because of its honest
materials and careful manship. PAGE FENCE



PAGE WIRE FENCE COMPANY LIMITED Dept. 1-1137 King St. West, toronto
The Windrow
They use Maxwell's Ohurns in Denmark-

 Emixame

In spite of his limited knowledge of
English he gets home "You don't get ready or 1 wall $\begin{aligned} & \text { fight } \\ & \text { "ou in nine hours" crystallizes the }\end{aligned}$
you in
mobilization terror at tions; and "I am a country. I am not
a road," is worthy of the most brilliant
of british enicramiction of British epigrammists-although the
phrase is solid truth, as few epigrams
are-Glasgow (Scothon

> ANiMALS IN TIIE GREAT War.
The Anmals' Guardian quotes from a
letter dated September 18th: on a bridge under a tornado of shell
fire to put a bullet through a poor horse's. head to end its suffering ?
Colonel and I rode over the ailly bridge, at at rode over the amful Holv. He stopped, pulled out his rea
volver, got off, and shot a horse. Then remounted. At other moments four
shells at a time had struck that bridge. done, not one act of mercy was being
later it was white tit ten seconds Such is life. "A hundred yards away stands a
ruined farrm. The skeleton of the rool
shows the rafters smashed as if they were matches. Fifty dead horses could
be counted round the devastated farm-
stead, and the fields were strewn with the bodies of the Veurne-Amblacht cows,
a milk-producing district of which Furnes and Dixmude form the of whiste."

Soxis of the britisli soldier. Seriousness seems to be the note of
most of the British soldiers' singing, in Thte of some charges of frivolity. The
Iondon Evening Standard prints the craverses these subjects. Milligan, which
us that he once tells
"ame on a big Presbyterian belonging to the Cameron Hesb-
landers," who, "though
landly in l,adlys, was lying there singing with the
veal of an elder the words of the
twent "In (ourd fpare moments we delight in
"inking some of the old songs that re

MARCH 11, 1915
LEARN DRESSMAKING


Selected Seed Grain














 Terms:- Cash with order, all goods
Warehouse, Guelph
Established over 44 years. Hewer Seed Co., Guelph, Ontario

Sherlock-Manning
"Canada's Biggest Piano Value"
THE SHERLOCK-MANNING PIANO

THE FARMER'S ADVOCATE.


Brightens the colors of linoleums and leaves a dry, smooth surface that doesn't readily hold dust. Contains no grit to scratch or wear the finish.


THE FARMER'S ADVOCATE
FOUNDED 1866


## c.

Advertioements wim bil be iniserted under this head
 Can wortas. Names and addresese are counted
Certisement and inserted for mpany the order. No ad
than 50 cent. vertisement inserted for less than 50 cents.
$\mathrm{F}^{\text {ARM manager- Situation required by }}$ bexperi
enced farmer with college training; up-to

 Driled wel with windmill. Must be sold.
memediat posession given, easy. terms, apply:
B83 Hale Street, London Jct... Ont. F ARM Superintendent wanted for Public InMust understand not only cropping, but improving,
land, keep accurate records. and be thoroughly
competent to superviec


 Eight years' experience with light and heave
horses: stricly
Winonat ont. temperate. Write W. E. Chase,
 milker. Apply Weldwood Farm, Farmer's Ad-
orace. London. Ont.
W ANTED-By the year, a thoroughty com$W^{\text {ANTED-By the year, a theroughy com- }}$ detent single farm hand of tomperate habits.
Addrest: E. H. Toll, R. R. No. 1, Blenhimeim.



$\qquad$



 compertite est mates. Surd rough sketch, of your
Ideas, whet her house. church, school, etc.
Antrones. Durham County Farm For Sale

 hundred. JoHN FISHER \& COMPANY
Lumbden Bldg...

式 (

MARCH 11, 1915



 Dienty
olumns
olo cents

Not Understood
Not understood, we move along asunder;
Our paths grow wider as the Our paths grow wider as the seasons
creep
Alonk the ears; we marvel and we won-
Why life is life, and then we fall ${ }^{\text {astepp }}$ Not understood

sions
And hug them closer as the years go Till virtues often seem to us transgres-
 $\underset{\text { Not understood. }}{ }$ Not understood! Poor souls with Ot measure kiants with their narrow The poisone: shatts of falsehood and Are oft impelled 'gainst those who
mould the agee, Not understood.
$\qquad$ Which lion beneath the surface and the And disreararded, with selt-satisfaction
We judge our neighbors, and they often ${ }^{\text {go }}$ Not understood Sot understood! How trifes often The change us
that
tancied ste silight Destrovy toncieng siearats of triendship, and

blights Xot underestond

 o god ! that men would see a nitllo Or junterereres. harsthly where they can) Goded that men would draw a nitle To one anothere-thyed the nenerer Thee.

Sentry Go in South Africa. Did you ever hear the Roer chidren
say. that they heard a dead bays's voice crying near the camp?" she asked.
".She" had taught in a South African



 Sorte and Poultry Foods and remedies.
Write:
London

Canada's Champion
 $\frac{\text { JNO PRINGLE, }}{\text { POULTRY WANTED }}$


## Buy High-Grade Flour

Direct From the Mill MAKE the best $M_{\text {bread and pastry }}$ you've ever tasted. Prices of flour and feeds are listed below. ed as desired be assorted as desired. Ons shipbuyer pays freight buyer pays freight ments over 5 bags we will prepay freight to any station in Ontario east of Sudbury and south of North Bay West of Sudbury and New Ontario add 15 cents per bag. Prices are subject to market changes. Cash with orders.

## Cream oit West Flour <br> the bard wheat flour that is guaranteed for bread

GUARANTEED FLOURS
Gream of the Weest (for bread)
Toroen ©itr (blended for for all parpoese
Oeeer
Monarch (makes dellicious pastry)


| Monarch (makes dellcious pastry) ........................... ${ }_{3}$ 3. |
| :---: |
| Graham |
| 3.50 |

FEED FLOURS
cerears
Gream of the West Wheatletg (per 6-1b, bag)
Norweglan Rolled Oata (per 90-Hb. bag)
ferds
Bullrush Bran
Extra White Middling
Whole Manitoba Oate
Crushed Oats.
Chopped Oats
Choped
Whate Corn
Cracked Cor
Cracked Corn
Feed Cornmeal....
Whole Fred Bariey
Barley Meal
Geneva Feed (Crushed Cor
GII Cake Meal (old process
Cotton Seed Meal........

guaranteed for any lensth of ti............200 No order for bran or middlings accepted at these prices unless flour is ordered at the dered without flour 10c. per bus higher than these prices. Special prices to farmers You can get a free cony of "Ye Olde Miller's Houshold Book" (formerly Dominion
Cook Book). if you buy three bass of four. This useful book contains 1.000 carefully selected recipes and aut arree medical deaprtment. If If ou alreak chave the former edition
(Dominion Cook Bookk, , you may select one book from the following list each time you
(1) Dominion Cook Book.) you may select one book from the following list each two you
rder from us not less than three bags of flour. If you buy six bags you get two bo postage. Remember at least three


The Campbell Flour Mills Company Limited (West) Toronto


TIES AND FENCE POSTS



First-Class Clydesdale Stallions

 Mention Advocate




MARCH 11, 1915


Modern Diplomacy, Or "How the War Started.
 Get down on your knees,
And apologize, please,
Or r'll kick you right oft my front Said Servia, "Don't venture too tar,
Or r'll call in my uncle the Czar; He won't see me licked, Or insulted or kicked,
So you better leave things as they are." Said the Kaiser, "I'ush in that Serb's It will teach him to stay in his place; l'm in the game, ton,
and right quickly we'll settle the case." The Czar said, "My cousin the Kaiser, He's determined to fight;
$\qquad$
"For forty-four summers," said France
"I have waited and watched for a chance
To wrest
Fromen thace torraine From the Germans again,
And now is the time to advance Said Belgium, "When armies immense
Pour over my, boundary fence Pour over my loundary fence,
I'll wake from my nap,
And lut They'll and rut unt a scrap hap, Said John Bull, "This 'ere Kaiser's a And 'is word isn't worth 'art a bob,
(If I lets lememer 'ina wank bloomin' dufer) Said Itals, "I think I'll stay out
Till I know what the row is about: It's a tar better plan
Just t.a will thy baman'. Till the iscue is plain beyond doubt.' Said our Encel Incle Samuel, "I swaow
I had bet wer kewp out of this raow, For with Vormons and Niggers,
And wraturs, 1 figgers, Said Canadla, Whoth Bull is all right,
So I'll inst So I'll jhes take. a hand in the fight;
For tor. wit lots of stuff
$\qquad$
A Battle in a Dream.


THE FARMER'S ADVOCATE

 Building Materials "British through and through"

0UR plan of low prices direct to farmers, freight prepaid, and selling only honest British-made goods of splendid value is the "Metallic" way of building up home industries, and we look for the support of every loyal farmer in Canada. The 30 year old "Metallic" reputation for integrity and absolute satisfaction, is your protection in dealing with us.
The Famous "Eastlake" Shingle This is the first and biggest success in the Metal Shingle
business in Canad. No ther Metal Shinge has ever com-



, 2.


Sond to illutrated price ilitid ind det wo


No Koystone or other foreign-made sheets. used-overything
British. to io our fan Brith. So is our famous low priced "'Empire"' Corrugated Iron,


Phin Pin "What "What We Have We'll Hold"


When Writing Mention The Advocate

Dr. Page's English Snavin Cure


(2) mavys

Steel Rails
for Bridges and Reinforcement Cut any Length
 Harab FERTILIZRS

[^1]
## A Question of Temper

 A cross section of a piece of Soft Plows. The entire surface of Cast Steel is as hard as glass. The Centre of tough, unhardened light, plowing is a pleasure and it is an easy matter to remain even-tempered.(1. But if the plow is not suitably tempered, will not scour, and will not do satisfactory work even at great expense of labor and energy on the part of both team and driver-well it's no wonder one's temper gets the best of him

## Verity Plows

are made from the highest grade of Soft Centre Steel hardened by the Refrigerator process which ensures all parts being uniformly hardened and free from soft spots or other defects.

Massey-Harris Co., Limited. Head Offices-Toronto, Canada - Branches at

Montreal
Regina, $\qquad$ Wift Curren点 Erkton, Edm
I. Have you ever noticed when plowing how your own temper reflects, as it were, the temper of your plow? If the Plow is properly tempered so that it scours easily, turns erfect furrow and runs


Starved
If years of cropping have used up the PlantFood in the soil, you must supply commercial Fertilizers to replace it.
Do you understand how
to do this profitably?
"he "Bumper Crops" is just
the book to show what
Plant-Foods to use for
each crop and how to use
them, to get the best re-
turns.
FREE if you use this
Shur-crop izer

GUNNS LIMITED, Gunns Limited
West Toronto.
I am interested in GU
Shur-Crop Fertilizer.

## Clover Seeds

## Government Standard

We are situated in a heavy fertile where a great deal of Clover Seed is grown. Our aim is to buy direct from armers, and sell direct to the farme our seeds on request. You send cash with order, and if seeds do not entirely atisfy you on arrival you ship them back at our expense, and
money. Bags are 25 c . each ${ }^{\text {RED CLOVER - No. }} 1$ Government ${ }_{\text {Stan.50 }}$ EED CLOVER - AImost as pure as No.this. Grade No. 2..
 Guelph. Gradee No. 1 for Purity.:
IIMOTHY - Very bright and clean. Grades No. 1 for Purity Known ai Ontario Variegated etc. Grown here lor over 30 yeare. Grades about No.
2 for Purity.
Supply limited.
 SBED OATS - Silver Mine and Regen-
erated Banner. Ask for prices. .A.C. No. 21 BARLEYY-Ask for pricear All prices are per bueh
next tosue of thio paper.

## The Caledonia Milling Co. Lid.

Caledonia, Ont



You Should Have
Adams' Furniture Catalogue No. 7
 The Adams Furniture Có. Limited

Toronto











 Usind

 and a buman in whe to Fromt who so






 Fw.


All Penman Products are Made in Canada.


Farm Properties Wanted


## Chiclets <br> really delightful THE DAINTY MINT-COVERED CANDY-COATD CHEWING GUN



STAMMERERS



A Self-Starter for the Farm For an early call Tie has two calls that fills the fields on straight five-minute ring $\begin{array}{ll}\text { time-for early yields } & \begin{array}{l}\text { or ten gentle half-minute } \\ \text { reminders to bring you }\end{array} \\ \text { that fill the bins- } & \end{array}$ that fill the bins- reminders to

$$
\begin{aligned}
& \text { For a business-like If not found at your dealer's } \\
& \text { farm system that gets }
\end{aligned}
$$

 and according to plans- bring him postpaid- $\$ 2.50$ in th Big Ben.

|  | CANADIAN |
| :---: | :---: | :---: |
| OUR IDEAL |  |$\quad$ SEEDS



THE FARMER'S ADVOCATE


CONSIDER WELL THE HARDIE FEATURES
SlMPLCITY OF CONSTRUGTION
 omly
proven beb
pest.
Strencth-The liberal use of high-prade
 BiG CAPAGITY-Our pumps are properly
designed and buit by
Wisprater spocialsts.

the nozele and build accordingly:
HIGG PGRSSURE-We use a powerful
 presed steel frame
gervice Frost-proof engine-we use the
 nd reliable. Plenty compact, strongls buil Pressure regulator -a simple
 are off
t.iT
 btained.

Whether your orchard is large or small, there is a Hardide Sprayer to folly your
requirements, assuring you spraying successs. with a Hardie Hillside Triplex Hardie Western Triplex Hardie Duplex Hardie Junior

 distributors for canada
The Biggs Fruit \& Produce Company, Limited,
Burlington, Ontario


\section*{The Improved "Ideal" Farm} and Stock Gates | Possess Fenares That |
| :---: |
| No other Gates |
| Have | Should the BRACE WIRE in an ordinary gate become slackened

or broken, you know from or broken, you know from experience that it cannot be tightened
or replaced so as to make the gate as serviceable as when you
buight it bought it. our patent hinge-clip

 is our patent latch way, Raise the thumbt hatch aATES. It is positive and can be opened either
swing it shut it alw thes the gate open; when throught These new features are all
 of "IDEAL" GATES.
The McGregor Walkerville

## HAMPSHIRE SWINE

I have at the present time some extra good Hamp, hire boars, 5 and 10 mon ths
old, that I will offer at a price that will sell them turinat the arext 10 d doves. J. H. RUTHERFORD, Box 62, Caledon East, Ontario

Questions and Answers.

 rind witer veterinary, guestions, the sumptome
especially must be fully and dearity sateted, other

 | $\begin{array}{l}\text { veterinary or legal enquiries, } \\ \text { enclosed. } \\ \text { Miscellianeous. }\end{array}$ |
| :--- |

Possibly Blackhead.
$\begin{gathered}\text { We have some } \\ \text { in turkeys which hatche } \\ \text { in early fall. } \\ \text { They are nearly fult }\end{gathered}$ grown now, but some of them have a
swelling around the eyes. The swelling swelling around the eyes. The swelling
is of a palepink or flesh color. Is it a disease? What is cause, and can it be
cured, or should we destroy the birds? cured, or should we destroy the birds?
We have destroyed two which seemed very badly swollen, an
not quite so bad.
not quite so bad.
Ans.-1f a post-mortem examination made and the liver of the birds found $t$
be covered with yellowish - whito be covered with yellowish - white spota,
somewhat enlarged and sunken, it would somewhat enlarged and sunken, it wous
Indicate that the birds have blackhea
In You might send a diseased specimen to
the Bacteriological
Department of the Ontario Agricultural College, where the
will he abte to tell will be able to tell you whether or no
the disease was blackhead. In the mean time, isolate all diseased birds, clean u
the pens and disintect the pens and disiffect the premises. It
is generally advised to kill and bury or

## Cream Troubles.


 pans. The cove does not conne in thil
May 19151. Ceram gets yery frothy when
churned. What would be churned. What would be the caune?
Ans.-The troume is micriber.





$\qquad$
$\qquad$


$\qquad$


WAR $\begin{gathered}\text { POST CARDS } \\ \text { Just Pulished } \\ \text { Beatifuly } \\ \text { Colord } \\ \text { Tivem }\end{gathered}$
20 for 25 c. 44 for 50 c c. All Different
Ran. A. Soanes ${ }_{\text {box }}^{\text {box }}$ Toronto
Strawberry and Raspberry Plants

$\underset{\begin{array}{c}\text { Che } \\ \text { Imperial } \\ \text { big advertisement in next week's }\end{array}}{\text { Lour }}$
big advert isement in next week's
issue, entitled:
"It has an in interesting message for YOU
Dalmeny Special ${ }^{-1}$ Sooten yariey, im:



SEED CORN
Well matured. Many varieties.
march 11,1915


THE FARMER'S ADVOCATE.

 right, but it hard or rongh ste crippies
and stumbles. Sometimes she appears
lame in one leg and sometives in the other. She does not point, stands fairly.
straight.
2. Heavy mares in foal have itchy
H. Thy legs. They keep rubbing then topether,
when out rub theul on tence, etc.
$\qquad$



Work per second. In average man
weighing atoot 1-1Nas much as ant ave



## Hmmmin monimairy <br> Facts To Know When Buying Cross－Cut Saws <br>  <br> $\qquad$

Non 1，000 Chauffeurs





O．A．C． 72 Oats for fint boan cuint






Questions and Answers． Miscellineous．
 1．Can B lee his stock run at large io
the lane without consent of A Cacin is put gate at the end of hane

$\qquad$
the sulbiject and setlec wint
Growing Beans


$\qquad$
 21 inches or 28 inches apart ${ }_{\text {E．．}}$ ．







 Hen Manure for Vegetables． I have quite a quantity of hen manure．
＂an you tell me for what vegetables it Can you tell me for what vegetables
is best，and should it be mixed wit
something else？If so，what propo Ans．－Hen manure is suitable M．Mor mo egetables grown in ine garden．It
parts with its ammonia very quickly and parts with its ammonia very quickly and
heats quickly．On this account，it be－
comes available very shortly after it has been applied，and is very suitable fo
land that is in poor condition or deplet land that is in poor condition or deplet－
ed of humus．It makes a very good
mixture when composted with dry peat mixture when composted with dry peat
or muck．It should never be mixed with
lime or wood ashes unless used at once． Wenty to thirty bushels．of hen manure
Lenerally considered sufficient for one Lenerally considered sufficient for o
re．On account of its richness it
anfe to allow it to come in contact IIY quantity with the roots of plants．
if it is not convenient，however，to mix
it with leaf mold or peat or muck，sit
muld be thoroughly mixed with the soil
 quarter to one－half its hulk of muck or
leaf mold will allay lurning the plants，
or pyon lese will do if it is thoroughly mixed with the soil．
Building Hen House
$\qquad$ $x$ 46．making it in two parts，leaving
threu－foot hall all along the north side a feed－room and to gather the eggs amprove this plan，as my house Ontside with rough lumber，and cove
with corrugated iron，then board on in ide with matched lumber and fill
fith then hd the root on the same principl
house will be six feet on north sid

MARCH 11, 1915


Prices Advance March 20th
Owing to the fact that the Government has
placed a duty of $71 / 2$ per cent on wire coming into
Canada we are compelled to adlance our prices on
wire fence on the alove mentioned date.
Although the new tariff took effect February 12 ,
we are following our regular custom of notifying you
before we advance our prices, thus giving you the
opportunity of buying at the lower price.
Up to march 20th we will accept orders at the
prices listed below. After that date add 2c. per rod to
the styles weighing 111 bs. or over and 1 c . per rod to
all lighter styles. These prices are all freight prepaid
to your station.

| GUARANTEE |
| :--- |
| We guarantee our fence to be made from the best |
| galvanized hard stecl wire, both stay, line wire and knot, |
| and to be as perfectly woven as any fence on the market, |
| and of full Government gauge No. 9 wire. |

MADE IN CANADA


The Sarnia Fence Co'y., Limited
SARNia, ontario


414


THE FARMER'S ADVOCATE.

## You Make a Clear Saving of Dollars in Actual Money

```
as well as a saving of time and labor, when you put
up your fence with Standard Tube Posts.
Standard Posts will last-insects can't rot them, neither can water. They set firm in the ground-frost won't force them out.
You don't have to pay for labor digging post holes. You can put up your fence with Standard Steel Posts three times as fast as you can with wooden posts-and what is more, they cost less than wooden posts. It is the greatest labor saver in the way of fence
```

 that was ever placed on the market.

Write now for prices and particulars on Standard Fence and Posts

Standard Tube \& Fence Company, Limited
Woodstock, Ontario

## An Indestructible Concrete Fence Post

That WILL NOT ROT---RUST--BURN or HEAVE


Ontario Concrete Post Co. Limited

BRANTFORD, ONTARIO



Questions and Answers. Miscellaneous.
would Tread Mill.
1 would like to know, through your
valuable paper, how much valuable paper, how much lumgh your
what kind, to make a tread mber, and a saw or large machinery, Holl to muul
would it cost to build one, or whery a subscriber. Ans.- - It would pay you much better t.
purchase a manufactured machine would be more satisfactory, and would
cost, in the end, litter, it any, morra cost, in the end, little, it any, moner
Manufacturers should advertise in these

Permanent Pasture-Oats Per Acre 1. What is a suitable mixture of seere.
or seeding field which is rather permanent pasture, givisg rater wet, to
different kinds per acre different kinds per acre ?
2. Also state, with the reason amount of well-cleaned oats to sow to to to Ans.-1. The following is a very atil Yactory permanent-pasture mixturas:
chard grass, 4 ibs.; meadow feesue,

 2. It is difficult for us to state the
amount of well-cleaned oats to sow pe acre. Much depends upon the sion, pepon
the size of the oats, that is. whether or not they are thick hulled, bobause
thick hulled oot requir res more seod pe
acre than a thin-hullec. narrower aut As a general thing, from 2 to 2 buthele
per acre is considered a very good sedd Running a New Farn 1 have recently purchased a farm of 80 vated tor years, if ever. $\begin{aligned} & \text { My intention } \\ & \text { My }\end{aligned}$ sach grow about ten acres of potatos
each year for a commercial crop, then to o teed, sayt corn, roots, and otheren graii
 spring creek, which is flat. and is blact 1. What crop rotation would you ad
ise, when of necessity there greater acreage necssity there would bo
hoed crops each year
han any other ? 2. Have fall plowed eipht acres oa
stuble intended tor potatoes.
Had no
no
 oads in pile on field now, hauled from
fown this winter. How would you ad town this winter. How would you ad
vise preparing for seed?
3. On old sod, which is best for corn. tall or spring plowing?
4. When plowed in fall without ma hure, how would you advise applying in 5. What kind of soil is most suitable or growing alfiran ? and forage crop
6. Are artichokes a good
 the cost of producing milk per pound of
per quart? it so, where can they b 8. What breed is most used in the Cury business, and why? What are the arguments for and
9. a.gainst the use of a cement silo (either
Lon-wall or blocks), as against a wooder one ? oed crops, grain, clover.
2. Spread the manure on the land now
plow down

 3. We like spring plowing: some tavor
tall plowing. It depends some on land and other conditions.
5. . Spread on on ton and

$\qquad$ 8. There are several hreeds, all gods
Iolsteins, Ayrshires, ( inernsess, Jerseefs.



MARCH 11, 1915

## Clover Seeds

Government Standard No. 1 Red Clover... $\$ 13.00$ per bus.

 $\begin{array}{llll}\text { No. } 1 \\ \text { No. } 2 \text { Alsike "، } & \text {.... } & 12.00 \text { "، } \\ \text { No. } 2 & \text { s } & & 11.00\end{array}$ No. ${ }^{2}$ No. $1 \underset{\text { (Northern) }}{\text { Alfalfa }}$
12.00
A.
 No. 3 Timothy .......... $\$ 4.25$ per bus. Terms cash with order. Bags
extra, at 25 c . each. On all orders extra, at asc. each.
east of Manitoba of $\$ 25$ or over we
We guarantee pay the freight. We guarantee
seeds to satisfy or ship back at our expense.
sk for samples if necessary

TODD \& COOK | Seed Merchante |  |
| :--- | :--- |
| Stouffille | Ontario |



SAVE-TEE-HORSE
BOOK FREE Gerald McCarthy, 96 Pond Street, St. John,
writes. Hlease send me your aletest bokk It insed
your remedy on a Ring Bone and cured it. Cy. Brugsemar, Rockyford. Alta, writes: Yous
will find I bought a betle of Save- The Horse
a year ago. It cured my horse of a bad bweeney. it gave curea sataction hrse from the
beginning ind $I$ had to use Save-The-Horse on a
big place. REMEMbER-
Horse works as
 BUT WRTE, and we will send our Book-
Sample (ontract and ADVICE-ALLL FREt
(Horse (Owners and Managers-only). Address:



SEED CORN
Buy your seed Prom the Potter Farm. Guaran-
teed to germinate $95 \%$ or better. "Wis. No. 7" Write for circular. "White Cap"
 SEED CORN $\begin{gathered}\text { Many Varieties. } \text { Specially }_{\text {seed }}^{\text {selected and cribbed for }}\end{gathered}$

THE FARMER'S ADVOCATE.
415

Questions and Answers. Miscellaneous. Spring Wheat. Will you please tell me what is the
best kind of spring wheat to sow on
sondy sandy clay, how much to sow to the
acre, and what is the best time to sow
it ? Ans.-Sow as soon as the land is fit
at two bushels per ety is Fife.
Alfalfa-Treating Seed. 1. I have five acres of hill, majority
of which faces the north; land is mostly of which faces the north; land is mostly
heavy clay. I fallowed it last year, and
gave it a heavy coat of barnyard gave it a heavy coat of barnyard ma-
nure and sowed to wheat, which nure and sowed to wheat, which got very
little top. This land has been frequently seeded to red clover, but has never been
seeded to alfalfa. Could I expect a catch of alfalfa on it if I seeded and harrowed lightly as soon as dry enough
in the spring ? How much seed per
acre would be acre would be best? Providing I got
a catch, could I prevent it from winterkilling by giving the wind-swept knolls
a light coat of manure in the fall or
winter 2. Is formalin as good as bluestone
for wheat? What proportions of forma-
in and water should be used for lin and water should be used for a
bushel of wheat, using the sprinkling
method? What proportions for oats and barley?
Ans.-1. It might catch under s. Fuch
conditions. Sow 20 . bs.. per acre. Top
dressing would help. There would be dessing would help. There would be
danger of winter - killing on such an
exposure. Inoculate the seed. 2. Yes. See article
for smut in this issue.

## 

 sell either locally or farther away.2. Only through our advertising col-
umns. Get in touch with commission
houses in our umns. in in large towns and
houses our
3. See article in this issue. 4. Well worked. it should be.
4. They are not difficult to grow under
proper conditions. Try cliy markets.
5. Makers should rdvertice 6. Makers should advert1se. 1. What kind of oats matere same
time as 0 . . . . No. 21 barley it mixed
and sowed together . Would it be ad-
visable to mix in a tew peas for heavy
feed, to be sown on light, loamy soil in a good state of cultivation?
6. What variety of corn is best for
early feeding in fall with colss on? If
sen If season is tavorable, I wish to plant it
early, so as to feed it when pasture gets.
short. Will it help kill chain grass in its early start if sowed broadcast
7. What variety of oats is best to sow
on heavy, clay- loam soil, in grod con-
dition to ohtain a heavy vield. one that the straw will not break down tor
much? How will American Banner be for such results? and. Sensation is
hest for heary land
heavy yielder, but weak strawed, and


## In a Class by Itself for Sheer Rugged Strength You don't need telling what tough, hard soils will do to a lightly built cultivating implement, or one with flimsy gimcrack attachments. In building our New PETER HAMILTON Stiff Tooth Cultivator we lkept in mind the great amount of unusual hard and trying work an implement of this kind is called upon to perform. In every part, you'll find this well-made Cultivator of extra- <br> New PETER HAMILTON Stiff Tooth Cultivator



nImp.-Clydesdales, Stallions and Fillies-Imp. We have had lately landed, an exceptionally cholce Importation of Stallions and Fillied
They have the big size. the clean, flat uality bone and the most fashionable breding

Percheron Stallion $\begin{gathered}\text { St. Charles } \\ \text { exchange: } \\ \text { will } \\ \text { cow exchange } \\ \text { cor heifers. }\end{gathered}$ Albert Mittlefehldt, Snaithfield Station, T. H. \& B. R. R., Wellandport, Ontario

416
Wake Your Lame Horse Sound, Like This
You Can Do It While He Works. We want to show you that there isn't
anyaffection that causes lame neess In horssis
that can't Le cured, no matter of how long that can't be cured. no matere of how long
standing, We want ot send ou our hn-
truuctive book, "Horse sense" No. 3. We


CLYDESDALE STALLION

 Alexander sord reasonathyce es we are quitting the
Wlil be soll
tallion business; guaranted sound and sure foa
 Mckinley \& Rawlings, Props.
Apply to: JOHN RAWLINGS, Forest,
Clydesdale, Percheron French - Coach and Hackney Stallions HENRY M. DOUGLAS \& CO
Oueen's Hotel,

ACME FOR SALE


 R.R. No. 4. R. M. HOLTBY Manchester G.T.R. $\begin{gathered}\left.\begin{array}{c}\text { Mort Perry, Ontaric } \\ \text { Myrtle C.P.R. }\end{array}\right]\end{gathered}$ Dr. Bell's Veterimary Medical Wonde
 Ror mailing, packing, etc. Afents wanted. Wenter
ddress plainly. Dr. Bell, V.S., Kingston, Oni
dit $\underset{10}{\text { Strawberries }}{ }_{10}^{-50}$ varieties: Raspberrifes, 10 varietles. Free Catalogue R.T. Mrronnell \& Son. Port Rurweli OnI
Res. Banner Oats and O. A. C. 21 Barley from
prizewinning fields. Good sample oats $\$ 1.00$ per


THE F'ARMER'S ADVOCATE
Questions and Answers. Miocellancous.



Ormsby Grange Stock Farm, Ormstown, P. Que.




 ship at Montreal 1914.
Clydesd ale Stallion. Imported-Fyvie Time (16602) [13588]-A grand, blg, styliah horre 17
hands of a light-brown color. with but litte white; massive bone, good feet and showy action

Shire Stallion, Imported-Bramhope Freebooter [1097], Vol. 35, E.-A true Shire type,
with size, form, bone and action; a rich bay, white on both hind legs. Foaled 1912. Slire Crosbby


Ormstown is reached from Montreal. G. T. R. Trains leave at 7.20 a.m. . and 4.40 p.m.
Write, telegraph or telephone, and you will be met. Farm is one mile from station.
D. McEachran, Ormstown, P. Quebec


Stallions Imp. GLYDESDALES Fillies Imp. we have just ended the season's show circuit with a practically, clean up of every:
thing worth winning and can show intending purchasers the biggest and choicesi
selection selection of stallions and fillies, imported and Canadian bred, we ever had SMITH \& RIGHARDSON, -


 Royal Oak Clydesdales Presentofiting:5 Imported Mares (3) with

MARCH 11, 1915


TISDELLE'S SEED CORN High germination test. White Cap Yellow Dent.
Grown on our own farm. cisdelle bros., Titbury, Esser Co., Ont
Essex Grown Seed Corn Five varieties. Money refunded if not satisfec
For particulars, writey
R. . No. No. S. South Woodslee, Ont
Aberdeen Angus Cattle




1889 --- If you want HEREFORDS --- 1915 Write: H. DUDLEY SMITH, "Ingleside Farm," Rural 1, Ancaster, Ont Canad's Champion Hereford Herd, 1915 Hian


10 Shorthorn Bulls, 9 Imported Clydesdale Mares
$\qquad$
PLEASANT VALLEY FARMS SHORTHORNS
Glenallen Shorthorns

SALEM STOCK FARM HoME OFHM,

418


Cedarsprings Shorthorns and Tamworths
Preana ofering: Tounk bull out theiefor hat in

 For Sale-"'Ly nore Duke," aze 1 year and
monthe-from imported stock-highly bred. months-from imported stack- iligly bred
BERKSHIRE PIGS For Sale-Boars and sows, 9 months, 4 months
and ${ }^{\text {and }}$, months. from chloice Imported $\begin{aligned} & \text { English }\end{aligned}$
Stock. LYNNORE STOCK FARM
Wallace Cockshutt.


THE FARMER'S ADVOCATE.
FOUNDED 1866

Questions and Answers. Miscellaneous.
Varieties of Oats. What kind of oats would you advise
sow on high, sandy soil ? sow on high, sandy soll ? Siberian, or Cleaning Carpet. Could you kindly tell me how
move a stain from carpet caused by black
huid dropping from sto pine. fluid dropping from a stove pipe?
Ans.-We R. T. successfully do the work.
Fox Farming. Will you kindly publish in the near
future the natue and address of any fox-
caiser in (Ontario? is a fox farm in the vicinity of st
George, or (ieorgetown, Ont, but can
get no further information concerning it. Ans.-We must decline to publish free
advertising for fox farmers as well as for all others.
Cutting Pulpwood. I let out a contract to cut pulpwood
by the cord to two young inen. I.ater. they engaged a third man to help them.
When they quit work they were still in
debt to me for supplies. The
 claim legal, seeing I never employed
him? Nor did innow on what terms
he was working until after the others Ans. -14 you made no contract with th
third man he cannot collect trom youl He must look to the person or persons
Hiring him. A A Surety, B bought articles at a sale to the
amount of $\$ 60$, and I went his security
on note, receiving no value. on note, receiving no value.

1. What steps ought I to take it the
can't collect amount of note from B. Which, I presume, they can't?
2. What articles in chattels can a
farmer retain, and total value thereof from seizure for debt?
3. His farmm has a mortage against
it. C'an it be offered for sale without sanction from holder of mortgage?
4. Would you allow Bank to sue both
of us beiore trying to proceed to protect of us before trying to proceed to protect
mysself?
O. J. 11 .



| Execution Act (Revised Statutes of Ontario, 1914, Chap. 80, Secs. 3 to 8 , inclusive). (ienerally speaking, the chattels exempt are beds and bedding, wearing apparel, furniture to the value of $\$ 150$. fuel up to $\$ 40$, cow, sheep, hogs and hens not exceeding in value $\$ 100$, |
| :---: |



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THE FARMER'S ADVOCATE.


Gream Wanted


Valley Creamery of Ottana, Limited

Questions and Answers Miscellaneous.


The Oxford District Holstein Breeders' Club Will Hold Their Fourth Annual Sale of Registered

## Holstein Cattle

In the City of Woodstock, on
Wednesday, March 24th, 1915
And will sell 90 head of choice young cows and heifers, and bulls ready for service. Parties wanting good foundation stock should attend this sale, as we intend to make it the best of the season. Catalogues will be ready for distribution by the Secretary after the 10th of March.
$\underset{\text { Vorwich. Ont.. President }}{\text { James }}$
W. E. Thompson
A. E. Hulet, Norwich, Ontario, Sales Manager

Holstein Cattle and Yorkshire Hogs

hamilton
Riverside Holsteins
PO. TIAC KORNDYKE, and a brother of PONTIAC LADY KORNDYKE
J. W. Richardson, R. R. No. 2, Caledonia, Ontario CLOVERLEA HOLSTEINS Herd headed by Pontiac Norine Korndyte.
 Bayside Holsteins $\begin{aligned} & \text { Stock bull. Pontiac Hermes, a brother to the dam ot on } \\ & \text { This is the herd that pro- }\end{aligned}$


DAWSON, Manager



VILLA VIEW HIGH-TESTING HOLSTEINS


MARCH 11, 1915


Pirst-Prize Calf of Lambton County Juned and raised by D. A. Graham,
Wanstead, Ont., the well-known stock breder. Captured the cash prize at
Lambton County Fair, Sarnia, October, Lambton in spite of strong competition, and

## Gardiner's Calf Meal

© The Perfect Gream Substitute Contains absolutely no filler or cheap
by-products. by-products.
Made in canada $\triangle$ trial convinces. Write for prices. GARDINER BROS., Sarnia, Ont.
 do you spray for them?
3. I want to trim my apple trees it
Warch, and ans I have never trimmed ans Could you advise how to do it?
4. Do you know any cure for con with big kneess" We have several just
F. J. M.
like a puff ball.
Ans. -1. The Molntosh Red is a fall
ald and early winter dessert apple; the spy,
a standard winter sort. Both are high
class in their place.
2 It would pay to pet a spraver,
Methools of spraving will be outlined in our "spray Calendar" in a few weeks.
3. Avoid cuting tow many big limbs. Take out all dead stuff, all cross limbs.
cut back if rees are high. and thin out
the cond tranches. The idea is to let
light into the tree. also a free circulation of air and to. stimulate the branches
left be cutting cont othertsle injurs quite
4. ion It is a stable

Sweet Clover, Rye, Salt, Etc.

Holsteins


The Maples Holstein Herd




'THE FARMER'S ADVOCATE


730 times
every year you use a Cream Separator

$N^{\prime}$
other machine or implement used on the farm there any other farm machine or equipment with which quality of work means so much and first cost means so little. If the separator runs hard, gets out of order or isn't easy to wash, it's a constant bother, and it only takes a very little loss of cream at each separation, when multiplied 730 times, to run into a good deal of money, very soon more than the original cost of the machine. But no matter how small the loss, it is too big a handicap for any cow owner to try to work with.

As a matter of fact, the men who know most about cream separators, the creamerymen, long ago came to the Conclusion that the De Laval was the only machine they could afford to use. That's why $98 \%$ of the cream separators used in creameries and milk plants the world oven

## All the more reason

 why you should buy a
## DE LAVAL

## An matter where you go you will find the biggest and

 Fxperiene hac taubt them that it the best and most coonomical cream separatorYou don't have $t$, experiment with cream separators any more. because the men who are best able to judge as (0) the merits of the cream separat or have already done that for you, and the result of their conciusion is evidenced loy the practically exclusive use of the I)e Laval in creamfarm and dairy size De Lavals -more than all other makes combined are in daily use.

The nearest De Laval apent will be glad to set up a machine
for you and arrange for payment of same as is most con-
venent If you dont know the local De Laval agent
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De Laval Dairy Supply Company, Limited

he name that assures the best quality in
SEEDS, PLANTS and BULBS.
ALACRITY TOMATO An Extra Early Red Variety

 Full size packet, 15 c .
Write for Catalogue.
Wm. RENNIE Co. Limited
Adelaide and Jarvis Streets,

## Rice's Salt

The purest and best for table
and dairy use
North American Chemical $\underset{\substack{\text { Company, } \\ \text { Clinton, Ontario }}}{\text { Limited }}$

Alloway Lodge Stock Farm 4berdeen-Angus Cattle, Southdown Some right good young Angu
bulls and heifers for sale.
Robert McEwen (Near London) $\underset{\text { Mron, Ontario }}{\text { : }}$



| D |
| :---: |
|  |  |

Maple Grove Yorkshires are as good 200 Head



 Poland China and Chester Swite
 Pine Grove Maratimeman wat

 Berkshires and Jersess-Betksthres fron
 Chester White Swine John Pollard, r.R. No. 4, Norwich, Ont


Improved Yorkshires
$\qquad$

THE FARMER'S ADVOCATE.
Questions and Answers. Miscellaneous.
 yred a man for a lump sum for on
year, the agreement being made by wor
of mouth. 1. If man leaves me without notice
can I take any action against him? 2. Can he clanm watees?
3. Can he legally quit by giting tue

International Harvester Oil Engines-Mogul-Titan


THE man who buys an engine without knowing be to take the IHC oil engine-recognized as standard in its construction; study its every feature other engines. That is the best way to choose the particular encrine which will do your work best 1 HC oil engines - Mogul and Titan - are made in all sizes from 1 to 50 -horse power and in every anled, vertical and horizontal. Thev operate on gasoline, kerosene and even lower grade oils, and When you bul an I H C engine, the engine is not all you get for four monev. Uur service is worth knownin about. Get aquainted where they are sold. Ask him for one of our interesting catalogues

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| :---: |
| Otumas. |

London. Ont.
Quebec, P. O. $\quad \begin{aligned} & \text { Montreal, Oue. } \\ & \text { St. Jobe, N. B. }\end{aligned}$


Shropshires and Cotswolds



$\qquad$

[^2]-the name of a book that
buildings may be made permanent
Thousands of farmers have read it. We are still ready to supply copies to those genuinely interested. Write to-day
BETTER BUILDINGS
he Metal Shingle \& Siding
Co., Limited, Preston


## Why Take Imitations WhenYou Can Cet the Real N!sco WideSpreader?


#### Abstract

There are manure spreaders on the market having names that look and sound like "Nisco" and "New Idea," but they are not the same machines. There's only one "Nisco," only one "New Idea," and we make them. Our machines bear the trade-mark shown in his ad. They are the best spreaders ever made. once and saving you half a mile of travel for every acre. It


## Don't Be Fooled!

The "Nisco" and "New Idea" Features Are Protected by Patents And You Simply Can't Get Them on Any Other Spreader All speclal features on these spreaders are covered by patents and the names protected by registered trade-marks. Look for the trade-mark and insist on getilar names or trade-marks are mitations. New improvements, the AXLE FEED and the STEEL DISTRIBUTOR of spectal design have just been brought Both machines are built low down for easy loading. The tracking spreader can-be built-42 inches at the rear. Both machines ha
TRIBUTOR.


Big Exclusive Features.
Special Feed Mechanism and New Steel Distributor Give a Spreading Area of 7 Feet

Axlo Foed-A big feature that every farmer wil appreciate. Kear axie
turns with the wheels when
going forward and stands still when backing.
Sorocket thrns wat one end of axle is used for driving the cylinders and cams securely keyed wheet at one enderate the feed. This insures a unitorm feed and distribution with
to other ond operate
out undue wear and does away with the ratchete clicking, which annoy horses.
 rows at once. Saves half a mile of travel per acre. Spreads eo evenly the manure
looks as though it had been sown wo machine except the "Nisco" and "Ney
Good Live Agents Wanted
We Have a Money-Making Proposition for One Man in Each Territory Get in now and clean up. The European war has revolutionized farming
methods. Canada for years to come must \#\#ll the bread baskets of Europe. This
 We have a high grade attractive proposition for you if you will write now for
details. ef you are merely

NEW IDEA SPREADER CO.,


When Writing Please Mention Advocate



[^0]:    The Pilgrimage Church of the
    Madonna del Sasso.
    Madonna del Sasso.

[^1]:    the ontario fertilizers, limited

[^2]:    Renting Farm

