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engine, that in meeting every engine, that in meeting ever
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the work and cost of the work and cost of operating an engine.
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who can drive a horse can CHILD an Alpha. Simply oil it, turn on the fuel, give the fly wheel a turn
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## VoL. <br>  from A cl and we much proves



Vol. L.
EDITORIAL.
Save this issue with the others. The index
is valuable.
What's the use of weed-growing on land worth
A paddock for the bull will mean more and
The stock farm's equipment is not complete
Summer silage and soiling crops will soon be
getting in their best work.
If you cannot keep the summer-fallow clean
during the summer sow buckwheat now.
Have you tried home-grown mangel seed? It
seems to do well on the O.A.C. plots.
man who has held on to his breeding stock will
'The "yellow", newspapers of 1915 do not need a special, daily
day of thrills. $\qquad$
Have you spudded out the last Canada thistle from the grain field and uprooted the last dock

A clean farm with good, comfortable buildings much
$\qquad$ proves the flock. The corn field, after the corn
$\qquad$ Nevertheless it makes clean fields, and clean fields
$\qquad$ $y$ iife can fully appreciate the farm in June,
$\qquad$ with good farms. Is this true of your section?
$\qquad$ equal to the cow with a milk-pail attachment as German Kultur has been pictured as a submarine lurking in deep water to torpedo the
great passenger ship, Civilization. How true!
$\qquad$ Wh are fighting at the front. There will be increas$h$, soldiers in the trenches. Fememter "The Dol-
$\qquad$ fr the reason that no parent, no teacher thought tient interest the things he was working with. mimething more than ummeaning toil is needed to

LONDON, ONTARIO, JUNE 24, 1915.
The Man With the Hoe.
Ripples of merry derision once greeted the idea
that labor is a thing of joy, expressed from the
platform of a big Boston meeting of working peo ple. Joy is catalogued commonly as some-dencies-a separation accelerated by the schools Manual labor, if not another name for drudgery, think must govern those who toil." Getting on in the world means acquiring possession of the the banks. These go to the soft-handed. Joy is a purchasable commodity. Thus runs the
reasoning. Taboo manual labor. If as a last resort for getting a living or a competence, slide Throw off the jougs the minute the bell rings. Machinery, piece-work and departmentalism tends to a deadening monotony. But if an element least next door to joy can perhaps be extracted from making watches, or plows or selling shiris. discipline. The old association of drudgery with farming clings tenaciously, but happily new views
are securing a hold. Millet's ".man with the hoe," bowed with the weight of centuries, is a conception once largely true, but now passing.
Farming is the ideal occupation, because it combines manual effort with a maximum of intelli-
gence. Physical labor and knowledge make a
balanced and winning team. To clean row or field of corn and roots is more than drudgery. The mastery of weeds is something to profit. To take another step higher. The toil involved in producing No. 21 barley, the Marquis
wheat, a better strain of corn, or a more perfect, early ripening and prolific tomato delivers manual labor from drudgery and gives it a place of dis-
tinction. To look over luxuriant ground lately bare and rough is no trifling reward for honest
toil invested with the spirit of Him who said, shall say that the bee leads a joyless existence? The joy of farm life is reat
creatively with living things.

A Word for the Old Cow.
At what age should a milk cow be turned This is a question which the cow herself should answer in her yearly production. As a generat
thing a cow is considered an old cow when she has reached nine or ten years, but at this age some
cows have been known to just bgin th ir haviest production. Last wee's in a repo"t of a trip to
the Ontario Agricultural College we cited a case of a cow which has averaged, during the past
eight years, $10,001 \mathrm{It}$. of mill per year, and which in her ten-year-old form gave $18,200 \mathrm{nt}$. of milk, the largest amount during any one year
of her life. She is now eleven years old, and is likely to beat her last yean's record. Another
cow gave an average of over 10,001 !s. during the past six years, and this year in five and a
half months has given over $10,000115 s$, and is still giving 50 hes per day. This i; just another question is a good example of what can be and in and indication that the only way to correctly size up in the herd and the culling out of inferior calves a dairy cow is by using the scales and the test. and cows, keeping only those whose in-
The owner cannot go by feed fed, or by the age dividuality and production warrant their
of the animal. The cow may be old but if she remaining in the breeding herd. All

Hs. of milk or more than she has ever produced in the past, it would not be in the best interests and attempt to fill her place with a voung. tried animal which may never reach as high a Besides the actual production of cow is often a much better breeder than is a ever produced have been from cows of mature years, in fact getting old. As long as there is young stock in the old cow she should not be
turned away from the herd. The two cows men tioned are old in years, but just coming to their
prime as producers. Just now, when there is so much agitation over increased production and the be a good time to look into the matter and see
just where the oid cow stands as compared just where the oid cow stands as compared - with
the younger cows in the real test of milk production and value of breeding stock produced. Know
the old cow before turning her away to the butcher. Give her what her performance in-
dicates she deserves.

The Place of the Good Grade. There are those, who believe that a grade ani-
mal has no place in any herd or flock, but conditions are such in Canada that by far the largest
percentage of live stock must for years to come be grades. The biggest need is for enough highthese grade herds improving year after year, and
to get these sires a large number of hi rh-class, bred herds and flocks must be maintained. Every for the average man it is much safer to start desires begin operations with pure-breds. Some
grades may be developed in form and in production to such an extent as to rival the best in-
dividuals in the pure-bred herds of the breed represented. A few days ago it was our privilege
to see a grade Holstein cow which in one month has given 2,208 ' It s. of milk and 92.93 tbs of
butter-fat. 'This cow has made the highest monthly record ever made by any cow of any
breed, pure-bred or cross, at the Ontario Agriculturai College where many breeds are kept. She
has no pedigree, but she is a very high-grade cow she must pass as a grade. The point we wish to make is that it is possible for a man operatavailabe sires, generation after generation, to
work up a herd which will prove very valuable
as breeders and producers of course it is neces as breeders and producers. Of course it is neces-
sary, if high prices are to be obtained, to fol-
low the breeding of pure-breds, but there will always be a place for the grade, and that place
a big one. There is no room, however, for the inferior class of scrub cross-breds and mongrels
$\qquad$
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Josy wrlv, Manager.

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the fapurers ADVocatr and home magazine is





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TEE WILLIAM WELD COMPANY (Limited).
alk grades scrubs. What this cow has done should prove an incentive to owners of grade cattle to take more interest in their herds and improve them just as it they were pure-breds. The pure-bred sire is indespensible in any herd, and
the rure-bred herd is indispensible in any county, the pure-bred herd is indispensible in any
but the good grade must form the bulk.

## Reliable Crop Reports

Crop reports are of more value to readers than is information about any other enterprise, sporting page has its patrons, the comic section its devotee, but those who finance, manufacture, buy, sell, govern or rule must needs keep in-
formed regarding crops. Upon the prospects mirrored on the acres of the country depends
mhole machinery and financial status of the the whole machinery and financial status of the nation. The kernel of wheat and its innumerable
contemporaries which are sown in the spring time are responsible to a large extent for the in dustrial activities throughout Canada, but how much more important are the acres of grass that must nourish the 19,190,000 head of horses, catly
tle and sheep, and to a large extent indirectly tle and sheep, and to a large extent indirecty
sustain over $6,000,000$ head of swine. The wheat crop has a wonderful intluence up ability for human food and the various lines of endeavor made active by its movement; yet other farm crops are quite as important when we cont
sider the enormous significance of the manifold branches of industry dependant on the outcome.
The wheels of our factories are now receiving The wheels of our factories are now receiving
extran oil because conditions in the weit are so promising. A bumper crop will bring prosperity to the people, increase their buving nower and
affect the agricultural and industrial life of Can${ }_{\text {Climatic conditions are very largely responsi- }}{ }^{\text {add }}$
the prosperity of all other branches of public life depends. How necessary is it then, that those interested in work apart from actual farming should be correctly informed. We have through difierent departments of our Governments a means of learning how conditions are from time to time, and this information is just as reliable as are the sources from whence it comes. Requests are sent out by the various branches or a
vincial and Federal Goverment asking for a revincial and Federal
port on crop conditions. It is the duty of producers to respond accurately and to the full extent of their knowledge.
A bull or bear representative from a large wheat exchange may take a comfortable night back a report favorable to his own particular interests. He sees to it that such report is heralded throughout the country, 'reaching both producer of and dealer in wheat. This is of a prejuidicial complexion, and if the grower would see to it that untainted reports are submitted to the Governments and to the Press, his business
would be strenythened while the uncertainty in would be strengthened while the un
other branches would be dissipated. Fruit GrowAt the Fourth Conference Grimsby, Ont., last September, the late Robt. Thompson, then Manager of the St. Catharines Cold Storage and Torwar ing Co., adrncated that the Government
 crop through an unprejis as an example Mr Using the cherry crop of Thompson sanus in this country who would anded that there was a large crop of cherries. The growers do not want to admit that the crop is large, because they have a false impression that if they made such admission the price would be lower, but as a matter of fact it is the other way." The philosophy of this statement is very plain. If consumers expect an large crop and reasonably low prices demand will be increased to such an extent that the revenue to the producer will be rar
in excess of that when the buying public expect high prices, the grower inds a large percentage of the crop on his hands as the cherry grower did in 1914.
It is the duty and to the advantage of agriculturists to see that accurate crop reports are submitted. Whatever the medium may be through which the information reaches the reader, the produan the informaticn te urbiased

What We Owe
 routine of work, worry and pleasure, it is very easy
to forget the men in khaki at the front-the men to forget the men in khaki at the front-the men
who gave made the sureene sacrice and left
father, mother, brother, sister, wife and small children, or sweetheart-men who have put off
civilian clothes and put on the King's uniform civilian clothes and put on the King's uniform-
men who have lett all and risked all that thuse who remain behind may be safe from the monster which rolled over Belgium leaving nothing but desolation, destruction and death in its wake.
Where would we be to-day were it not for the boys in khaki? These men stand between their homes, their families, all Camadians and the greylad Prussians who wreak vengeance on innocent
and helpless non-combatants. including women
not and helpless
and children.
nombatants. incluang women
The debt those of us who stay at home owe the men who have gone, and are go-
ing, to fight our battles can never be paid. It will take tuore than a patriotic outhurst of enthusiasma as the troops swing by to square with
those whose lives have been laid down that we may live in peace and plenty, enjoying the free-
dom they have saved for us. stay-at-hone to make what sacrifice he can to
help our aruies in the field-1o pive some measure of relief to the terrible suffering caused by this awful conflict. If we cannot to we must pay.
No amont of moner we can give could compare io the giving of a life, an arin or a leger in the
cause of freedomy and richt. The other dav a husiness man remarkid that he had given $\$ 400$ to
the patriotic fund. and while he could il the patriot ic fund. and while he could il al ord
it accordinge to his own words, he felt that he thent have wiven his onls son He could give freely and willingly thousands all should give
comforts, ali the encouragement possible to the
boys on the firing line or about to leave for the front. When each one does his or her own the
dividual duty the load will be lighter dividual duty the load will be lighter for the
fighting heroes. It is our duty to help. All call not fight, but everyone can help.

## Nature's Diary

A. B. Klugh, M.A

A hird whose visits to the flower-garden always excite interest is the Humming-Dird. The
many ways in which this feathered jevel differ many ways in which this feathered jewel differs
from other birds accounts for the interest it arouses-its dainty sipping of nectar from the blossoms whist it hovers in front of them, the humming sound made by the tiny wings which vibrate so rapidly that one does not see wings
at all only a blurr, and the irridescent flashing of its plumage.
In the Fast we have but one species of Hum.
miny-bird, the Ruuly-thronated ming-bird, the (Ruly-throated, though many people
are led to believe that we have tao mecter the fact that the male has a ruby throat, while in the female the throat is white. In both sexes
the back in the back is green.
The Ruby-throated Humming-bird builds a neat, compact little nest, placing it on a limb,
and decorates the outside of the nest writh lichens thus making it very inconspicuous and very liable to be passid over as a knot. In this nest it depos: is two tiny eggs. On the Pacific Coast the
common Humming-bird is the Rufus-hacked which the back is copper-red, with a beautiful irridescence. Neither of theses species have any song, a sharp and often long-continued squeaking
being their only vocal effort. The other day
effects which mate the heart of the nature-lover sing. In an open space near the shore of Lake
Huron the ground was covered with Huron the ground was covered with huge masses
of red, white and blue. The red was the Painted cup, a flower perhaps more intensely, scarlet tha any other blosson wo have. We have numbers of pink, rese-purple, carmine, and deep red flowers
l, int very liut very few scarlet ones,
Fringeleaved
Houstonia growing plant. The blue was the Blue-eyed Grass.

This latter is of courss not really, a grass at all originating from its arrow probabl leaves. 1 took a color-photograph of the scene, so that in the winter days when wild-flowers are
no more, I can see it not only in my mind's eye no more, I can se
but on the screen.
In shallow water at the margins of lave ond ponds and on the bottoms of pools we find many different species of fresh-water snails. Though there are many species they belong to two main
types-one with a long-drawn-out spiral as types-one with a longorn an spiral, a Lymnaea type, from the name of the Genus to as shown of the species belong, and the other, as shown in fig. 2, the Planorbis type, in which
the spiral is practically flat. These snails belong the spiral is practically hat. These snails belong of the Animal Kingdom) which includes the
Clans, Oysters. Whelks and all other shell-fish, Clans, Oysters, Whelks, and all other shell-fish, a group which is represented in the sea by an
immense host of species, and which also includes the land snails.
The fresh-water snails feed very largely on by a good many species of fishes. Their eggs are found in gelatinous masses, either floating
free in the water or attached to the stems and leares of aquatic plants.
The species
The species shown in fig. 2 is Planorbis campanulatus. the specific name referring to the bell-
shaped aperture of the shell. This is a very common species, but there are other species equally common which differ from campanulatus of whorls in the spiral.
Fig. 1 is Lymnaea stagnalis, the specific name
here referring here referring to the character of the water in
which tit is usually found which it is usually found. Other common specie
of this genus have shorter Some day, when we have more observers of mon wild life of our country we shall have comfcrms, but at presont we mane oul the scientific names to call them by. And when the study of nature becomes more widely spread we shall have a great agency for keeping the boy, and the girl,
on the farm, for those who love to study the wild on the farm, for those who love to study the wild
things will not readily exchange the country witl its wealth of life for the "desert" of the city.
Fig. 2.-Planorbis.


## Canada <br> big Cl previou she was <br> of the <br> average due $t$ place and a work able the on was ing b <br> z <br> 有$\xlongequal[\substack{\text { few } \\ \text { fen } \\ \text { ing: } \\ \text { way }}]{ }$

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JUNE 24, 1915
THE FARMER'S ADVOCATE.

## THE HORSE.

The Brood Mare Thin But Useful. A few days ago we paid a visit to one of the leading stock farms in Wellington county, and on our way to the pasture field, wherein grazes daily
some of the cream of the Shorthorr blood of some of the cream of the Shorthorr blood of
Canada, we passed a small paddock in which a Canada, we passed a small paddock in which a
big Clydesidale brood mare was pasturing just big Clydesidale brood mare was pasturing just
previous to foaling.
The owner remarked that previous to foaling. The owner remarked that
she was a very good mare but in low condition. she was a very good mare but in low condition.
We stopped to take a look. The mare had, one We stopped to take a look. The mare had, one
of the best sets of feet and legs seen for some time, but she was thin and would appear to the average man rather plain. The plainness was all due to low condition, but, as her owner pointed
out, she is a brood mare and is kept on the place for the work she will do and the colts she will raise. She has proven a very useful mare and a successful breeder largely because she ${ }^{-1}$ is not kept fat and is made do the ordinary farm work along with other work horses. She is raising some expellent colts and is yearly proving valuable to her owner, who made the statement that
the only way he could get strong, living colts the only way he could get strong, living colts
was by keeping the mare down in flesh Was by keeping the mare down in flesh and mak-
ing her do her share of the farm work.
There should be a point in this for the man who has had what he is always ready to call " "bad luck"
with mares kept in too high condition "nd baid up too much during their period of pregnancy
 monly called a scrub on the farm, which gets very little care and is forced to work most of
the time has far better success with her colt than has the registered or perhaps imported mare
which does no work to speak of, and is fed which does no work to speak of, and is fed
heavily on grain year in and year out. If more
of the real good mares of the country were made do some work and were not fed so wany oats and somuch stronger rere no
less trouble were wo mound be less trouble with mares failing to conceive, and
also mares losing colts at time of parturition or also mares losing colts at time of parturition o
producing very weak foals which give trouble to raise. Every mare should do light work, pre ferably up very close to the time of foaling,
After foaling she should have rest for at least After foaling she should have rest for at least
two or three weeks, generally longer. Some who have plenty horses to do the summer work prefer
to turn the mare with her foal away to grass for to turn the mare with her foal away to grass for
the entire summer.
chance to get a start.
This gos tives the colt as agod
No mare should be called upon to do much heavy work while nursing a
foal. The main thing is to give work enougt during the winter and spring up to foaling time
to insure plenty of exericse, thin in flesh is more likely to produce a strong living foal than one over-loaded with fat.
Another point brought out in this instance
was the use of a small field or grass plot near was the use of a small field or grass plot near
the build ing. This particular mare was expected to foal any day when we saw her. The grass plot
right beside the barn made it an easy matter for
the stocke the stockman to watch her, and, after the colt
is foaled, during the period in which it is not safe to allow the youngster to get wet, the pad-
dock is very handy, being situated so that the mare and foal may bo quickly run into the stable
when a pessing shower comes
when a passing shower comes up.


#### Abstract

Horse Sense. While riding in an automobile a ferw days ago, While riding in an automobile a few days ago, the writer met a democrat wagon drawn by a the writer met a democrat wagon drawn by team of young, lifey, light horses. As the ma chine neared the team, the driver of the latte lifted his hand signalling the car to stop, whic was done immediately. Alongside the car one of the men in the wagon said that they oniy wished to get the colts accustomed to automo- biles. The team was driven very close to the mashine. No whip was necessary and no great excitement was evidenced on the part of the driver or any or of the six or seven oc- cupants of the rig. ${ }^{\text {ane of ouithy }}$ Quiety spaking subdued words of confidence to his fine young team the driver drew them up close to the car and they sinfed and pricked up their pointed ears in won- der. ,ut not in fricht. They passed safeeiy wand we went on our way. But what a difference in methods of sending horses past oljects strange to them t Another horan yells, cursecs and whips and rets into endless trouble He rattles his horsses; puts them on edge and blames them and the object of which they are scared for everything  quiet manner in which this particular driver handled a spirited team, which, under this treat  bad management than by all other means com- bined. $B e$ quiet and sensible with the horses. and they will be quiet and sensitle with yours.


Horses Shy; Why?
The other day there came under our notice young horse which fame under our notice
trishly became
lightened at a shining milk can sitting at the
side lrightened at a shining milk can sitting at the
side of the road. The driver, either bad tempered
or a poor horseman feveridion whip and standing up in the front of his demo crat slashed and lashed the poor frightened colt,
making a far sorrier exhibition of his lack common sense than the horse had done of his
lack of horse sense the result and poor horsemanship.
Picking up "The Farmar's Advocate and Home
Journal" of Winnipeg, Man., we found that ' Dell Grattan", of Winnipeg, Man., we found that "Dell horses shying. We hoo that the and cures for the colt reads this and also that every other man who does not know how to handle a colt.
which is inclined to shy takes a lesson therefrom. Shying is probably the most frequent of the driver's bad habits or vices that are met with in mon forms er vice it is amongst the most comthe worst, being extremely troublesone to contend
with a horse it is generally found to be incurable. In had cases of shying, moreover, a distant element of danger is involved; nasty, and sometimes fatal,
accidentl therefore. not surprising that shyers should be held in such bad repute, and that no one will
willingly buy one if he can help it, or that the fact of a horse being addicted to this propensity should much depreciate its value in the market There are various causes which give rise to the habit. the principle one undoultedly being nerv-
ousness or fear although confirmed shers will many cases shy more from sheer force of whabit
when meeting an unfamiliar ohject the of her other more tangible reason. Viact than for any is acquined solely as the result of bad managecompetent breaking, or if not actually originated in this way, theso particular causes nre in a ${ }^{\text {a }}$ great many cases operative in developing, intensi-
fying and confirming the trouble, this being the case a good deal more often than is commonly
suspected is manifestly guite wrong, to punish a colt
It it
for shying at unfamiliar sights, yet how generolly
kindness. If possible, it should be allowed to have a good look at the object at close quarters,
or even to smell it, so that it may convinc. itself of its harmlessness. This may seem slow process and try one's patience, but it is the
quick
 trouble, and is most effective in quickly obliterat-
ing the natural inclination to shy at strange ing the natural inclination to shy at strange sights, inherent in most young horses. Among the reasons commonly
horses ${ }_{\text {shy }}^{\text {assigned }}$ is
defective
vision, whty horses shy is defective vision, but this
cause probably does not give rise to the evil nearly as frequently an is generally imagined, if
indeed it operates as an inducinl cause at all indeed it operates as an inducing cause at all
except in quite isolated cases. Minor defects except in quite isolated cases. Mise dinor detect do not actually impede the sight, are maost ut likely to engender shying, and it is only in cases
where the vision is so defective that the horse canwhere the vision is so defective that the horse cantot is disability niight concoivaluly induce the habit,
although even here the probability of this con although even here the probabiility of this conrefued, by the fact that the wearing of blinikers which greatly impairs a horse's field of vision,
does not lead to shying, but that on the contrary does not lead to shying, but that on the contrait the object of obviating or reducing the tendency to shy in harness horses. It is also a avell
known fact that horses generall known fact that horses generally are nuch less than during the day time, and frequently eve confrimed shiers ara foumd not to shy at all when
it is dark. All these facts indubitably it it dark. All these facts indubitably point to
the conclusion that in most cases where defective the conclusion that in most cases where defective
eyesight is alleged to be at the bottom of th habit. the real explanation of the trouble is to be sought in nervousness or timidity or in some

## LIVE STOCK.

A Costly Mistake. In connection with the outbreak of foot-and mouth disease in the United States it is. , generai-
U admitted that "somebody blundered."
Upon


齐 the mouth of the nimal, but it has since proxtmately ten million Dairy-Show Cattle o 1914, numbering 750 and among which was one
Canadian herd, to be quar Canadian herd, to be quar
antined for about threequarters of a year: it precluded the possibility of
holding the International Fat Stock Show las fall; tt has tied up states and stock yards; it
postponed sales; it
has
has postponed sales; it it in
disturbed the market 1 or beef and breeding cattle; in fact the foot-and-mouth
disease demoralized the isease
greatest innoratized industry of
$t h$ United States in such
way that it can only rey way that it can only re-
gain its previous stability gain its previd
through time.
Reports are current which, if proved true, will
tend to make the veterint ary profession rather unary profession rather
popular in the State of
Michiyan where Michigan where violent
outbreaks got beyond the outbreaks got beyond the
limits of a really inconse quiten of a realy inconse-
quential issease. Its in-
troduction to the Chicain troduction to the Chicano
Stock Yards was also sadlyrerreted, and is punishment meted out when this occurs, the it appears from press discussions that stock
animat spoken to it is afraid at the point of the whip, probably receiving a further dose of unmerited p.inisinent
aiter it has passed it.
The results f.ulowing on his wrong-headpd procedure are corresp pullingly
unfortunate, for its eefect simply is to upset the unfortunate, for its effect simply is to upsel the
young horse still further and to accentuate its nervoushess so rendering it it more troublesome
and intractable.
It and intractable. It also quickly learns to
 fashion on ruture occasions, because of its fear of
being funished, while often that fear leads to its being punished, while often tinat fear leads
trying to
bolt after shying, which is a very dangerous trick. The kind of missmanagement alluded to is just
the thing that is likely to develop the so-to-speak innocent form of shying to which young colts are ous habit, and in many cases it does so. The proper way to deal with a young horse that shies
from inexperience, nervousness or diffidence is t., from inexperience, nervousness or diffidence is t
eschew all violent methods and to resort
 the door of the administration of the live-stock
industry. Serum, it is understood, has been used industry Serum, it is understood, has been usec
successfully in Germany for a number of years in the prevention of foot-and-mouth disease. Whe
the breeders inguired why such a serum the breeders inquired why such a serum was
used in the United States some veterinarians used in the thited Statex soine veterinarians
plied that it was .too expensive for stockmen to
 the breeders thought it should have been left with
them to decide whether they could or could not afford to protect their pure-bred stock at that anxene. Animal products comed into the United
extates from foreign countries where foot-andStates from foreign countries where foot-and
mouth disease is admittedly beyond control. This hreeders declared should be guarded against, bu at present they are more particularly concerned
with the scourre at home and what they consider its unwarranted spread result in the whote matter is cleared up it ma breders of live stock, and awakening the weter
inary inary profession to a realization of the im
portance of the industry and their relation to it.

Saving the Valuable Reacters.
During recent years very much has been, writ

THE FARMER'S ADVOCATE.
OUNDED 1866

Canadians as Meat Eaters. The inspection of slaughter houses where mea The inspertion of slaughter houses where meat
and canned goods are prepared for interprovincial and canned goods are prepared for interprovincial
or foreigu uado is responsible for some interesting iigures in connection with the slaughter and is carried out in all plants where the products is carried out in al plants where the products countries. Meats and foods other than those in
inspected establishments and consumed within the inspected establishments and consumed within the
same province as that in which the animals are same province as that in which the animals are
slaughtered do not at present come withim the slaughtered do not at. present come withim the
provisions of the Act. The foilowing table appearing in the Census and Statistics Monthly for
May indicates the movement of cattle, sheep and May indicates the movement of cattle, sheep and
swine, slaughtered under the inspection. swine, slaughtered under the inspec
figures, tou harge extent e explain
in our export trade of live stock.
animals slaughtered under inspec Year ended March 31 Cattle . Sheep Swine Year en
1999
1910 1910 1912
1913 ${ }_{1914}^{1913}$.
 meat in Canada has been investigated by the Health of Animals Branch. Their calculations are based upon the cansus returns of animals slaughtered and sold off farms in 1910 , upon the
exports and imports of meat for the same year, and upon the meat inspection statistics. They Show that in 1910 the total production of beef cor consumption in Canada wac about 426,451 ,-
ono Ms. of thutton $63,582,000$ nos., and of pork $46,955,000$ the, or a total for the three de-
scriptions of $956,988,000$ ths.


## Tamworth Sow. <br> Winner of first place at the Bath and West.

population in 1910 of $7,000,000$ the per capita consumption in. Canada works out to 61 tiss. of
beef, 9 lbs. of mutton, and $66 \frac{9}{4}$ Ibs. of pork, or beef, 9 libs. of mutton, and $66 \frac{8}{9}$
$136 \sigma^{2}$ ibs. of all kinds of meat.
meat in the United States was given as 172 of for 1909, and from the informacion to hand it appears that Canada's neighbor is the greatest
consumer of meats per capita. Other countries consumer of neats per capita. Other countries
are given as follows : United Kingdom, 119 1bs.. France, 80 lbs.; Germany, 113 lbs.; Argentina,
140 Ibs.; Denmark, 76 lbs.; Norway and Sweden, 74 ths.; Belgium,
ibs.; Russia, 50 lbs., and Spain

The Theory of Baby Beef. There are three factors or problems which
every breeder and maker of beef must contend with. Apart from these it is expected that only if a farmer has been stock will be kept, and
breeding for the judgment in breeding for the past ten years there is no rea-
son why the female element in the herd should son why the female element in the herd should
not be suitalle for rearing the proper kind of
calves calves. This qualification could be acquired with
very little additional earpense, for in one decade females or males could be obtained that would he practically pure bred. Starting with just
cows ten vears ago it would be possible in the
meantime to bavo meantime to have reared four generations, the
last of which should come quite up to the stanlast of which should come quite up to the stan-
dard for heef production. Ilowever, this may not dard for heef production. However, this may not
be the condition on many farms, but if the
females conform1 females conform, tolerably well to beef conforma-
tion they should, when mated with a bull of the
right stamy, throw calves suitalle for haty heef. Assuming then that the farmer is equipped with a herd of cows for the furpose, the three factors
which confront him are: amount of availarle which confront him are: amount of a a ailatle
feed, numper of erowing cattle, and size of the
three problems are dependant one upon the other. less attention than many classes of other equire stock, and this particular phase of the enter live
would allow as much time in would allow as much time in the fields as is
customary on the farm. The produ customary on the farm. The production of feed cultivation as well as with the fertility and area the land tilled.
The numiber of growing stock directly influences the size of the breeding herd. Where it is the
practice to finish off the steers and her trom two to three years of age there is always the rearling to be considered, and the yearlings quantity of feed and grass. This necessita a large quantity of feed and grass. This necessitates the
reduction of the breeding herd, for only so many cattle can be kept per acre. When the young stock is disposed of when from 14 to 16 monthg
of age, much of which time the milk, it is evident that all fodder and grain will be disposed of to the best advantage. There will be more calves raised and more pounds of beef produced on a farm where baby beef is the
specialty than where older cattle are finished

The cost of a pound of gain has never been given sufficient consideration, for upon it depends
the profit of feeding cattle. All experience and the profit of feeding cattle. All experience and
teaching point to the fact that the same amount young than in the, older animal. Hain in the "Feeds and Feeding", says: "Gain in body in stances by well-nourished young animals is relatively much greater than by mature animals even
when fattening. The un,weaned calf may increase 2 to 3 ths, daily for each 100 ths of body weight, while a gain of 0.3 to 0.4 lbs . daily per 100 lbs. of body weight is large for the mature
fattening ox. The more rapid increase in weight of younry animals is due to several causes-their flesh contains more water; their food is more digestible and concentrated; and they consume
more food in proportion to live growth continues, the
total quantity of food eaten increases, but $t h e$ amount per 1, $\mathbf{1}$,00 tos. live
weight diminishes. Th e daily gain and the coon-
sequent returns from food sequent returns from food
consumed also steadily decrease until maturity is further gain whatever un-
less from the laying on of The problems met with most successfully solved by the baby-beef proposi-
tion. With that method of beef production feed will
produce the prounds of gain while
more breeding stock may more breeding, stock may at the same time be maingrain and fodder once
used on the yearlings and sumed by the fattening calves and their
dams, thus increasing the numbers of both fat dams, thus increasing the numbers of both fat
cattle and breeding stock. In addition to this there are other factors which may be considered. turnover is quickest with the young, growing turnover is quickest with the young, growing
animal. Again open heifers at 14 to 16 months of age will fatten as quickly as the steer, and they have been selling for as much money. the market. Of late years baby beef has sold along with prime steers, and sometimes more
steady. One cannot ate the same depth steady. One cannot get the same depth of flesh-
ing on a 15 -months-old steer or heifer as ing on a 15 -months-old steer or heifer as on an
older animal, but the small cuts and tenderness older animal, but the small cuts and tenderness
of the meat recommends it to consumers. The prospects now are for high-priced beef for some time to come, and so long as this condition lasts
just so long will butchers require carcasses from just so long will butchers require carcasses This is the theory of baby bef, but the theory has been derived from the practice itself. How-
ever, it must be remembered that young cattle ever, it must be remembered that young cattle
must he fat. The market has no profitable place for thin, young cattle, except as stockers and
feeders.

It does not generally prove profitahle to make too many changes. If a person is wrong and knows he is wrong, then it is time for a change but until assureck of this fact it is better to stic to operations. We have seen stockmen change breeds every time the wind changes. When on breed booms then they buy and sell again as soon as prices for that particular breed drops. Thi
keeps the breeder always on the wrong side of the fence. It is better to continue during low prices and have large herds and flocks ready when
prices go upward and demand becomes keener as
it invariably does. prices go upward
it invariably does

JUNE 24: 1915
THE FARMER'S ADVOCATE.
1015

Simple Remedies for Bloat and Colic.

Alfalfa is a great feed, and here, in a soil that is naturally adapted to it, there is much of it planted. The lot owners (whose places run
from 5 to 20 acres) plant all the headridges and fence corners with it for pasturage, tethering their cows on this for two hours, three times day. Many of the fruit growers keep just one
cow, and with this for pasturage they net cow, and with this for pasturage they need pay
out nothing for feed, and have gll the miks out nothing for feed, and have all the milk, cream and butter -they need
Like fire, however, "it is a good servant, but a bad master," and many of our neighbors have found out the bad master patc. Fhree of them in one week cach lost a cow from gas caused by a over I tothered our cow mornng it was raining and I tethered our cow out for her us
hours on the alfalfa, and had our scare.
It may help some others to know how tackled it. I first turned the cow into the corral, and chased her around it for 10 or 15 I got a neighbor on the 'phone (that 'phone, by the way, has paid for itself time after time in just such emergencies) and asked his treatment. It was new to me and I tried it. He said to take a twig about an inch through, and a foot long, and tie, it into a halter or bridle, and use it as a bit, and thus force her to keep her mouth open and gradually bring up the grass. Another neighbor happened along just at the time, and he suggested soda, so I dissolved half a cup in cow's mouth held open by the bit, and I tipped her head up and dumped the soda water down. Instead of the twig I just took a bridle that had, with a very large rubber bit, that I had had, with a very large rubber bit, that is had as the stick could have done.
Whether it was the soda, or the bit that did the work, I can't say positively, though I am, in clined to think it was the bit, from the fact tha I put it in her mouth before I went for the soda. I don't see how the soda could have acted so
quickly; something certainly did, for in a few quickly; something certainly did, for in a few
minutes we could see her come right back to
found out that another man had cow that they gave up as gone, and went away
and left her, but before leaving, one of them had heard of this bit business, -and he tied a ohip in
her mouth. Upon coming back later she was get ting better, and, finally she got up.
Of course these two cases are not conclusive
evidence, as they were tried along with other treatment, and it may be that it merely assisted,
or it may be that the other treatment of drenches and exercise merely assisted the bit. As to the merits of soda as a drench, there Whay be some question, because whe whe it it might
neutralize the gas formed by alfalfa, it is as like ileutralize the gas formed by alfalfa, it is as like
is to generate another gas that might be as du to generate another gas that might be as
biarmful. In the case of our cow, if that was the case, the bit did a double job, for she got rid of
all the gas there was, and in that case well have to cheer for the bit," and give it double

While on this subject I might mention a case
of colic that we had with an in-foal mare. Nere out for dinner at a neighbor's, and put the
tuare in a stall where some oat hay had been tlare in a stall where some oat hay had been
left. We had been feeding her on alfaifa, and the sudden change caused an acute attuack of colic. We took her out and let her roll all she Wanted to till we got some hot water on, and
then gave her a drench. We were not $a$ little thnn yave her a drench. de were not a
tivzled to know what to do, as an in-foal mare must be handled with care, But we mixed up
what we thought would be a harmless dose, but That we thought would be a harmless dose, but
still healing and ought to give relief. We took th. of ginger in about a quart of hot milk The a blanket on the mare to keep her warm,
and walked her up and down the yard;-in about
 Whet her this is a scientificall
lint it evidently did the work
Perhaps some of "The Farmer's Advocate""
TMiders may have a more reliable cure, and still Waders may have a more reliable cure, and still and not be liable to cause an abortion. There
 Woblem, yet one must act quickly, but avoid tyy cases. I am merely giving this as an in-
tance where, virtually, it was heat that did the Wrik, but perhaps you may feel that a treatment
vith a little more " zip " in it is necessary in

## FARM.

## It is Time to Start Haying.

Since the hard frosts which have occurred during the recent weeks and the comparative dry
weather
lowhich large section of Ontario, reports have come to
hand that the hay crop is not going to be as heavy as was formerly expected. Hay is anong the most important crops grown on most aneral
farms of the country, and anything whic to a shortage should mean greater precautions and better methods in handling the crop and put-
ting it in the barn. Clover is ike thely ting it in the boarn. Clover is tiikely to to be rather
short and the old meadows, largely composed of


Gainford Royal Champlon. timothy, were even harder hit, by the frost than
were the new seedss has some advantages. At is not so dificicult to make good hay from it as from a very heany
stand where it is necessary to use the tedder frequently, and even then a part of the crop is often not very well cured. There is a tendency how-
ever, when a ever, when a crop is backward, short and not
likely to give a heavy yield to delay cutting too long. True, considerabie growth is made after
the clover commences to bloom, but if left until the bloom is all gone the feoding value of the grains and feeds containing a high percentage of protein material are so high in price, it is very


Hereford Heifer, Stanway Gem
cher, Stanway
in the hay crop to go into the barn and be
available for stock next winter. As a general thing with the ciover crop it is
advisable to cut early.
Watch the field carefully, anvisabhe then the crop seems to be just about full anoom eutting should be started. By the time it is sinished and the hay housed it will be plenty far advanced. Alfalfa, of course, should be cht
before very much bloom appears, and just when before very start out at the base of the plants. Cut too early it is very sappy and difficult to
cure. Timothy is somore easily cured than any of cure. Timothy is .more easily cured than any of
the clovers. Succesful growers cut timothy just after the first bloom has fallen.
Many do not like to start haying too early, Many do not like to start haying too early,
wecause, in the experience of those who have farmed for many years, it has been found that
very often early-cut fields are caught with rains,
which are more frequent as a general thing late in June than they are on in July. Some delay cutting on this account, but one of the most suc-
cesssul farmers we have ever krown, and one who cessiul farmers we have choice hay each year remarked on a certain occasion that he never
waited on weather to do anything. Some of his waited on weather to da all cut at the proper hay got wet but it was al but at the pas the
time, and in the end he belleves he was gainer.

There was a time when the coming of haying was dreaded on the farm. In those days timothy was the main crop and it grew 1ong and coarse,
and had to be handed by hand from the grass
sta
Times have changed. The stage to the hay loft. Times have changed. The stage tha machine makes cutting a very short job;
mew tedder facilitates curing; the sidedelivery rake
the
 to draw the next day after the dew is oir, hay is
Where the thay tedder is
 into the barn
fall. with the
toader
lo considered practicaily essential to have a side-deIdvery rake, but where great care is practiced-the old dump rake may be used and the wind-rows
are kept small.
It are kept man is is rather light. The side delivery
where the crop where the crop is rather hy some to be almost as valuable
rake as a tedder in shaking up the swath, allowing
one air to do Its work im drying the hay. Where. the -air to do its work qu drying the hay. Where
the ioader is not in general use it ds by many the oader is not in general use the hay, and many
considered advisable to coil the hat considered advisater so before drawing, This un-
stand a day or or
doubtedly makes the best hay possible and with doubtedly makes the best hay possible and with
very little lost time from the colling, because from the coiling, because
there is so. much gained in
the time taken' ton pitch the time taken to pitch
the hay on to the wagon. the hay on to the wagon.
Some, where two pitcherr Some, where two pitcherr-
are available, do the cill
ing with the dump rake. pulling the wind-rows into arge plies. right where two men are available to pitch
the hay, but where on man must do the work it makes rather strenuous
mabor for him, pulling the wads apart. Where this is practiced it is not ad-
visable to pull too many rakefuls together. The
smaller the dumps the
and manaller the dumps th ,
easier the hay is handted, and raking in this way saves a goo
gatherlng up.
Hay forks and slings no description is necessary. Where short slings are used or where the hay
fork is operated it is well to build the load in sec-
tions. Build half the rack up and then the other half. This makes the lood come off much
Ios.
Iosily, and it does not bind nearly so much.

 form of a divided rack, half of which is so con-
structed that it rolls back and forward, making structed that it rolls back and forward, making
it very handy to put on the entire load with the to very handy to put on the entire toad whe pulled
loader. The movable section is looded and purn up to the front of the rack forming the front
uall of the load, then the back half is buit up. half of the load, then the back hall is buiit up.
By using this, one man on the load, if he works By using this, one man on the load, if he works
hard, is sufficient, besides, of course, a boy to hard, is sufficient, besides, of course, a aoy on
drive the team. It saves a man on the wagon,
and this means considerable to the average
tarmer. farmer.
We have never seen figures from practical farmers giving an idea of what it costs to produce
hay. It any of our readers can give this in-
cormation we would be pleased to publish it. It would be necessary to incorporate rent of land and all the expensesting. With an average crop of 11 tons per acre, and with the average in of $1 \frac{1}{2}$ tons per acre, and appliances to handle the crop, figuring rent of land at $\$ 3.50$ and wages for men and teams, it must cost between $\$ 6.00$ and $\$ 7.00$ per ton to produce hay and see it safely in the barn
We would like to get actual figures from farmers We would like to get act is ?

## Alfalfa Experience

Editor "The Farmer's Advocate":
It was some few years ago that alfalfa came It was some few years ago that alfalia came heard of it, had seen odd patches of it and were persuaded to try a field with it. It was then most new to many farmers, and we were believe, about as early as any in our neighbor hood to realize its outstanding qualities.
short time several of our fields were sown to ifalfa.
Experiments, though costly, were nouded. All catches were not thrifty, some killing out in 8 year or two, or growing unevenly, leaving barren
patches of soil or weedy stretches. Perhaps on patches of soill or weedy stretches. Pernaps regarding how thick to sow the seed. learned and found that from seventeen to pounds of seed per acre was required for most ands. Most of our seeding to allaila was done ailed year after year to produce a fair "catch" on hills probably just as good as our own. He was sowing but seven or eight pounds and won him the mistake. Whather he considered the cost too great to try again, I do not know, but we elways considered it paid to sow fairly heavily ven when the seed cost us thirteen dollars pe bushel
A clay slope facing the south seems the best
and for alfalia. In our experience sands do no so readily meet its approval. The roots tunne down into the earth several leet, any othe clover is here hat. The slope is almost necessary and grass hays. The slope is under-drainage is put into systematic prac tice. Alfalfa cannot stand a mud-puddlip, and atural drainage is an important factor. We ave found that alfalfa, on our farm prows best on sunny, clay slopes. It is always prelerablas rom the north in winter sometimes freezes the ife out of the plants. Also, this plant cannot be expected to thrive on an infertile blue-clay knoll starting. nourishment is requred by best. Prac As a fertilizer it stands among the best. Practically every roughage crop or grain crop thrives persistently where this plant has year by year, under. Instead of sapping the land year by year,
it really rebuilds. Some of our most fertile fields have been made so by the plowing under of alfalfa. If left too long, however, difficulty will
face the plowman. Three years is a good time face the plowman. Three years is a good time
to leave alfalfa, as after that it becomes very to leave alfalfa, as after that it becomes very feld of many weeds, principally Canadian thistle, but sow thistle, grass and dodder are its deadly nemies
It has been said by some that this hay should ot be cut more than once or twice at the most ie start cutting the second year, and always make it a practice to cut three times, the second and third crops are often the best, being better
leafed and quite tender. The value of alfalfa lies eafed and quite tender. The value of alfalia lies raké the hay as soon as the dew has dried befons it gets too crisp. Once well cured the leaves have a great firmness on the stalk. Much We have has arisen over when it is best to start cutting when he flowers are one-third out. An early cutting means an early start for the second growth and does not leave it to struggle for mere existence hrough the summer heat.
Various papers antained articles stating how often alfalfa should be fed. Some say
once a day. Good alfalfa will never iniure any normal horse, and I only knew of one case where horse refused to eat it. Our horses get alfalfa three times daily and never tire of it. We have never had a horse sick from alfalfa feeding an
do not believe it troubles "heavey" horses as some hays do. Horses don't become constipated on alfalfa. It is a laxative feed, being compose
largely of protein constituents.
As a rule the horse prefers the stalk of the plant, some even favoring tough stems, though best. Cows bawl for alfalfa, but prefer the lea and thus, any leaves that might otherwise be
lost in handling, can be put to good use. Sheer are fond of it, the lambs preferring tender an who raised good hogs on meal and finely-cut alfalfa. Co., Ont
York Col

Killing Bindweed.
Editor "The Farmer's Advocate" : regarding bind weed, and as I have had some experience with it perhaps it might be of use to you. The firs way I tried to kill it was by putting strawy manure on the patches, and turning the manure every time the weed began to peep through, and breaking off the roots at the ground. In only one instance was I successful in this way, every other time there were a few straggling roots that lived to start the patch again. Another way in which I had vetter success was by putting salt on the patches in the pas the ground bare and make a puddle of it in rainy weather, although even in this case it would take two or three years. In one field which I have for number of years, and though it is not all gone still I have hopes that I may do for it yet. I don't think it is a very good plan to plant apple trees among bindweed if you want to


An Inviting Spot
but it seemed but it seeme
them there. First I sowed alfalfa on the field and cut t up and planted the trees. The bindweed was in the field apparently as bad as ever, although Them I sowed oats and cut it or the field. After the green feed was off I worked the ground planted as a spear of it showed, and nezt year yet, but very thin and scattered, and $I$ hoed it as often as I could, and now this year I hoed it in green feed again. I have tried digging up the t was pretty much a waste of time and energy nother field I had in hay three years ago. Inere were three patches of bindweed in it, and disk all summer. The year after was a very dry
summer, and I kept the weed hoed very carefully all summer. At the last when there were only a up. Last summer it was in barlev and them not find a trace of the weed.

## Dinna be a Quitter

I was talkin' to I didne, an muckle . 0

I was talkin' to an auld neebor a couple
weeis back an' he was tellin' weess back an' he was tellin' me aboot a' the
hard luck that one $0^{\prime}$ his friends had this in the way o' losin' his live stock. It spring this mon lost a horse an' a coo inside seem week an' juist as he was gettin' over the effect o' this an' beginnin' tae lift his head up a wee bit again, ane o' his pure-bred heifers took sick
an' died. in spite o' the fact that he didna, a horse-doctor. nor use ony ither means ge hurryin' her off like, such as pourin' a gallon oil intae her or giein' her a couple o' pounds salts as a mild physic. Anyhow the heifer died tellin' me aboot it. "I'll tell ye what Sandy," he says "gin onything like yon, happened tae me it wad take the zip clean oot $\mathrm{o}^{\prime}$ me. Ye wadna catch me takin' ony mair big risks. I'd gae
nicht when I was sittin' by time, but thal a' over, it cam tae me, what like a mon is hat will quit at the first bad crack he gets:
rtificial effor idea some men hae intended for think that the warld was men an' not a mint for the coining o' money. Gin they had they wad surely pay mair attention ny that end o' the business. When they meet wi aboot, that happened ma neebor was tellin me t as a misfortune wiot compensation, an' something that pits them sae muckle further away the fence-corner an, they can pit the plow intae t's no' the richt idea, gin I ken onything aboot an' gin there's ony sense tae this life at a. There maun be mair tae it than what we see ar from for the best men that ever lived woduct" when the time cam' for them tae dee. We're here tae be drilled an' hammened intae shape for go on in some ither form, which we dinna ken onything aboot, of coorse. But the point is that this makin', o' money that cuts sic a figure in the lives o', sae mony o' us, is only a means tae an end, an' no the end itself, as oor actions wad
secm tae indicate. Gin we looked at it in this seem tae indicate. Gin we looked at it in this

JUNE 24 wad see we were
bottom bottom, a' aboc the har men $o^{\prime}$
ane thi
and no Lette a livin' rrae co is tae
they wi they wi
the seco an' not Gin see the lang at to when us gin
this " 11 tae gra
it's diffe writes alike. that qui
The fello
coo wad
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would $t$ bullets a sides
ken abo
it willna two ei yer min
$o^{\prime} \operatorname{misf}$ way or
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the tran the tran day, as
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us, but an' get a 'qua' paid jo ome ith
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allowing exception
work on
tain tim tain tim a mount hoe the and ma cotchm lant: w Nould be oots, wh oeing v ijure th
foearly
foot

Wad see in it a chance tae prove what like stuff we were made of, an we'd tak hauld o' the
bottom, rounds o' the ladder again wi' as guid hope o' reachin' the tap as if we had forgotten
$a^{\prime}$ aboot the bad fall that maybe knocked the breath oot o' us for a meenute or two. I believe the hardest Wark the Lord has in tryin' tae mak
, us is tae keep us on the job. We try men, o' us is tae keep us on the job. We try no better we try something else. An' in the end some quit tryin' a' tagither an' tak' tae spongin'
a livin' oot $o^{\prime}$ their friends. livin oot o their
Noo there's juist one way o' preventin yerself
rae comin' tae sic an' endin' as this, an' thát is tae forget yer failures, (except in sae far as they will help ye tae dodge the same mistak, on the second round, tae get up ilka time ye're knocked doon, an' tae remember it's, what ye are an' not what ye have that is gaein' tae coont in
the end. Gin we wad think a meenute it isna' hard tae
ane foolishness o' gettin' things twisted an puttin' money ahead o' character. We're no' here ang at best an' money's na' guid when we're
dead. But whatever like place it is we're guein to when we quit here we can tak' oor character alang, an' there's na doot it will be o' use tae us gin it is a guid one. It's oor diploma, frae this "College O' Hard Knocks" that we a' hae
tae graduate ifrom some time or anither. But tae graduate ifrom some time or anither. But
it's different frae some 'Diplomas," for ilka mon writes oot his ain an' there's no two o' them
alike. There's guid, bad an' worse. An' among the last will be those that belong! tae the chaps that quit when the going got bad, I'm thinkin" The fellow that wad lose a' his "zip" when a
coo wad die, for instance.

$$
\text { What kind } o^{\prime} \text { a, soldier }
$$

What kind o' a, soldier wad a mon o this stand 'vera, lang before the Giermans. His 'zip'" would tak' pretty sudden leave o' him when the bullets began tae fly and men began tae fall on ken aboot that will wark in a caise like this, an' it willna' bring the patient aroond in a day or wo either. An' the remedy is this. Mak' up yer mind that whatever comes tae ye in the way way or ither. Gin turn tae guid accoont in some experience gain, an' yejre bound tae be ahead by experience gain, an yejre bound tae be ahead by
the transaction. Ye canna' bring yersel' tae this
condeetion o' dyed-in-the-wool ondeetion o' dyed-in-the-wool optimism in a day, as I said, but gin ye want tae live in com-
parative peace o' mind an' mak' a success $\mathrm{o}^{\prime}$ yer parative peace o' mind an' mak' a success o' yer
life-wark whatever it is, ye'll tak hauld an' drill yersel', a wee bit at a time, intae refusing tae be discouraged, no matter how black it looks on head, an' while there's breath left in yer body. I think the happiest loakin' chap I ever saw
was a young fellow wha' had lost an arm an' a leg an' wha' had taken tae tourin' the country, leg an' wha had taken tae tourin the country,
veesitin' the fall fairs an' so on, an whistlin' for a livin', an' he made a guid livin' too, for the public admired his grit an' went richt doon intae their pockets tae show the way they felt about it Noo, when a mon has been trimmed off in that
way an" can bring hinisel' tae whistle over it, an' keep it up tae the extent o' makin his livin' by whistlin' alane, (when that was a' he, could dae), I'm thinkin', that there isna' many o'
us but what micht mak' an' attempt tae tune up us but what micht mak an attempt tae tune up an' get tae wark on the auld job again, or hunt
aboot for a new one till we find it. Dinna', be a "quitter", as they ca' we whatever. It's 'an
unco' bad soundin' name, an' aboot the warstpaid job a mon can go at. Was it Burns or
some ither Scoteh poet that said? :"For all may some ither Scotch poet that said? ' (glorious life." It's hae, gin they dare choose, a glorious life." It's
juist anither way o', sayin, "Dinna' let onything
tol. tak' the 'zip' oot o' ye." SANDY FRASER.

## Do Not Let the Hoeing Lag.

 It never pays to be behind with the work. Nomatter what the job to be done, time can genermalter what the jou to bo done time can gener-
ally be saved by running the work rainer than
Hoe ting is no allowing the work to run your Hoing is nimer
exception to the rule Work on the farm which should be one at a cerneylected for a few days or a week the weds get
a hold, and, when the work is is done, twice the a mount ond labor is required. It is fis boter to hoe the mangels and turnips a litlle e too small
than to leave them until the weeds get a start than to leave them until the weeds get ar start
and make the work more difficult. The larger the weed the harder it is to kill. The larger the Voots the harder they are eto thin. An ot a vule that in hoeing turnips or mangels every Would we no danger of two plants being left in one plae. This, should apply when hoeing the
roots, whether large or small, but be careful when Tiveing very small roots that the plant be not Nared too much at the root and set anck ha hoo Inure the grownt it done before the weeds gain
int early and get
a forthold and the other work pushes on, causing hfoth fold and tho other
hoeing to be neglected.

## False Flax.

A weed, samples of which are often sent to what resembles common flax, and one which someas False Flax. In Europe this plant is culing cattle. Europe, then, is the origin of the weed. The plant is an annual and a winter annual with long, lower leaves showing a stem. an average contant is said a pear-shaped pord, and 000 seeds. The plant is said to produce about 40 , August, and seeds are produced through July and August. Many farmers have introduced the seed on their farms as an impurity in clover seed, or oo widely : distributed it should be hand is not and it is always well where False Flax makes its appearance not to sow any winter crops, as rye or winter wheat. After the grain crop is this operation followed by frequent strokes of the cultivator throughout the fall months. This cultivation should be frequent and thorough. next year a hoed crop or summer-failow would be followed it would be well to drop out all fall is winter crops until after the weed has been eradicated. It qives considerable trouble in Western Canada, particularly in grain sown on stubble Ontario, and becoming more widery scattered in Ontario, and farmers should be on the lookout patches it should be carefully pulled and burned, ri, if it has chanced to get into fields in quanspeciai emphasis put should be sown, and speciai emphasis put on hoed crops until it is
eradicated. Where it appears in winter wheat or rye it is said that harrowing in the spring will kill a large number of the young plants. It would be safer, however, to avoid sowing the
winter crons, and not depend upon the harrowing 0 clean the fields.
and present. We have first, citizens owning a cow or th, or possibly one or more goats for supplying the this is sold to the neighbors. The cows are pastured in summer on the roadside, in vacant lots, or may be driven' to some nearby farm where pasture is rented. The cows are milked on the roadside near the house, or possibly in a
more or less unsanitary stable located on or near the lot where is situated the family dweiling house. By and by the town grows, vacant lots are less numerous, the near-by farm where once was pasture has been sold to the land speculator,
who has it surveyed into town lots, bordered by cement walks, boulevards, drives, etc. The home cement walks, boulevards, drives, etc. The home The neighbors object to the odor from the cowstable, the Health Inspector is called in and the place ordered to be closed up. The cow or cows
are sold and the milk supply is cut off for the are sold and the milk supply is cut o
owner's family and for the neighbors.
However. milk they must have, as there are young and growing children who need very much man race, the dairy, cow. Some person who keeps cows out of town is induced to start a
milk-route to supply the demand. If he is the milk-route to supply the demand. If he is the
right sort of a milk-man, and the town grows. right sort of a mik-man, and the town grows,
he will soon have two, three or more wagons peddling milk about town; or someone else seeing a chance for making money buys an old horse and wagon and secures a supply of milk from
some farmer. The party may not have the slightest idea of what is required in the mill business. All he knows ls that if he can buy
milk from the farmer at two to three cents milk from the farmer at two to three cents a quart and sell it for five to seven cents a quart,
and he can sell 100 or more quarts daily, there is a fair profit and wages good enough in it for him. The whole outfit of this millk-peddler may not be worth over fifty dollars, and he is wholly
irrescionsible, yet he is allowed to deal in such irresrionsible, yet he is allowed to deal in such a
life-giving fluid as milk. Sometimes the town or Sometimes the town or
city has a system of
licensing milk vendors,


Fylde Valentine.
ing English Dairy Shorthorn.

## THE DAIRY.

## The City Owned Milk Plant

Editor "The Farmer's Advocate":
In' a previous article the writer referred In a previous article the writer referred to
the increasing cost of milk distribution in towns the increasing cost of milk distribution in towns
and cities. We also said the matter would be referred to again
So far as we can see, the evolution of the milk supply of any city is very similar to that two are along the same general lines. In the case of the water supply, we have first, individual wells from which each person gets hils own supof the neighbors with and possibly also furnishes a few grows, the wells become polluted or inadequate, and some private person or company undertakes to supply the town with pure water through pipes from a general source, such as a lake, less of a citizens come to the conclusion that they had better control the water, supply themselves, thereby insuring a purer water, and whatever profit there may be in the business may te utiiized to reduce taxes, improve the water supply, or reduce the rate charged for water. The public franchises street-car system, etc., are gradually being taken over by the citizens and operated for public bene-
fit, and not for the benefit of private persons or fit, and not
cot us see

## money, up-to-date propose methods

 up-to-date methods of pasteurik large sume of money is spent on the plant etc. A of the milk is good, the buidertised. The quality ducted is backodidy the the Meeicail Health Department and the small deolers are gradually crowaredout. a monopoly, with prices unduly forced down to the producer and prices advanced to the consumer. It is reported that a company in a cortain
large American city onfored large American city offered several million dollara
for the
Iranchiso, or
exclusive rient to Ior the ranchise, or exclusive right to soill mile
in that city fora
torm of years.
This
request was not granted, and wisely so.

> MUNICIPAL CONTROL.

It would seem as if the milk business must soon advance to the third stage, or that of muni-
cipal control. This will not come about all at once. Large sums of money are invested in city milk plants and these vested interests will have to be considered. Then also, municipal governments have none too good a reputation at pres towns and cities leaves much to be desired, but eventually the people wiil find a solution of al these difficulties, by commission, salaried manager
or otherwise. Until this first, great problem is solved we may this for much problem idea of municipal control of the milk trade. but
once this trouble is overcome the remainder wili be comparatively easy
York) is considering, "the establishmown, New York) is considering, "the supply and sanitary dis-
tribution of mitilk'" as outlined in a resent article

By tho Major of that city. The Mayor argues: in the care of the separator that has done more
"The only eflective way by which milk can be in- harn to the quality of the cream than any or spected is by means of a central station controlled by the municicipality, to which all milk must be brought by producers and there tested. By this method the community will not only be sate guarded against improper milt, but the city, be
ing the purchaser, as well as the distributor of the milk, will be in a position to pay the pro ducer on the basis of the quality of the milk pro ducer on and thereby offer inducements to the farmer to produce a better quality of milk in expectation of greater remuneration for the same. tion, but in the field of distribution of milk, comtpetition is useless, costly and dangerous. Under present conditions citizens are unable to know what they are buying, and dairymen are unable municipal milk plant a necessity from the standpoint of safeguarding the public health, but as a matter of economy to the people of the community, there would be a saving or fully 75 per cent. pays out more each year for milk than his entire tax for all municipal purposes would amount to. The milk should be handled with the same degree of efficiency with which the postal department andles the Unice in this business, for the reason have a no competitor would be able to comply with such requirements in competition with the city, and the success of the proposed municipal undertaking would be assure
would 'be serving themselves.
Thus writes one enthusiastic Mayor of the nowest proposal in milk distribution for city dwellers. There is food for thought in his argument.
$0 . \mathrm{A}$. H. H. DEAN

Good Butter Can Only Come From Good Cream
With the warm weather milk and cream troubles increase and every delivery of sour or inferior milk or cream injunes the dairy business
and the business of the individual who offends. and the business of the individual who offends. of them are used when the public is assured of getting a first-class article in every case. One bad dose turns the consumer against these products. He does not feel that he can afford to take a chance on any more dairy products so
does without them and substitutes something else in his daily diet.
Circular No. 51, from the Indiana Experiment Station, Purdue, comes out with the statement that the farmer controls the quality and price of butter, one of the finished productis of the dairy, cream, controls the quality and price of butter If he furnishes cream of good quality he makes possible the manufacture of good butter, which will command the highest price on the 1, narket. If he supplies cream of inferior quality, a low
grade butter is bound to be made from it, which means small returns for the product.
ks The dairy farmer is the controlling power
which
determines the destiny of tio dairy which determines the destiny of tie dairy industry. The care he gives the cream on the rm, determines the financial returns from the butter; and in turn the returns from the armer, because the price the creamery pays for utterfat is necessarily largely regulated by the price the butter brings on the market
'"Lack of proper care of milk and cream on herefore, will auyment the depression of the butter market, and stimulate the sale of foreign utter and butter substitutes, causing low prices o the creamery and small returns to the farmer. Chese unsatisfactory conditions can le overcome on the farm.
To turn out a first-class product a few pre-
cautions are nequssary on the farm. The saparaor must be clean and sanitary, the cream must cooled quickly; cream must be delivered fre"The separator
mpurities contained in milk. If creamany of the quality is to be secured it is obvious of good separator must be cleaned thoroughly after each separation. If not washed and freed from all separator becomes a seat of contamination, and a source of unclean and filthy cream, the disustrous
consequences of which no sulsequent treatment and care of the cream can subsequent treatment " "This does not mean that no attention should le paid to cleanliness and care of milk hefore
separation. Milk produced under unsanitiary con-
ditions will separation. Milk produced under unsanitary con-
ditions will not produce gooll cream, eren if
rassed through a clean separator. In thi. duction of good milk, clean statles, clean cows
clean milking and clean utensils are esscntial, hu all these precautions come to naught, unless the
milk is run through a clean separator: and
experience has shown that it is this aerlipunc
harm to the quality of the cream than any or millk before separation, combined.
separator with water until the discharge from the separator with water until the discharge from the
skim milk spout is clear. This removes most of skim milk spout is clear. This removes most of separator slime in the bowl, making subsequent washing easy. Now take the bowl apart and wash with hot water containing some good washing powder, all parts of the bowl discharge
spouts and buckets. Then rinse them with scalding hot water and allow all parts to drain in a clean. place. All other mill utensils should receive the same treatment. Do this after each separation. Aside from insuring cream of good quality a clean separator will skim more closely thoroughly washed after each separation. The slime which accumulates in the bowl reduces the space in which the milk is exposed to the separating iniluence of the centrifugal force. The moparating efficiency is therefore diminished an is not washed after each separation the impuritie and acid formed in it, due to decomposition of


Where the Speckled Beauties Are
the remnants of milk, tend to corrode the bowl
and internal contrivances and to shorten the life
of the separator. "The spoiling of cream as well as the decomposition and putrefaction of other food stuffis is caused by germa life, bacteria, yeast and molds. to thrive. In the absence of warmth they are of destruction. *When the
is warm and in ideal condition for bacterial decomposition and spoiling. If, it is cooled promptly the activity of the bacteria is checked
and the cream will keep sweet for a reasonable whyth of time. The lower the temperature to normat condition. Cooling to the temperature greatl. rutards hacterial average farm alone Gronme. (rwam should he cown and prevents letteromp the coming is not possible heremy



If ruinting-water is half barrel containing water through the tank continuously; if not, fill the tank up with fresh water at least not, fill the twelve hours. If the cooling tank is connecte with the stock watering trough, the water needed for the stock serves to cool the cream by cream frequently the cooling tank first. Stir the keap it in smooth condition. Do not pour warm cream into cold cream; this practice spoils the whole batch. Cool the warm cream in a separat can before mixing. Aside from checking fermen the cream, the use of the cooling tank spoiling o the cream, the use of the cooling tank serves t ing the cream and lutter from developing an un palatable, smothered taste, which greatly an un "Cream is a highly perishable
ther similar products it is best product. Lik should therefore be marketed as early as possible Age will deteriorate cream under any condition cannot enteper care retards such deterioration, it cannot entirely prevent it, hence dolivery should summer and-twice per week in winter
"Low-testing cream sours and spoils more
rapidly than high-testing cream, so that by the time it reaches the creamery it is often in
condition unfit to be made into good butter. In the spoiled also makes difficult accurate sampling a $n d$ testing. It is undesirable further, because it diminishes the amount
of skim milk available ior the feeding of calves and pigs; it in-
creases the cosst of creases the cosst of
transportation every pound of butte fat shipped; it makes impracticable the use of a reasonable amount. creamery, and starter duction of the best quality of butter; it does mot churn out exan excessive amount of buttermilk, augmenting the loss of fat and thereby reducing the reain is un clog the separator; it increases the loss in ing to the receptacles urate sampling an thereby tends to yield
incorrect tests. It is incorrect tests. It is duce somewhat richer in winter to prevent excessive souring in
summer and difficult handling in winter

The cream should ank until it leaves the arm. While being hauled on the wago train at the station, it should be propand cold in winter. This can be done by using a covered wagon for hauling, or by hauling the cream in insulated cans,
by slipping a jacket over the cans, by covering the cans with a wet blanket in summer and a dry blanket in winter. If the cans arrive at the station long before train time, 'as is often the case, a cooling tank filled with water and located in the shade, should be provided so the the cream is reasonably protected agains As long as our creameries receive inferior their butter and can lo secure top prices for or butter fand can pay only second grade price build up a reputation for good butter, which means increased demand, higher prices and larger returns to the cream producer

## Record Prices for Milking Shorthorns.

Editor "The Farmer's Advocate":
I have just come back from the dispersal sale which many world's records for the tyo made, and the huge sum of $£ 18,698$ securnd for
179 head, or an average of $£ 106112 \mathrm{~s}$. tu. for all kinds, cows, heifers and wee calves counted in.
The cows and heifers averaged $£ 106$ \$s. 11d, and the bulls and male calves $£ 7217 \mathrm{~s}$. 2 d . The chie plum of the sale was the three-year-old heifer
Barrington Duchess 53rd, a roan, by Foundation Stone, out of Barrington Ducbess 34th, of course,
bred at Tring. She is a magnificent heifer beautiful form, with a perfect udder, and on May 15 th gave $40 \frac{1}{2}$ pounds of milk, a feat which she has since improved upon, giving 45 pounds. Her dam gave 9,150 pounds of milk with her first grand dam gave 10.047 pounds of milk in 1908 and
9,178 pounds in 1909. of a cow that averaged 10,212 pounds of milk per annum. So one better understands the leenbidding at 350 guineas, and rose in leaps of 50 suineas to 9.50 guineas, where Robt. La Mond, a Mord, the Cheshire chemical experts, of Bought her for his farm at Sevenoaks in Kent. Her roan
cow calf, Barrington Duchess 55 th, by Duke of Acomb, reached 160 guineas, so that her brace fetched 1,110 guineas. It was a world's record or a dairy Shorthorn, and of course one for the mite of a calf which was just a month old tioneer, Frank Matthews, of Thornton \& Co as the attendant gingerly carried the calf out of the Another cheer was raised when the heifer Apple Blossom, also by Foundation Stone the stud bid of Mr. Askew for 650 guineas. Her dam averaged 8,790 pounds of milk för four years,
which is some pail silling. Her calt, a red and
Hel white heifer, realized 85 guineas, Mir. Askew Butterfy whose dam, Anita, gave 16,884 pounds of milk from July 15, 1912 to July 14, 1913, and on September 13 of that same Jear was still
giving 20 pounds per day. Patricia, one of the Hoggathorpe tribe realized 300 guineos, Samuel into their twoos and three's of hundreds, and when the sale was over three
huers were called for the auctioneer, who soid 179 lots in 350 minutes. The previous record Taylor's dairy Shorthorns were sold, but this one of $£ 106$ smashed it into bits. One wonders what the Shires at Tring will make when they
come under the auctioneer's hammer.
G. T. Burrows.
Surrey, Engiand.

## POULTRY.

Good for the Hens and Good for the Chicks.
Where poultry is raised on a large scate incu-
bators must be resorted to, but there is some bators must be resorted to, but there is some-
thing lacking in almost every incubator, and that something has not yet been definitely discovered.
Incubator chickens, for some reason, do not seem to be as hardy as those hatched under hens. In a flock of 3,000 young chicks, which we saw a
few days ago, and most of which were hatched in incubators and brooded artifically, we noticed a number of hens running with good-sized broods of
young chickens. It was learned that these hens young chickens. It was learned that these hens
had been given eggs from breeding pens which had not been hatching well in the machines, or which had produced chickens from the macchines able percentage. A large number of these eggs were set under hens, ano a days or two atter the chickens were hatched the hens were given free
range with the youngsters. A high percentage hatch was obtained, and the mortaiity of the young chicks was very small. To all appearances
they were a hardy, vigorous lot when hatched by the natural method and given free range with the hens, and, while discussing this matter, git
well to point out that young chickens to grow into the hardiest and best stock, either for
breeding purposes or for fattening for sale shouid breeding purposes or for fattening for sale shour
have as much free ramge as posite, preferably
For this reason the colony system of raising has come into general favor, astem of raising has come into generan haves
and there is no hetter place to put he houses
than in the corn field as soon as the corn is
 It may also be stated in this connection that it is a very good practice where large numbers of
treeding chickens are kept to allow some of the
tost valuable hens to bring off a brood of
chickens and run with them during the summer.
As Prof. Graham, of the Ontario Agricultural College states. there is no better way of working
off surplus fat and placing the hen in a strong, off surplus far and placing the hen in a strong, operations than aliowing her to run with a brood of chickens during the summer months. The exercise she gets in scratching for the brood is good
for her, as her laying propensities and the hardior her, as her laying propensities and the hardi-
ness of her chickens will show the next season,

Give the Clucker a Nest She Cannot

## Warm.

One of the most troublesome factors in maintaining egg production, especially with the heavier breeds of poultry during the summer months is broodiness. Many suggestions have been put forward through "'The Farmer's Advo-
cate", for breaking up broody hens, among them being the placing of the cluckers in a pen where several active male birds are kept. The other day we noticed at the Poultry
ment of the Onart-
Ontario Agricultural
College an idea which, while not new, will hikely prove new to many of our readdeck feeding crates with wire six inches under the wire was placed a board bottom to catch the droppings, but the hens were on the wire floor. As pointed out by Prof. Graham, a hen will not sit on anything she cannot get warm. Those who have had experience
in breaking up broody hens have found many so persistent that they would sit on bare boards, on bricks and even on flat roosts. These hens would soon give up the job if they were placed on a wire bottom under which air circulates freeday of our visit and were ali standing up. The secret of the matter is that the cool air circulating underneath gives the hen no chance to get
the nest warm and she soon becomes disgusted, stands up and forgets all about her incubation tendencies. This is a small point, but one well worth knowing and worthy of use
While watching the hens in these enclosures one of our party asked how long it took to break ap persistent cuckers. The reply was "about aur days," which is a comparatively short time broody is very prevalent amongst the heavier breeds. It was also pointed out that in every case where hens are confined for this purpose they should be well fed. The impression seems
to be abroad even at this time that broody hens should be starved and treated as badiy as possible. This is a mistaker, for the hen must be well fod and well cared for if she is to commence lay-
ine again in a short time. Prof. Graham stated ing again in a short time. Prof. Graham stated
that these hens were fed all they would eat and that these hens were fed all they would eat aid
made as comfortable as possible in their wire mottom boxes. It is well then to give ail the
boody hens so enclosed plenty of feed. mixed broody hens so enclosed plenty
grains, green feed and grit, and also freesh water grains, green feed and grit, and also fresh water
that they may be induced to commence laving as soon as possible after being let out of con-
finement.

## A Run for the Roosters.

. One of the main factors in the production of strong, healthy chicks is breeding stock which shows great vitality. It is the belief amongst poultrymen that a weak constitution is inherited in poultry just as surely as it is in live stock, and it profitable chickens are to be produced much depends upon the male birds in the bred ing pens which must be in a vigorous condition and capable of transmitting their vigor to the chicks. For this year, the breeding season is about over and it is advisable to remove the male birds from all of the laying pens. This insures infertive
The problem is what to do with the roosters Where pure-bred flocks are kept and valuable binds used for breeding purposes it is not wise to kill each year, the male birds. They should be kept visit future seasons. The other day while on happened to notice a large number of male birds of all brepds running together in one pen with an outside run. It was explained to us that as the pen is no longer needed for breeding purposes the the others and in a short time all the valuable males from the breeding pens are run together in
one yard. We wondered at this, believing that they would fight, and so they do, but, according
to Prof. Graham, it is one grand opportunfity to demonstrate the survival of the fittest.
Occasionally a good bird is set upon and killed, come through all right and they certainly get
the men around the Department call this 'pen The Old Boys' Reunion." Of course, on the same system could well be put into practice with them. It would not take much chicken wire to construct an outsfide pen, and any box of sufficient size could be ived
night shelter. This would be a far more satisfactory way to keep the breeding males than to allow them to run all
One of the best ways of keeping the males
hrough the winter is in small coops. This is through the winter is inn small coops. This is not followed on many farms but has been found
by poultrymen to be successful. A wittle care of the roosters would mean more Atrong chickens
and fever complaints about mortality after hatching.

## HORTICULTURE.

## Garden Pests and how to Combat

 Them.Root maggots and plant lice or aphids were discussed in the issue of June 17 and should be only two speciips however, of the great body of injurious insects which gardeners must combat. A graphs.
with domese butterfly.-Truck gardeners and people cabbage butterly and its pestiferous offispring. quite yellow in hue. white but often it is seen from early spring until late in the autumn. The cabbage worm is velvety, green and measures,
when full-grown, about 1t inches in length The when full-grown, about 1 it inches in length. The worm begins work eariy in the season and arter the inner leaves of the forming head. Even when it has secreted itself in the head its presence will be detected by the excrements to be seen on the plant.
Arsenicals are most effcient in controlling the caterpillars or worms. Before the heads begin to
form dust with Paris green mixed with considerable air-slaked lime or land plaster. After the plants are too far advanced and there is danger of poisoning consumers of the cabbage, spray with fresh pyrethrum, 1 ounce to 1 gallon of water.
This substance will destroy insects but it is not poisonous to humans in small quantities. Caulillowers are attacked by the same post and the treatment in ca
the cauliflower.
Cucumber beetles-Such plants as. Cucumbers, melons, squash and kindred varieties of garde
crops are often attacked early in the season by a small, striped beetle which will measure abou two-fifths of an inch in length. Its color it yellow above with a black head. The outside or
hard wings are striped longitudinnally hard wings are striped longitudinally. It is one
of the hardest pests to control that affecte garden crops. Poisons are not entirely satisfactory and efforts should be made to deistroy them as much ing force ing forge of the following spring may be very
much diminished: After the crop if harvested the old vines shoutd be burned but to leave a fow plants here and there upon which any remaining boetles might congregate and be easily destroyed. In some districts "driving" is
practiced. This consists in throwing airelocked practiced. This consists in throwing air-slacked
lime into the wind from the windward side patch. They will on plants not covered by the lime. These plants should be treated with Paris green, about $\ddagger \mathrm{lb}$. considprable numbers of the insects.
Cut-worms.-The season when the cut-worm does the most extensive damage is almost past or this summer but many inquiries come to "The helieve that no small done by this provoking enemy of the garden. The
adult is a moth which flies at night and the larva or worm ia also nocturnal in its habitt The worm will vary in size from 1 inch to 1 It
inches in length when mature but if it has beet inches in length when mature but if it has been
prosperous during its lifetimes it will probably come nearer to the greater length. There are several species of cutworms and when solne
varieties become abundant enough they acquine the climbing habit and work above ground. custom is to cut of young plant mlant begins to surace of thjured and suddenly wilts the gardener will usually find, upon digging into
the earth, a small worm of a dull dirty-brown pests of the garden.
The most effective treatment for the cut-worm is a mixture of poisoned bran. This is composed of 1 lb. of Paris green to 100 lus. of bran. It
is lest prepared by first dampening some bran water and then sprinkling the
enough to cause the poison to adhere to the bran and so it will slip through the fingers easily or garden requirements. The mixture should be placed around the plants in the evening or after noon so when the worms come near the surface ture. Cut-worms are very fond of poisoned bran and when young plants are being set in the open garden it is well to take the precaution of
putting a little of the mixture around them. putting a little of the mixture around them. mixture: It is poisonous to them as well as to mixture:

## Three Potato Scourges

ew crops are subjected to such implacable enemies as is the potato. The Colorado potato Beetle and late blight of potato are relentless their onslaught, and although the beetle is generally combated by growers the tolight is too often allowed to go unscathed. Perhaps the reason is that the disease of the potato called "late blight" works in a more mysterious way than does the beetle. It is not so easingoling served, in the case of the beetle the young may be seen at work devouring the foliage and after arsenicals are applied it aifords the grower no small amount of delight to see the slugs darkened and dead beneath the plants. Preventive measures must be taken to control the blight, for when once it becomes established it is sure to do considerable damage before being

In addition to the beetle and the late blight fungous disease and operates in much the same way as the late biight. However, it does not cause the potatoes to rot, but it will cause the
plants to weaken and die before the small tubers plants attained to any size. Growers may think that the tops have died a natural death, but in many cases it is the early blight which has
played havoc with the crop. In one instance played havoc with the crop. In one instance, which of early potatoes, grown as a purely commercial scheme to take advantage of the early
markets, was affected with early blight. markets, was affected with early bright. Onesize, and were almost valueless. The marks which identify early blight are the peculiar con-
centric rings upon the leaf. The foliage assumes centric rings upon the leaf. The foliage assumes
different color. Grayish-brown leaf spots a different color. Grayish-brown leaf spots
which are brittle, irregularly circular and marked in a concentric manner (one ring within another) appear about the time the tubers begin to form
These spots later come together and involve These spots later come together and involve
large areas of leaf tissue and results in brown, large areas of leaf tissue and results in brown,
withered leaves, the stems remaining green. The progress of the disease covers three or four weeks before all leaves are dead, but the disease so diminishes the vigo
is largely reduced.
The late blight.
The late blight, an entirely different disease generally shows first near the tip or margin of a dirty color, progress of the fungus is checked by unfavorable
climatic conditions. Under conditions of humid atmosphere fine, white down may be seen upo the the recently invaded parts. This attack odor which may be recognized a a considerable distance from the field. Unllke the early blight the late blight affects the tubers themselves. Upon
dry land, dry rot results, while upon very moist soils the tuber will decay quickly and form into whitish slimy mass. In fact the disease lis carried ovar in the tubers, and some plants may
he affected with the disease when thev first come above ground. They act as a harbor for the absease and spread the epidemic.
The one efficient treatment for blights of The one efficient treatment for blights of
potato is the Bordeaux mixture. This has been
so often described that it needs no explanation so often described that it needs no explanation common when spraying is being done that it be comes necessary to use about one pound of Pari.
green to the 40 gallons of Bordeaux mixture. In such a case it is wise to use two additiona
pounds of lime to prevent burning of the foliage Wherever experiments have been tried with spray have usually been favorable to the method Where check plots have been left it has heen
demonstrated that the life of the plant is condemonstrated that the life of the plant is con
siderably prolonged by this preventive treatment
The tubers are usually larger and The free from disease. Spraying should com-
more
mence upon the first appearance of early blight. mence upon the first appearance of early blight weather warrants. After the slugs of the potat
heetle become common it is well to prepare fo he late blight and spray thoroughly. Preventiv of potatoes, for when it is once established in the of potatoes, for when it is once established in th
tissue of the leaf it is hard to combat.

## Asparagus Plantations From

 Seedlings.Not many years ago the prevailing custom in starting an asparagus plantation was to purchase crowns from the seedsmen and set them about 8 or 10 inches deep in the soil. Visits to many gardening farms this season have shown this system to be going out of date for the majority are growing their own seedlings which will be transppring of the permanent asparagus field in the spring of 1916
get plants for this purpose asparagus seed is sown in drills three feet apart as soon as the ground is fit to work in the
spring. Usually it is done the last of April or during the first two weeks of May. When the seedlings are 2 or 3 inches high the weaker' ones are thinned out so as to leave the young plants ebout 3 inches apart in the rows. Cultivation should be frequent to keep down weeds. It is possible also to produce the sedlings in the greenhouse during the winter months but the hardening process should be carefully 'executed in the spring before the tender plants are committed to the mercy of the weather.
The field which is to become the permanent
antation should be well prepared by plowing plantation should be well prepared by plowing and disking and cultivation on the previous year should be such as to leave the soil in proper
tilth. After the land is levelled, furrows to the


A Field of Young Asparagus.
the land ridged up so the plants,
about six inches below the sur face.
depth of 6 or 8 inches are run out. The bottom
should be V-shaped and this may be acconplish by plowing a furrow each way. ting should begin. During transplanting, weak fairly easy matter to produce enough will be plants so it is manifestly unwise to make use o promise of continuing so the beginning and give promise of continuing so. The plants should be the furrows themselves should be at least 4 feet apart. Many plant 5 feet apart and clatim that ough cultivation. In a garden for family use practicable but on a commercial scale 4 or 5 f in the batt. With a dibber the seedlings are se drawn around them furrow and some loose soi bottom of the furrow and some moist soil drawn scuffling over the roots. From this on frequent loose mulch hoeing should be carried on. A requirements for the summer. The furrows will diskially fill and the field will become level wil as on an ordiner operations may be carried out Some growers, especially in British Columbia do not even favor transplanting the seedlings, Their contention is that the transplanting tends
to produce woodiness in the shoots thus depre desirable the value of the crop. To evade this un where the asparagus will remain permanently and radish seed is sown at the same time to mark
the rows. Cultivation may commence before the asnaracus appears above ground fore the radish plainly that only careless laborers will do ins s It is claimed that the one-year-old seedling
will produce cuttings as quickly as will the three
vear-old cre rear-old crown. It reauires about four trear
before any extensive cuttine moy the before any extensive cutting may he done but in
spite of this delay cardeners find it profitable $t$
have a plantation of Asparagus

The Busy Season For Associations. Many men fail in the fruit business, not be cause they are unable to raise large yields be
first-class produce, but because of a lack of Arst-class produce, but because of a lack of
special knowledge and understanding of markets and marketing. Fruit growing is a science iruit selling is a fine art. The managers of co-
operative associations must have abilities different from those required have the grower. It is not altogether necessary that the manager knows how to grow fruit at all, but one thing he must know and that is how to sell it. In the association in the State of Kansas, the operative the helm " must have his hand on the wire at ear at the 'phone, his eye, upon the market and As this the business
the State Board of Agriculture for the Seport of Kansas, the manager sees that shipments of fruit are properly marked, routed, loaded, braced, iced and ventilated. No more worry for the grower about glutted market, grasping buyers or any
other of the numerous evils that beset the pathway of the individuals. As in the factory and all other modern business of the day, waste is
eliminated. The events leading up to the organization of this association, now known by the name of Wathena, resemble very much the history of co-
operative associations in Canada. In the disoperative associations in Canada. In the dis-
trict referred to the growers of fruit had be come dissatisfied, prices had declined unitil only 50 or 60 cents per crate could be obtained only
blackberries. It blackberries. It was then that the producers got
together, and from their first together, and from their first meeting grew an
association which now owns property valued at about $\$ 20,000$, consisting of warehouses, shipping sheds, and a fine office building. One secret of the success of this association lies in the fact
that the manager was not afraid to assert his authority and compell the growers to conform
to the rules and regulations of the institution to the rules and regulations of the institution
which the growers themselves had established. If which the growers themselves had established. If
associations in this country would reduce their associars and enforce their laws and rules more rigidly they would have a brighter future The time is now coming when the manager
will be sorely tried. He must handle the markets
with will be sorely tried. He must handle the markets
with gloves and too many times the growers in the same manner. Selling fruit is a strenuous job and growers should render every assistance
within their power: A name for good fruit can within their power, A name for good fruit can
only be acquired and maintained through the only be acquired and maintained through the
efforts of the growers and under the direction of a competent manager the producer should do his
best in preparing the fruit offered to the buyer.

## FARM BULLETIN.

## Leisure Kills

We would call the attention of any farmer who is thinking of retiring to the following article by have always doubted the pleasure a farmer got out of his retired life in the village or town. We always knew of his uselessness to the community.
Now, here is a new phase of the retired farmer's life : Leisure has killed more people in Homeburg than work ever did. For years our biggest farmers alive. When a farmer has worked 40 years or so, and has accumulated a quarter secschool educa, and a few children who need high school education, he rents his farm and moves
into town where he lives comfortably on $\$ 50$ a month and fills a tasty tomb: in a very few years It isn't so hard on the farmer's wife, because she takes her housework into town with her and
keeps busy. But when the farmer has settled down in town, far from a chance to work, he discovers that he has about 14 hours of leisure each day on his hands with nothing to do with
them but to eat. Out of regard for his digestion he can't eat more than three hours a day. That leaves him 11 hours in which to go down town for the mail and do the chores around the house. second is so long that he begins to lay plans for to his bed and dies, with the third year he take, what leisure does to a Homeburg man who Isn't used to it. And that is one of the reasons why,
when I see a man in New York with nothing to when I see a man in New York with nothing the
do from choice, I think of the sad army of the unemployed in Homeburg draping themselves around the grain office every day in fine weathe
and wearing away weary years in idleness because and wearing away weary years in idleness becaus
they are too old to work and don't have to they are
The Order unider the Animal Contagious
Diseases Act of date the 4th May, 1915, as Diseases Act of date the 4th May, 1915, a
amended by the Order of date the 15th May, 1915, has been further amended as follows '-
Hay from the State of Vermont will be and Hay from the State of Vermont will be and-
mitted, provided each shipment is accompanied bV mitted, provided each shipment is accompa of tha
an affidavit that the hav is the product
State.

## Our Scottish Letter

In these war days one's heart gets steeled to
ordinary disasters.
Every day brings its new tale of sorrow. Still there ere catastrophies so
appaling that oven the most callous are co appaling that even he most callous are con-
strained to recognize that this is no time for tolly. Two such appalling events took place
during May.-The torpedoing of the Lusitania in of May, and the double railway of the sevent in the early morning of Saturday, May 22. Both events are without paralleel and are likely to remain so for many a long day,-let us hoo for
ever. The sinking of the Lusitania may have for reaching consequences. The negotiations between
the United States and Germany proced slowly the United States and Germany proceed slowly,
and so far as Great Britain is concerned her present course is to maintanin a wiserceresed. Ser She
has a big bill to settle with the Kaiser and his hordes. The Lusitania is a big item in that bill itut, let it never be forgotten, it is only one the deaths of many soldiers belanging involved vere proceeding to treck front and some belonging o other regiments who were returning wounded after having done their part at the front. The
cause of the disaster was simplicity itseit, forgetfulness on the part of a signalman that he had
a local train shunted on to the up line to let a local train shunted ondon express get past on the dovn line. up line, with no signals against her and dashed into the local train, throwing the debris across
on to the down line and then the express, with signals put against her too late, came dashing
into the debris on the down line und the whole went on hre. The story is too horrills for
recital. The aconies of the dying were in many cases beyond description and the death roll far ever taken place in the British Isles. I am not sure that it does not exceed that recorded in
connection with any railway accident in the connection with any railway accident in the
world. We are living in a day when men should be wise, and refect on the main things to
much greater degree than is usual with them.
May has been a month of unusual sunshine, yet in spite of that it has ben true to fts
charactere as one of the most treacherous months
in the but we had also very cold "snans" with frosts, and even heavy falls of snow. Perhaps in no

## Till May be out

been more signally justified. It was very danger-
ous to cast heavy clothing, even although it was unduly burdensome to mear such on some days. A warm, mild day would be succeeded by a day
on which the east wind made itself familiar as on a day in March. The prevailing wind throughout the month was east and consequently, while
the weather was in general favorable for the working of land, and field labor, in spite of
scarcity of hands, is not as a rule unduly hehind, there was comparatively little growth and pas-
tures in tures in particular have not been at all nourish-
ing for stock. Grass is certainly behind and stock are
should do.
The lahor question has become acute in many
districts but there is a likelihood that
with organization the difficulties in in most cases may be
overcome. The the
 more prassing tasks when need is greatest.
F.fforts are also being made to transfer the fisher girls, who used to be largely employed at the fise
Gishing stations in employment. This of course casnot be telfected all at once and various organizations are at work
endeavoring to perfect arrangements. There is an wages at the fishing stations, whereas female laljor in ayriculture, where its employment holds
does not command a very high figure. The fisher
tiils not





 of the fishing fleet during the latter part of July
vill Le at Wick on the extreme north-east coast
of Scotland. Leaving them after a bit the hear quarters shirt to the Moray firth and then to places continue to be headquarters for a considerable length of time during Autumn. In late autumn a big change takes place, and from that
time until the ciose of the season in November
the the headquarters are at Lowestoft and Yarmouth Hebride Noriolk coast. The girls from the follow the fishing to clean the herring and when the season is over they return home. Under or $£ 30,000$. Last year war broke out in the beginning of August when the east coat insthing
was just beginning. of course the whole fishing was just beginning. Of course the whole fishing
at once came to a standstill and many of the girls returned home peniless. There is of
necessity no fishing this year. The firls ar necessity no fifhing this year. The girls are
idile and agriculture needs labor. Hence the posi-
ition alrearly idle and agriculture nee
tion already described.
Horse Breeding is being prosecuted on systematic lines. The scheme for registering syatlioms
after an annual examination for soundness by
after officials appointed by the Board of Agriculture Fisheries in Fingland, has fairly caught on For the current season 4i4. Clydesdale gtallions are same breed aro registered in Fingland. Last ye
the number the number registered in Scotland was 254 , so
that the scheme has rapidly advanced in larity. The oldest Clydesdales on the popu-
Repisters
Clwo Registers are five sons of Baron's Pride-namely
Baron Mitchell 10688 , Silver Cup 11184, Everlasting 11331, and Baro Godolphin 11602, and also Conductor 11308 . These horses were foaled in 1898, 1899 and 1900, and it is surely an indication of the
soundness of the bred that soundness of the breed that at their ages they
have been examined and are passed as sound and free from hereditary disease. Messrs. A. \& W. Montgomery, Kirkcudbright, have 78 horses on
the Register. Matthew Marshall, Stranraer has 37. James Kilpatrick, Craitge, Mrains, Kilmar-
nock,
27.
William Dunlop Dunure Man 16, and G. A. Ferguson, Surradale, Elgin, an equal number. Robert Brydon, Seaham Harbour, has the largest number of Clydesdales registered in England. Many of the principal shows in
Scotland are not to be held this year. This seems a wise decision. People elenerally have
littele heart for attending shows, which after all are to the majority a form of relaxation and necessities of the military situation to demand the employment of all the railway lines, as might very well be the case, on the very days when
stock and implements were heing stow ow, or when crowds wanted to cartend to The
Highlay Agricultural Society, the Perthshire Society, the Dumfries Society and many others have decided going on and during this week we have had quite
good exhibitions of stock at Hamilton ior good exhibitions of stock at Hamilton for
Lanarkshire and Paisley for Renfrewshire. Farmers are making money at present a
almost every kind of farm product has advance in price and at a great rate. Chiefly does this apply to beef and mutton. The former has not been as dear for. sixty years. Last week as high
as 71 s 10 d per cwt. (112 lbs.) live weight was recorded, and dead weight beef was selling a
from 105s to 114 s per cwt. of 112 lb . Chesse also making an abor cwal. price, up to 80 anse and
85 and even 90s per cwt. of 112 lbs. that Cheddars, and I notice that it is this variety and the Dunlop which is tiatinct is this variets brend, which are making these relatively high prices.
Cheshire does not soem to have advanced to any thing like the same extent in proportion. Th.
army is being largely fed on Cheddar Chaose. believe the whole of the overseas imports are
going to the army and the home product is leing
$\qquad$
Mace. The lamented death of Lord Rothschild
of Jersey cattle and Dairy Shorthorns. The
Torner sold well enough but the Dairy Shorthorns
ormer sold well enough but the Dairy Shorthorns
Which were dispersed under the hammer hy Messry
Thn Thornton \& Co., London, on Thursday, 3 .

calves made an average of $£ 134$ each. One three-
are mace 650 g. and a third a little older made
320 ms . The cait from the 950 ks. cow made
160

of the Dairy Shorthorn Society. Whatever else
that Society may not have done it has unques-
tionably, been the means of greatly enhancing the
vaiue of Dairy Shorthorns. That there was need
of some such control as the Dairy Shorthorn
Socicty eeverts is evident from the results. There
on paper pedigree that milhing qualitites ran raisk
of heing altogether overioked. As a matter
horn families have the reputation of being very
poor milkers. The development of milkin properties within the limits of Coates, Herd upon the breed as a whole. It is a safe principle that no female can be a good mother which is not a good milker., Nature's provision for the young fi the miother's milk and the most profit
able calves are those which follow dams that are good milkers. Cows that are good milkers are usually regular breeders, and this also is a grea matter in connection with Shorthorns, $A$ superio herd of Aberden-Angus cattle, that of cluny in
Strathspey has also lately been disporsed. The average pricico of 50 head was $£ 4617 \mathrm{~s} 2 \mathrm{~d}$, quite
a satisfuctory price a satisfuctory price.
Auctioneers or salesmen in connection with the disposal of farm stock are generally supposed to
mate money. It is difficult to see why the should not. One of the best known of these gentlemen, Mr. Embleton, founder of a firm with
marts in Berwick-om-Tweed, and the North
End England, died recontly and his fortune has been returned for probate at $£ 28,533$.

The Outlook in Middlesex and Huron.
of "Thard the end of last, week a representative the northern part of Middlesex count trip throug into the southern townships of Huron. Cro along the road traversed, were looking very wel on the whole, but in some of the fields altogethe
too many Canadian thistles were there was plenty of work still to be done ant the spud or scy the if these fielde are to be clean
at harvest tine. Nothing will pay the farmer better than to keep the weeds from going to seed in his grain crops, and it is time now ibat th dopreme effort was being made to get this work old pastures, for this is a stock-grazing section appear to be running out and many are becomin infestod with ox-eye daisy, a weed which becomes established. TThe cold, backward once accompanied by frosts, which wher fhroughout this district this spring, had the in some ceapes the grass back and pasture is the year. However, recent heavy rains have in proved matters and the pasture should so on an do well during the remainder of the summer Large numbers of good steers are grazing in
northern Middlesex county at the prosent being finished off on the grass, to be turned away as soon as the flush of the pasture season i over. This country is noted for the clas3 of gras Hay is going to
Hay is going to be a light erop in the parti-
ular parts of these counties visited. While quite thick on the ground, it is very short and comparatively gpeaking late. Farmers will not rush
to cutting the hay until it has reched maximum growth. No crop was injured more by the fros than this and the odd mearows, composed largely of timothy, were even harder hit than the nev
geedings of red clover.
Only was seen in a drive of over 80 miles. nice fields of alsike clover were just in full bloon and should yield profitable seed crops. A number
of farmers are sowing a sprinkling of als alse Grain crops thro mixtures. district were mak ing rapid growth. Barley was in the shot-blade tage, and oats were covering the ground well, headed. This latter cron was extensively, sow last fall and is a uniformly good stand althoug not quite as heavy in these counties as in som Roots and corn were coming ato ine patches of mangels were noticed, some of them thinned, others ready to thin. A few larg the time of our trip. This crop promises to be gairly profitable for the grower. Not so many turnips are grown as formerly but small acreage were noticed on many farms. Some were just crop is evidently gaining in favor year hy year.
Large acreages are seen on most farms in ncarly sery district, although silcs do not seen to be as they are in more pronounced dairy counties During recent years a great deal of discussion has taken place over statute labor as performed
on the country roads. Fast week and the
orestious weak. we hapened to drive ouer many miles of Onterio roads unon which statute lator as we could. see, very good wor: was ressulting
from the svstem and as a cencral thing the roads were beiny well kent up where theso men, taking
then were putting their best into an endeavor to tuilid and maintain satisfactory roads. The system is
not as bad as some people would have us heli We have seen for worse roads result fro

What Does a Ton of Hay Cost. The higher prices for hay prevailing in many
ssctions during the past year stimulated its sale scetions during the past year stimulated its sale
and revived a tangible intperest in the crop as a
reven revenue producer. Leaving out of cons:deration
the amount of fertility required for the growth the amount of fertility required for the growth
of a goon crop of hay, hehiefy timothy, the sort
usually mareeted, and its feeding value is is not usually marzeeted, and its feeding value is is not not
desirable to make specific enquiry as to the cost desirable to make specific enquiry as to the cost
of provuction? Modern hay-making from siart to prouection? Modern hay-making fequires an extensive implement plant
to to dinish reauires an extensive implement plant
and intligent operation tiy men and horses. All
this represents outtay but just how much in
 in good, average condition? On a given field
how much time of men and horses is required to how much time of men and horses is reauirend to
cut, ted, rake, coil, team to the barn, unload and store The number of averaged-sized loads
will approximate the yield per acre and the rast will approximate the yield per acre and the rast
of the calculation is easy. In different parts of the country this season a good many crop com-
petitions are in prograss but mostly with cereal3 petitions are in progras but mostly with cereal3 and roots. A great deal of interest would be
anded if readers of "The Farmer's Advozate"
woul would keap tab on the hay crop and sead us a whour teetter with details of thee results wounen the
shaying is completed. With definite information
advantage with a view to reducing outlay is
future by
 merchantable hay in order to obtiond a fair recurn
irom the land according to its value reatal. Under what conditions is hay selling com mendable farm practice and at what price 'per
ton is this the case? on is this the case? Keep note of the crop as
suggested and send the results to "The Frop suggested and send the results to "The Farmer's
Adiocate" as soon as convenient. Who will Advocate as soon as convenient. Who wille be be
the frst $t$ report on the cost of hay production
in $1915 ?$

## Canadian Fruit Packages.

Cultural methods of growing fruit have benn
airly well agreed upon in Canada but heated discussions often arise over the use of various sypes
of fruit packages. The fruit industry in Canada is divided, as regards paciages, into three camps,
The Nova Scotians . have a barrel and other
 argest producer of trew and small fruits is made is the Pacific wrovince or British Columbia. Owing to the diffirencece in the markets to which these three great fruit producing districts cater
there are different packages in use and only after years of conventions, conferences and discussions can we expret anything like a standard or uni-
versal package for the Dominion. The quality of the fruit must decide to some extent the nature of the container but when a consumer on the prairie buys a barrel $h$ when a likes tonsumer on on the
what barrel means and if he desires a box of small
fruits there may be
 fifths. In other lines of merchandise a pound is
a pound, $a$ quart is a quart and a barrel is a pound, a quart is a quart and a barrel is a
barrel. The consumer must be considered in this matter of fruit transactions and the sooner the growers on both sides of the line as well as
within our own confines can agree as to what is witain our own confines can agree as to what is
meant by a barrel, a box or a basket the quicker meant by a barrel, a box or a basket the quicker
will some of the difficult marketing proillems be be maty solved. The intent of this article is not to
renew the discussion on the mater of paciages renew the discussion on the matter of paciages
but to bring to the attention of producers the
 consumers with the size and capacity of such ackage
Apples are still handled largely in barrels,
although British Columbia prowers make no of such a package, it is still most common in Ontario and Nova Scotia. The barrel from the
Atlantic Atlantic Province conforms to the minimum
requirements of the Inspection and Sale Act and reguirements of the Inspection and Sale Act and
contains 96 quarts. The dimensions for such must be
 Head diameter, 17 inches, inside measurement
Middle
diameter, $18 \hbar$ inches, inside The uss of a smaller barrel than thus spesified is in violation of the Inspection and usually 14 inches greater between honds and 1
inch larger in middle diameter. It is ucedless to reate here the advantages of each size. The
advocates of the different sizes cling to their own ideas but this is one package as to which grower's could agree without any material l.ss as the
quality of the fruit is such that eithrs size is As to boxes the Canadian standarizod model
is $10 \times 11 \times 20$ inches, inside measurempnts.
The
 inche thick, the sides not less than ${ }^{\text {inch }}$ thick
the top and bottom sions cannot be changed to any great extent for
if the ends arp thicker there is unnecessary weight of wood and a clumsiness in anpearance that
detracts $f r o m$ the value of the pand
 press ure exerted 1 , the third and forth the the
will rendpre the first and sicond layers slack. The top and bottom must have the proper swell when the hox is will. Anything lighter than the speci-
fication will not likely stand while
anvthing heavier will not spring enough and the frrit will
lee injured. Throughout, the wood should toe of good quality. Broken packages detract fro in the
vallie of the entire shipment. The best available
 for the side and ends, Hoivever, there should the
mo d dsparity of colors in the diferent parts. The
liox should he put to lox should be put toyether-with four-penyy
rosen ned nails. They are sometimes callocl waxed
nails and ther hold much leetsir than the corvil
 Cleats should be used on top and bottow.
When nailine on top and bottom nail through the
cloant If there should be any tendenč to split clent. If there should we any tendencry to split
the cleats. conak them in

Even in the case of boxes there is a differ, nce busket factorics was carried out 'during the
in the sizes as they appear on our markets. months of March and April, 1915 and Donald
Those coning from the United States do not Johnson, the Dominion Fruit Commis, ioner,
resemble ours in every respect and consumers are again confused. At the Fourth Dominion ConGrence of Fruit Growers of the Dominion held in
Grimsby last, Spptember the following motion was carried Govesolied that we respertiully ments as to size or capacity of fruit packages
for Canadian fruit shall apply equally and as for Canadian fruit shall apply equally, and as
rigidly to fruit imported into Canada." If the Government should see fit to enact such measure it would tend to standardize the capacity
of the various fruit containers offered for sale. The basket in common use for peaches, apples.
plums, pears, cherries, plums, pears, cherries, grapes and other fruits is
a most familiar package on the market of the Dominion. Baskets containing 6 quarts and 11 yuarts are the most common sizes yet some consumers have been so unobservant as not t quarts. Even some growers, rather new at the fruit-growing game sppak of baskets as though all were of the same, size. The standard Canadian baskets in common use have the
following dimensions:-
Eleven-quart baskets to be 5 , inches deap perpendicularly, $18 \frac{1}{3}$ inches in lo $5 \frac{1}{3}$, inches decep, in width at the top of the basket, 16 inches in the basket, as nearly exactly as practicable, all measurements to be inside of the venэer proper
and not to include the top band. Six-quart basket to be $4 \frac{1}{2}$ inches de p perpen
dicularly, 15 width at, the top of the basket and 13 inches in inches in length and $5 \frac{7}{\text { f inches in width at the bottom, as }}$ nearly as practicable, all measurements to be the top band.
There are linstances where the standard baskets
are not convenient packages. In the case of large
peaches they peaches they will packages. In the case of large
into layers will not fill the container. In such a case
lase growers have used the deep eleven-quart basket
with success. This packare of course the same quantity as the standard eleven-quar but the dimensions are altered. Jas. Aitchison,
manager of the O. and W . at Grimsby believes packed in the standard basket but he is not adverse to the deep-eleven. Some shippers orbiect loading a car owing to the difference in sire when compared with the ordinary basket. F. M
Clement, Director of the Vineland Fxpriment Station favors the "shallow-nine" for peaches of
exceptional size, yet it should be remem"ered that such a basket must harp stamped upon the side
plainly in black letters at least three-quarters of an inch deap and wide the word "quart" preceded
with the mininum number of . quarts, omitting fractions, which the basket will hold when level
full. This requirement is omiting syection and Sale Act and applizs to all bas'ets more, eleven quarts, six quarts or two and or
fifths quarts, and manufactured as directed
cland clause 2 , section 326 of the 1 ct.
It is necessary that consumers acquaint thomselves with the size of laskets and what quantity
they contain. A misunderstanding often arises
oer the sivequart this the six-quart and eleven-quart haskets but
thiraranted for they have lieen the
standard has'ets lone standard baskets long enough and have lieen used
in such large quantitities during the last few years
that consumers and producers alike chould no abuses to arise out of the use of eitber.
It is to he hoped that qurwers will nover
again resort to the use of surby again resort the the use of such haskets as were
forced on them in the seacon of 1913 . It was a
vear of abundence with sin

 anc. of the entire shismont is denreciated. The mortunt as the cluality of the same and the
manner of nailing. however an inspection of
reports at the beginning of Juit Commis, Coner "At the present time there is not a dishonest package being manufactured in Untario. Correc ions have bean made in every instance where the
dimensions had previously been wrong. All faulty dimensions had previously been wrong. All faulty
material is being discarded and greater care is being given to proper nailing. It is firmly believed that there will be little or no complaint
from Ontario growers this season rom Ontario growers this season as to the size
and strength of packages." The berry box recognized as standard in Canada contains either two-fifths or four-fifths of a quart. The smaller sizes are used chiefly in the
West, but in Ontario the four-fifths is the common size. These are usually packed in crates holding 24 eech. The handle on this package renders it convenient for handling, but in the
opinion of some a larger crate with no hade opinion of some a larger crate with no handle
would serve in the best interests of the Transportation employees could not then handle them so easily and so roughly as they are often
accused of doing with the 24 -box crate The berry box coming in from the United States usually contains a full quart or a full pint. On the Ontario markets this disparity in size between our box and that of the foreign
competitor is not so serious as in other places competitor is not so serious as in other places.
Ontario and United States berries meet an competition during the week this articie appears, but previous and subsequent to this period the pro-
duct of either one country or the other is prac duct of either one country or the other is prac-
tically alone on the market. Western conditions are somewhat different, and growers there find hat competition is forcing them to use the full pint and the full quart. At the fruit-grower's use the full pint in the following resolution which was adopted: "Be it resolved that a full dry pint berry box be considered a legal measure, made to deceive the public or imitate the fourThe wording of the previous resolution is significant. It has been reported that the con-
tents of the Canadian four-fifths package has been dumped into the United States plnt, and owing o the slight resemblance in size and form the consumer was given a pint of berries instead of
four-ffths of a quart. This is the evil use to
which which containers are sometimes put, and which requinss, at the hands of the government, the pro-
tection of both the producer and consumer This safeguard is found in section 326 of the Insp tion and Sale Act, which says : "Every box of box manufactured ond offered for sale in cery berr. shall be plainly markedf on the side of the box,
shand
in black teter in black letters at least haif an inch square with
the word 'Short' unless it contains when level full as nearly evactly as practicable.
(a) At least four-fifths of a quart or (b) two fifths of a quart." that may be developed. In one direction it will luxury, by paci ing in large containers and solling them at a price as low as possible and still re turn a fair profit to the producer. In another
direction thare is the fancy trade which calls for the choice article put up in special packages. At
the Vineland Fxperiment Station many different containers are now in storage a waiting the on
coming fruit soacon. Baskets containing one consumer anches will bertunity of of buying a a quantity at
a fair price, while for cherries small a fair price, while for cherries small cartons will
he us? and they will contain edight $12-$ packed so mo stems are to be seen. It is a Cali-
fornia package also used largelv in British fornia package also used largelv in British
Columbia. In the opinion of the Director of the Station it is the work of associations and experiages. It revires constant shipments until con-
sumers get accuvainted with the brards and contents. In tha meantime slight finanrial losses tigh
dizcourave the individual grower, and cause him to discourave the individual grower, and cause him to
relincuish ana hold he had cained on the market
thrownh his remevious efforts. However, many throwth his revious efforts. However, many
prowers have their own snecial trade and cus-
tomers, and in this case it is well to cater to

JUNE their w comatith grower
containe article象 barbari
back,
while parently sign things
out on
and try armers of autor
accent o in the kfrid census ers are oy-ridin
dressed cars" paioneers
pentative it was t
successfu successtu
pioneers
automobil hearing. Tor

## Receipts West Tor morning, <br> morning, prising ${ }^{2}$, sheep and horses, th France. and heifer <br> to $8, .25 ;$ at he to heary shee <br> \$12; hog ofl cars. <br> RERIEW <br> week were <br>  <br> The total <br> Cars. <br>  <br> 

I

JuNE 24, 1915
THE FARMER'S ADVOCATE.
1023:
their wants. The matter of packages is an in-
portant one, for it is so intinately connected
with the shipment and sale of fruit that every with the shipment and sale of fruit that every
grower should pay particular attention to the entire shipment, so detract from the value of the article as to considerably reduce the profits.

## Raising a Dust

Audubon wrote that the Guchas of the Pampas considered the mark of a human foot a sign of
barbarism. Even the children lived on horsebarbarism. Eiven the children lived on horse-
back, and if they ever walked at all it was only back, and if they ever walked at all it was only
while catching a horse. Civilization has ap-
parently moved forward. Now the mark parently moved forward. Now the mark of a
horse's hoof on a pubic highway promises to be horse's hoof on a pubiic highway promises to a be
a sign of barbarism before long. of course expect to be a barbarian for some time yet, but
things have reached such a nass that when out on the public road now I lay back my ears and try to look as if 1 didn't care when the
farmers give me the dust of their automobiles. When we moved to the country there were rumors
of automobiles (then pronounced auto-mo-biles of automobilies (then pronounced auto-mo-biles,
accent on the "o." and " i " both long) being seen the leading roads. Now there are over fifty in Ekfrid township and its villages. At the next census we shall doubtless have to ta:e into conas the live stock. But I am not sure that farmers are making a politic move in going in for joy-riding. When they want their grievances re-
dressed their oppressors will simply point to the "cars" as evidencess of prosperity. In the early part of the last century, when the oppressed pioneers needed relief from taxation, their repre-
sentative threw Archie McKellar's old hat on the table in Parliament with the announcement that successful, but if the descendants of those pioneers went to petition Parliament in their
automobiles they need not expect so patient a automobiles they need not expect so patient a look prosperous, but I am not sure that the
provperity is real. I heard it said of one man


#### Abstract

 it." Of course, no one would deny the farmer the right to an automobile or any other luxury. He has earned it if any one has, that during a period of feverish prosperity before the passing of The Mckinley bili there was con- siderable rivalry siderable rivalry as to which farmer should have the biggest organ or piano. In some cases the the biggest organ or piano. In some cases they had to take out the side of the house to instrument in. Well, I hope the prosperity will last, but land values are very unstable. The Mc- Kinley Bill cut the price of Canadian land in Kinley Bill cut the price of Canadian land in half, ket. But I do not wish to appear on to be op- marposed to automobiles. I would doubtless have one myself if I were not more afraid of the crit- ters then ters than our old driver used to be. Our present do to her, and if they sent up a better-flavored dust I would never notice that a better-tavored road.


 portion of society, and every form of industrymust be kept at its most efficient point if we
are to succead in the war of exhaustion by which are to succeed in the war of exhaustion by which
we appear to be confronted. The farmer will we appear to be confronted. The farmer farm, the mechanic will have to serve his on country in the factory, and all the forces of transportation and
distribution must be drilled to a wartime footing distribution must be drilled to a wartime footing
of efficiency. If things work out in this way, of efficiency. If things work out in this way,
when peace is finally declared it wili be found
that we have society organized beyond the dreams that we have society organized beyond the dreams
of any socialist or Utopian philosopher. Every of any socialist or Utopian philosopher. Every
man will be working for the good of all, and man wiit be working for the good of all, and
serving in the capacity for which he is best fit-
ted. Capitalism will have given way to State ownership, and the grafters and plunderers will all have lost their occupation. But, of course,
this too is only a dream that ats in with this morning's news. To-morrow may show the gigantic struggle in a new light, and
have to prepare a new set of opinions.

The progress of the war is constantly developing new possibilities. Militarism is adapting to suits of economic thought. It would but the rethe telephone, wireless telegraph, automobile, the aeroplane, and all the recent triumphs of scienco
were especially prepared for this horrible war And now that the terrible drain on the human regarded as warfare is being felt, ideas that were sideration are being taken over by miiitarism and put into force. The railroads and steamship lines have been taken over by the State in vari-
ous countries, and there are indications that practically all the great industrial enterprises will come under State control during the continuance
of the war. On top of this comes the suggestion that the whole social organization must be overhauled so that each man may serve the State according to his capacity. Even though a man is a. skilled mechanic or scientist or worker in other soecial fields he may be ordered home to
serve his country in the capacity in which he

To Plow at O.A.C.
With York County farmers who went to the day last week were the officers and representatives of the Ontario Plowmens' Assoclation. While at
the Coliege a meeting of this executive decided to hold the annual Provincial. plowing match on
the Ontario Agricultural College farm the first hold the annual Provincial plowing match on
the Ontario Agricultural College farm the first
weed in November. The city of Guelph will conweek in November. The city of Gualph will con-
tribute $\$ 500$ toward the prize money, and some provision is to be made for paying a part of the
expenses of the winners of local matches expenses of the winners of local matches
throughout the province who may enter the provincial event. A banquet will be held at the
College after the match is over, and at which the prizes will be donated.
The Hon. Martin Burrell is establishing two Island for special investigation work' on potato and other plant diseases. G. O. Cunningham, a former O. A. C. student and later at the Vermont
Agricultural Station, will be in charge in New Agricuswick; and Paul Murphy, a graduate of the Brunswick; and Paul Murphy, a graduate of the
Roval College of Science at Dublin University,

Toronto, Montreal, Buffalo, and Other Leading Markets.


 shipped to New York. These cattlo were
ted by Dunn Bros., The Harris Abattoir Company, Lunness Rogers \& Halligan,
and were as fine a lot as was ever shipen from the various distilleries repp
resentetd
 of choice quality for shipment to France.
A few lots of heavy steers sold at $\$ 8 .+0$, and one or two lots at $\$ 8.50$, but the
bulk bulk of the choice heary cattle sold at at
$\$ 8.25$ to $\$ 8.35$. The demand for stoceh
 orders being filled for some of the Statae
not under quarantine
demere was a fail demand for choice milkers and springers,
but other grades
were values given. Dealiveries of veal calves
were limited, which caused values to be wery frm for all of cuosd quality. Shee
very and lambs of good quality wer
not plentiful, especially lambs, and price
 advanced, sime cent per ib. The hot
ing up to
market was a shade market was a shande easier on account
of liberal receipts from the Northwe but prices on the Toronto market are
full $\$ 2$ per cwt. higher than at the
fued leading American markets.
Butchers' Cattle,-Choice heavy steers,
$\$ 8.25$ to $88.50 ;$ choice butchers ${ }^{\text {s. }}$ stens




| Stockers and Feeders - -Good to choic |
| :--- |
| steers 800 to $900 ~ 1 b s . ~$ |
| 125 |

 and
500
Milkers
to
and Milkers and Springers-Chice fresh
milikers and forward springers sold a
zit $\$ 70$ to $\$ 90$ each; medium to $\left.\begin{array}{l}\text { good at } \\ \$ 60 \text { to } \\ \$ 70 ; \text { common at } \\ \$ 45 \\ \text { to } \\ \$ 55\end{array}\right)$ each and slow sales.
Veal Calves-Chice veal calves sold $\$ 9$ to $\$ 10.50 ;$
medium, $\$ 7$ to $87.75 ;$ common, $\$ \$ 7.7$

 Hogs, -Selects, weighed of cars, sold
from
$\$ 9.60$ to
$\$ 9.65$.
$\$ 9.70$, the bulk going a Not many horses were bought during
the past week on account of there being Cow or no boats to bo obtained thr Shipping them to the seat of war. Thare
are about 5,000 horses at the Union
Stock. Stock-yards awaiting boats to take them
hway. These were
tought across
the
 per day on an average, for the Canadian
Reinount Commission, at the City catte
Tards. Yards. Mr. Graham, reported prices paid
as being about the se ns for last week, which was $\$ 175$ to 8200 for can
ulry purposes, and $\$ 190$ to $\$ 200$ rtillery. BREADSTUFFS Wheat.-Ontario, No. 2 winter, $\$ 1.1$
o $\$ 1.17$ outside; Manitoba, No.
 $\$ 1.21 .1$ to $\$ 1.214$, track, bay points.
Oats. $O$ Ontario, No. 2 white
55c. 56c., outside, No. 3, 54 c . to 55 c ., o:.
side. Manitoba oats, No. 2, 59c.,
60 c .; No. 3, 58 c . to 59 c ., lake ports, Corn.--smerican, No. 2 yellow, 80 c. 80 Ic., track, Toronto; Canadian, No.
yellow, 78 c., track, Toronto. Rye.-Outside, No. 2, 81.05 to $\$ 1.1 \mathrm{n}$.
Barley.-For malting, 70 cc . to 73 c ., out side; feed barley, 65 c ., outside.
side.
Rolled Oats.-Ter bag of 90 lbs ., $\$ 3.40$
Fionr
Flour-Manitoba flour-Prices at To
forto were: First patents, $\$ 7.20$; sec
ond patents, $\$ 6.70$; in cotton, 10 c . morr
strong bakers', $\$ 6.50$; Ontario, $90-$ - er
cent. winter - wheat patents, $\$ 5$, sen
board, or Toronto freights, in bags.
Hay hay and millfeed.
Ko. 1 , $\$ 16$ to $\$ 17.50$, track, Toronto
$\$ 15.50$, track, Toronto. $2, \$ 14$ to
Bran.-Manitoba, \$26, track, Toronto
orts, $\$ 28$.
Straw.--Baled, car lots, track, Toronto.

COUNTRY PRODUCE
Butter.--Butter remained nearly sta-
tionary on the wholesales during the puat Butter.-Butter remained nearly sta-
tionary on the wholesales during the pust week, creamery pound squares selling at
27c. to 29 c . per lb.; creamery solids at
26c. 26c. to 28 c . per lb., and dairy butter at
22 c . to 25 c . per 1 b . Eggs.-New-laid eggs were slightly
easier, selling at 22 c . to 28 c . per dozen. Cheese.-New, large, 17 c .; twins, 17 t c .
Honey.-Extracted, 12 c .; comb, $\$ 2.50$ to $\$ 3$ per dozen sections.
Beans. - Hand-picked d-picked, per bushel, $\$ 3.40$; Potatoes.-Ontario potatoes are slighty drmer, selling at 45 c . per bag. car
lots, track, Toronto, and Now Bruns wicks at 48 zc . to 50 c . per bag, track, Toronto.
Foultry.-Turkeys, per lb., 17 c. ; spring ducks, 22 c . to 25 c . per 1b.; spring chick-
ens, 80 cc . per 1b.; hens, 12 cc per 1 b .;
squabs, per dozen, 10 ounces, $\$ 3.60$ squabs,
(dressed)
hides and skins
City hides, flat 14c.; country hides, cured. 18c. to 14c.; country hides, Dart
cured. 12c. to 18..; country hides, green,
 to $\$ 2$ horse hair, per lb., 38 c . to ${ }^{40 \mathrm{c} \text {.; }}$
horse hides, No. 1, $\$ 8.50$ to $\$ 4.50$;
 unwashed, coarse, 25 c ., wool, unwasherd,
fine, 27c.; wool, washed, coarse, $: 52 \mathrm{c}$, ,
wool, washed, fine, 37 c .; rejections and otts. 25 c .
FRUITS AND vECET
Canadian strawberries, gooseberries and cherries are gradually increasing in qual-
ity, and are now selling as follows: Strawberries, 11c. to 14 c . per hox; ooseberries, $\$ 1$ to $\$ 1.50$ per $11-$ quar
basket, and cherries at $\$ 1.25$ to $\$ 2$ ier 1-quart basket.
New beets (Canadian) are coming in New beets (Canadian) are coming in
freely, and on Thursday declined heavily
in price selling in price, selling
dozen bunches. The new carrots (Canadian) are almost unsalable on account of their small size.
Canadian cabbage (new) sold at $81 . \pi 5$ Canadian cabbage (new) sold at $\$ 1.25$
per bushel hamper. Apples.-American, $\$ 3$ per box; cantn-
oupes, $\$ 4.50$ to $\$ 5$ per case; grape-fruit

## THE ROYAL BANK OF CANADA

## Coptel Authorized - - $\$ 25,000,000$

Copteal Paid up
Roeerve Funds
$11,500,000$
$13,000,000$
HEAD OFFICE, MONTREAL Branches throughout every Province

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Accounts of Farmers
Invited
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Sale Notes Collected
Savings Department at all Branches
new Verdilli, $\$ 4$ to $\$ 4.50$ per fornia, $\$ 3.25$ to $\$ 8.50$ per case; oranges, $\$ 3.75$ to $\$ 4.25$ per case; pino-apples, Ouban, $\$ 2.50$ to $\$ 2.85$ per case; strawAmerican, 12 ju. to 14 c . per box; asparagus, 75 c . to ${ }^{-} \$ 1.25$ per 11 -quart basket;
beans, green and wax, $\$ 1.75$ to $\$ 2$ por beans, green and wax, $\$ 1.75$ to $\$ 2$ por
hamper; beets, 20 c . to 80 c . bunches; cabbage, new, imported, $\$ 1.50$ per case; Canadian, \$1 to \$1.25 per
bushel hamper; cucumbers, Canadian hotbushel hamper; cucumbers, Canadian hort-
house, $\$ 1$ to $\$ 1.25$ per 11-quart basket. imported, $\$ 1.50$ to $\$ 1.75$ per hamper; onions, Texas Bermudas, $\$ 1.50$ per 50 1b. case; lettuce, leaf, 20c. to 30c. per doeen; potatoes,
per berrmudas (nel, $\$ 2.75$ per bushel; Louisiana
$\$ 7.25$ $\$ 4$ per barrel, $\$ 2$ per bushel; tomatoes, Mississippi and Texas, $\$ 1.25$ to $\$ 1.35$

## Montreal.

Trade in cattle is generally slow at
this time of year, and this year is no this time of year, and this year is no
exception. Warm, wet weather, such as that now prevailing, is not conducive to activity in the market. No changes of
fmportance have taken place in price. importance have taken place in price.
Good steers sold as high as 8 tc $\mathbf{8} \mathbf{\ddagger c}$. per lb ., medium, 7 tc . to 8 c . - whil lower grades ranged down to bc. per
to. Butchers' cows and bulls ranged Ib. Butchers' cows and bulls ranged

- generally from around 4c. to bac. per
mater -generally from around 4c. to 6 gic. per
no.: according to quality. SSeep were
in very good
 per 1b., and yearling lambs sold freely at 7c. to 7 fic. Spring lambs were in
larger supply, and prices ranged from
$\$ 5.50$ to $\$ 6$ each; $\begin{aligned} & \text { Calves were }\end{aligned}$ $\$ 5.50$ to $\$ 6$ each. Calves were plentiful, and prices ranged from $\$ 1.50$ to $\$ 4$
for ordinary stock and for ordinary stock, and up to $\$ 10$ each
for the best. $\quad$ The market for hogs was easier in sympathy with Western markets and prices were slightly lower.
Sales of selected hogs were made at 9tc. Sales of selected hogs were made at 9 tc.
to 9 č., while mixed lots of hervier stock were sold at 8 zic. to 9 c . per lb . weighed off cars.
Horses. - Prices of horses were un-
changed, as follows horses, weighing from 1.500 to draft 1bs.. $\$ 250$ to $\$ 300$ each; light dratt.
weighing from 1,400 to 1,500 tbs., $\$ 175$ weighing from 1,400 to 1,500 tbs., $\$ 175$
to $\$ 22 \mathrm{e}$ each; small horses, $\$ 175$ to $\$ 200 ;$ culls, $\$ 50$ to $\$ 100$ each, and fancy
saddle and carriage animals, $\$ 300$ t \$400 each. Dressed Hozs.-Owing to declines which Dressed Hoys.-Owing to declines which
took place in the market for live hogs,
dressed. stock also come down in a small fraction. Last week purchases
were made at 13 c. to $13 \$ \mathrm{c}$. per 1 h . for abattoir-dressed, selected Ontario hogs,
and at 13 anc. to $13 \frac{3}{2} c$. for Manitob, Potatoes.-This has been a remarkable
year for potatoes year for potatoes, prices having generale-
ly beem less than half the usual figure.
Thus late in the still being made at 42 purchases for 90 were
car lots, track. Green Mountains, with jobbing prices 10 c . to 15 c . above thes
figures Honey and Syrup.-Maple syrup was
steady at 65 c . to 70 c . for 8 -1b. tins, and was 9 c . to 10 c . per tb . White clove
comb honey was 1141 c . to extracted, 11 c . to 12 c .; dark and strain-
ed. 8 cc . to 9 c . per t .
Eggs. - Demand, both for domestic and Eggs.- Demand, both for domestic and
export trade continued good, and re-
ceipts kept up well. Prices were firm.
large, but consumption is keeping up
well. The quality was excellent and
well.
prices
The quality was excellent and
were
prices were steary. Finest. creamer,
was quoted at 27 c c. to 28 c . per mb.
was quoted at 27 lic c . to 28 c . per Ib.
while, fine creamery was 27 c . to 27 f .
Cheose. Prices, to $26 \frac{1}{4} \mathrm{c}$.
clined a considerable fraction during the
clined a considerable fraction during the
week.
Quotations were from $16 \ddagger \mathrm{c}$. to

white at 16 g. Finest eastern was
$15 \ddagger \mathrm{c}$. to 15 c c., for white or colored.
with undergrades at fic. less.
$\underset{\text { Grain.-The wheat market continued }}{\text { weak and }}$ local oats were lower with
weak and local oats were lower with
Western rather higher.
Western rather higher. Local No.
white oats sold at 59c.; No. 3 were 58 c .
per bushel, and No. 4, were 57 c ., ex-
store. The Canadian Western wer
s9re
store. The Canadian Western were
594 c . for No. 8 and extra No. 1 feed.
No. 1 feed were 58 tc., and No. 2 teed
No. 1 feed were $58 \frac{1}{2}$ c., and No. 2 feed
were 57 Tic. Beans were steady at $\$ 3.25$

$\$ 2.75$ in car lots
Flour.-The flour market was steady
so far as Manitoba patents were con-
cerrad. but Ontario was much lower
than the
than the previous week. Quota-
tions were $\$ 7.30$ per bushel for Mani-
tobae
toba first patents; $\$ 6.80$ for seconds, and
$\$ 6.60$ for strong bakers
$\$ 6.60$ for strong bakers in bags. On
tario patents were 86.80 , and straight
tario patants were $\$ 6.80$, and straight
rollers were $\$ 6.40$ to $\$ 6.50$ per barrel
roors were the $\$ 6$ atter at $\$ 3.05$ per bag.
wood
- Millieed.-Bran was $\$ 26$ per ton in
bags; shorts, $\$ 28$; middlings, $\$ 33$ to
$\$ 34$ per ton; mouille higher at $\$ 38 \mathrm{t}$ to
$\$ 40$ for pure, and $\$ 36$ to $\$ 37$ for mixed.
bags included.
Hay,-No. 1 pressed hay, Montreal, ex-
track, was $\$ 21$ to $\$ 21.50$ per ton; No.
2 extra, was $\$ 20$ to $\$ 20.50$.
2 extra, was $\$ 20$ to $\$ 20.50$; and No. 2 ,
$\$ 19$ to $\$ 19.50$.
Hides.-Prices were up 1c. per th. Last
week, on hides and calf skins. Beef hides
week, on hides and calf skins. Beef hides
were at 18c., 19c. and 20c. for Nos. 3,
2 were 1 at respectively, and call skins were
19c. per th. Lamb skins were 35c.
each. Horse hides, $\$ 1.50$ for No. 2 to
$\$ 2.50$ each for No. 1. Tallow was 60
$\$ 2.50$ each for No. 1. Tallow was 6 c .
per tb . for refined, and $2 \ddagger \mathrm{c}$. for crude.
Seeds.-Prices were $\$ 8.50$ to $\$ 12$ for
timothy per 100 tbs., and $\$ 17$ to sen
per bushel of 60 ms ., for red clover and
for

Buffalo.
Cattle.-Receipts were liberal here lust the offerings running to proportion of values were declined grassy grades, prime shipping steers bringing about steady prices, as compared with the pro
vious week. About fifty ping cattle were fifered loads of shipall cleaned up at the close of the day's $\left.\begin{array}{l}\text { business } \\ \text { from } \$ 9 \text { to } \$ 9.25,\end{array} \begin{array}{l}\text { Monday, } \\ \text { best steers running } \\ \text { Best }\end{array}\right)$ Canadian sten sold up to $\$ 8.75$, there being several loads of Canadian steers offered. and quite a lot of butchering stuff from
Dominion. ITeavy fat Canadian heil ranged from $\$ 7.80$ to $\$ 8.25$. On a cla




| Iff looked from 25 c . to 40 c |  |  |  |
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| llar difference between the st d and prassy krades. This |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | and erassy krades. This |  |  |  |  |  |  |  |  |  |  |  |  |  |
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minion last week, and it is underston
here that possibly somee of these ma
find their way to the Allies. Quite find their way to the Allies. Quite
lot of American frozen beef has been co tracted for by British representatives ${ }^{\text {Sc }}$ the armies. This outlet will no doub Very few-in fact none here-are expecting any lower prices on strictly grain-
finished cattle. They do look for
gre values on cattle. They do look for lower killing percentages and hang up dark and prove poor competition, as again ${ }^{\text {at }}$
the dry-fed, white beef. Buffalo has l,ee
recervin receiving shipping steers in liberal num
bers right along, but a let-up is fors right now on, as the supply appear
for from nety well
prett prety well exhausted. General belief is
that higher values may be expected
the the strictly prime shipping steers withi the next. few weeks. Receipts last weel
were 5,175 head. the previous week, and 5,065 for the
corresponding Shipping Steers.-Choice to prime to $\$ 9.25$; fair to good, $\$ 8.40$ to $\$ 8.55 .$,
plain, $\$ 7.50$ to $\$ 8.25$. Butchering steers.-Choice heavy, $\$ 8.51$ \$8.75; fair to good, $\$ 7.75$ to $\$ 8$; be:
handy, $\$ 8.40$ to $\$ 8.75$; common to,
$\$ 7.50$ to $\$ 7.75 ;$ yearlings, $\$ 8$ to $\$ 9$ Cows and Heifers.-Prime weighty heit ers, $\$ 7.75$ to $\$ 8.50$; best handy butche
heifers, $\$ 7.25$ to $\$ 7.65 ;$ common to goori,
$\$ 6.25$ to $\$ 6.75$; best. heavy $\$ 7.25$ to $\$ 7.50$; good butchering cows
$\$ 6$ to $\$ 6.50$ metium to good, $\$ 5.50$ to
$\$ 6 ;$ cutters, $\$ 4.50$ to $\$$. $\$ 6 ;$ cutters, $\$ 4.50$ to $\$ 5$; canners, fair to
best, $\$ 4$ to $\$ \$ .25$.
Bulls.- Rest heavy, $\$ 6.5$ Bulls.- - Best heavy, $\$ 6$.
butchering, $\$ 6.50$ to $\$ 7$
Above

\section*{$\xrightarrow{\text { Chas }}$ <br> | 81 |
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| neat |
| wed |}

Sheep and Lambs.-Supply last week was about the lightest in the history the yards, there being only 3,100 head, week before, and 5,400 head for the same week a year ago. Lamb values, barriug
the first two days, were given a hard the first two days, were given a hard
jolt the past week. On Monday and Tuessay top springers sold up to $\$ 12.50$ and yearlings brought up to $\$ 10.50$, an before the week was out buyers got top
spring lambs down to $\$ 10$ and $\$ 10.50$, pring lambs down to $\$ 10$ and $\$ 10.50$
and winter lambs on Friday could not be quoted above $\$ 8.50$. Friday's market on ambs being fully $\$ 2$ per cwt. lower than
Nonday. Sheep were tedy Vonday. Sheep were steady the fore values were a quarter lower. Friday top wether sheep were quoted from $\$ 6.25$
to $\$ 6.50$, and the spread on ewes was to $\$ 6.50$, and the spread on ewes was
from $\$ 4.50$ to $\$ 5.50$ as to weight,
heavy ewes being hard to place above
 Calves. - Market was slow last week.
Monday tops sold at $\$ 10$. ing brought above $\$ 9.75$; Wednesday and Thursday best lots moved at $\$ 9.50$ apd \$9.75, few reaching \$10, and Friday teneral market being $\$ 10$ and $\$ 10.25$ Heavy fat calves were discriminater against, and buyers got some weighing
little better than 200 pounds down 77.50. Cull inan were in good de mand, and sold mostly from $\$ 8.50$ down Recipts last week were 2,825 head, week the same week a year ago 3,150 head.

Cheese Markets.
$\qquad$





Chicago





Struggle.
 Then wiliters out again and sweeps. th $\underset{\substack { \text { Eech } \\ \begin{subarray}{c}{\text { sea- } \\ \text { gecond } \\ \text { new } \\ \text { grave. }{ \text { Eech } \\ \begin{subarray} { c } { \text { sea- } \\ \text { gecond } \\ \text { new } \\ \text { grave. } } }\end{subarray}}{ }$ new - bórn trom some

## If I Should Die.

The following poem, one of those yro-
duced oy the war, was written by tho
English poet,, Rupert Brooke, who en-
 listed and died recently of sunstroke in
the Dardanelles.
He was buried on the the Dardanelles. He was buried on the
island of Lemmos.
If I should die, think only this of me:
"I should die, think only this of me:
That there's some corner of a foreign That iied forever England. There shall be
In that rich earth a richer dust conIn that rich earth a richer dust condust whom England bore, shaped Gave, once, her flowers to love, her
ways to roam.
body of England's brenthing Washed by the rivers, blest by suns of home.
nd think, this heart, all evill shed away Gives somewhere back the thoughts Her sights and soundands; given;


| $\begin{array}{c}\text { In hearteness } \\ \text { Ints. } \\ \text { hearene. at peace, ưnder an English }\end{array}$ |
| :---: |

Browsings Among the Books. A BATTLEFIELD.
 able books yet called torth my treme thark-
It is a our story based on the Russian
 Merrespondent." "Saterred to is anc,", American war Panies himint. "Sto "Samarc," who accion-
Who, while in charge is a Russian,
 now shot off, and gaos into tort of his tray
now, alt bandaged as he is, in the hope Imeting death. The "Si: enski", re-
terred to as having been killed, was a
 tho closo is the daughter of a revolu-
tionist.
Peter Mowbray is in in love with
 'eter had pitied the infantry formerly
from a hill, having stood with a pattery as it sprayed the Austrian likus.
tIo had watconed the Austrian machinos Pouring stee upon the Russians also.
Therese had been emotion; he had felt the shame of it powerfully on this very
torning, but now he reflected, with a
tonk , been adequate. At the present juncture
ho belonged to the sacrifce. The provess Was reversed; the globe of his experience
shortly to be made complete. He would Shortly to be made complete. He woild
have the effects of light and darkness rreyed evanage of the preying and the Detter had never been actually down
ainteng men before. He had watched men, studied theme sincerely, passed them lens. At the same time, his personal
Impetus had always been away from
mon thin
 obey. Only by falling could he be tree to the white fire of a group of men like
trom the from this extraordinary, authority of the Spenski, Abel, Fallows, Poltneck, per-
ormy. Moreover, he felt that the thotive Shat army, Moreover. he felt that the motive
energizing this authority was not of the human but of the tiger. He might have thought of all this be-
tore, as he had thought of death lore, as he had thought of death as one
thing for the outsider and a difforent
 so well.
conjecture. . But this was axperience, nout
He conjecture. He was an atom of the
charge. The army authority disruptel his moral sense It buount and gatyed
him. No timapination could have . structed ho imapination could have and and creative force as this adventure, in which he was caught
up tike a chipp and carried forward in in rush of animal power. Fear had ho ho
part in his revuleform part in his revulsion, but the break of
his will. on each other; that the rankers leanod in the peasant thaces about him na aingle Separate individual relation to the im-
pending 'peril.
These seon others fall These men might have the hundreds, but
then the then fatith was in the command, their
law its law. Peter saw that they Taw its law. Peter saw that they were
in a. esne like men parading through
city in a sense , like men parading through
city streets, who endure the eyes of the crowds because they are part of a line.
It was the eternal illusion of number It was the eternal illusion of numbers
again-the elbow brush, the heat again-the elbow brush, the heat. the
breath, the mutering of men-this atmosphere
mot mutering of men-this at-
breathed.
stand the miltery breathed. Standing alone, most of them
would have fallen from fear He smellod the unwashed crowd. Under all the bronze that life in the open had
given the command was the Jardy look of earth-born men, close-to-the-raund men; these were the enorese that put ond
pounds and size, the rudiment of a miud the momentary, the rudiment of a miudic
in moments such ition of soul perhaps in momenta such as now-and parsh to
the earth asain Yet


Wounded Canadian Soldiers in England.
Europe was to be written upon a sur- held them with inflernal leifure as ond face like this, this, the soil of the future. holds the stream from a garden hose to
It was close to chaos, but as yet ande
a spot of clay clinging to masonry. lied by man, This was the newst in all
product of earth, the new terrific fecund- gale, with every answering sound, The
 as yet unfathered, strong as yet only as nor wounds that mattered-but the hurt bulls are strong, gregarians, almost ling concussions in the air, the plague sion, hope, genius, not individual pas-, It stopped. Peterr lay exhausted an
bout in the solution no


haps-but to give himself tolt theck, per-
They were stretching ont this. They were stretching out now as skir-
mishers, the crush ended. mishers, the crush ended. Enitire igures
of men could be seen, instead of necks beards, and shoulders. Samare gripped.
his arm, the other hand paint his arm, the other hand pointing to a
ittle rea-haired boy who ran, crouchod. sped on again, halted to look, in the ruu squirrel fashion of advanoe, which is the approved procedure of skirmishers.
$\mathrm{Ho}_{0}$ talleed to himself, appeared lost in absorption, reminded one continually ot Spenski when his tace was averted-and was just one of miles of intantry.
Their faces looked cold now the gray tone so often observed. The Every line of fear that the them out can express Peter saw the human mouth of the Austrian pieces. It was not as they had heard it in the heights, but like an
encore at first-as mass of men in as meden tarted a buffeting of feet. The valley numed the volleys; the actual steel was torrent: indeed it neared like a rain lines before they heard the murderoue autting of the aif. The Austrian gunfraction of point enflading, so that orce and a wide swath in the mpaling Peter saw the little red head cocked uusts of steel. to listen to the nearing Now men were down and crying Jut. ment concentrating its volley upon reg whipped, wild with throbbing misailos Supernatural fear was the answer from (in very souls of men. Theif prayer
(inte. Mowbray's conception)
int in Mowbray's conception) was no thar tor
ite, but for cessation. Yet the minchines Samaro was cras, Reahead had fallen, knees. Peter writhed forward, too, but disisiling the movement leat it bring the
guns upon them again guns. upon them again. Ho forgot that
Redhead was muttering about , storm."
There were others boy hit Poter called. of tallen, but they about-a whole line his cheek to the dirt, his mouth moving queerly. He was young, seventeen or
eighteen, clayey hue upon him Huered, the gray, clayey bue upon him, but not at all un-
couth.
Samare telt
his him. The wound was in his body. Just now Redhead saw the offgy that was
Samarc. He had been watching poter Somare.
His mouth opened, eyes sseemed to setthe back into a red gleam of horror, his
tace swung around into would have given his arm to Poter Samarc that. No sound from under the cloth-only $a$ breath. Samaro shoul
dered him, raised dered him,
den. There are pressures of will. One turne on a certain force to meot an obstacle, sources of power, but one brushes othen to summon them. Far ahead they saw tho remnant making cover. Now petor
noted that ther noted that there was human need at
every
step.
They squirmed their focess up to him and im . plored. The fow were still: the many He had never lutted a man, emall ono. prised when one came up and rolled as it by magic across his back. It was so sasy that he wanted to take othera.
"I will come back,", ho called to

> aces. meant to oome back as he sal He wanted to bring them al He wanted to bring them all ing ti. Ho because he had seen Samarc and Spenaki, at the same work, and heilknew that the would have halped the little day. Ho had he been there. A moiufik arose troun his knees in front of them, as 'they stagsered on the was stunned, bewildered,
blinded but hilnded, but he could hear.
"Come on - we're
golng

The other held out his hand gropingly,
Peter phaced the and the moujik stumblingly followed Another soldier on his knees barred the
"We're going back,", Peter said. "Coovie The soldier seet out eagerly to obey as if it had been a great boon to follow,
with this wight his own strength. It was the
migisode of the day to Peter Mightiest episode of the day to Poter
"My God, how they obey men 1 " he said, with awe ". "hiey
COULD be led right-peasants who wey There was singing all about him-no of bullets, thiough this, 1 Ittle mouremen range fire from some intrencerment ong parently it was not enough to start a machine)-a low sing ing as oo wells of
sladness reaching the surtace. gladness reaching the surface. Peter
was torn with the agony of the field, yet thrilling with happiness,-as if there, was liberation somewhere within. He turnod ""We're to bed. Come on wo youre doing The back bobbed to greater effort. Redhead left his trail of blood and mur a long range for the rifies, and seemed ess as sandfies after
of the Russian works ahead-five of
them, alone, for, queerly enough, they were as one.
And now from ahead, from the concealed Russian lines, arose a roar such as Peter had nover known. It struck oyes with tears, though he did not understand. He thought that the end of the war must have come-so glad and so mighty was that shouting.
Now a fragment of the line ran forth to bring the little party in, not minding to bring the little party in, not minding
Peter's gestures in the least; for he waved them back, lest they start the machines again. © It appeared that his little group of maimed and blind of the command-even the Red one. . They had laid their burdens down; an incoherent Boylan took Peter, leading the way back to the staff. Kohlvihr and Dabnitz stnod there, the old m
repeating:
"Get the Dabnitz plucked the sleeve of Samarc "Hoat. aid a second time, "but what's the "Heme and the division? "I'll get his name later. 'He's been wounded in the mouth.'
Curiously enough' in this turmoil it appeared for the first time why Samarc why he had not been impressed for service by one of the batteries. It was the steward's blouse that Abel had given Things were darkening about him. He Things were darkening about him. He ust out of view. . . . She had been just
near.
"Pet
"Peter-are
lan's voice.
"No, just
"No, just bushed.
Now he heard Kohlvihr say: "Anycivilian, you can, Mr. Mowbray. As civinan, you are, of course, exempt trom specific honors, but as soon as I
learn your companion's name I shall suggest that he be honored by the Little
"Why, you've put the whole line back into fighting trim !" Boylan whispered.

## An Inexpensive and Picturesque Arbor

The attractive arbor shown in the pic-
ture accompanying is so simple and easy construct that it should appeal $t$ heir premises beautiful as well as profit able.
The arbor consists of four octagona cinder-concrete columns surmounted by Fletcher Street, Philas built by M tect, at his suburban home in Beverly, New Jersey.
To construct the columns required cubic yards of cinders and 3 barrels of cement. The work was done by one ever, is too lean and unsafe for the unskilled worker to use, and the proper proportions of cement, sand and stone are given below.
The arbor is $8 \times 12$ feet. The column 18 inches at the top. tion of concrete 2 feet 6 inches each way-in other words, a concrete cube o that dimension. A square form boards was erected and corner pieces i
serted to form the actagon serted to form the octagon. It was in
tended to give the columns a finishing coat of plaster, but they looked so well in their applied.
Simple designs of this type compar favorably with the most costly and
ornate conceptions, and are made at greatly reduced cost. Had the columns shown been elaborate in design and surmounted with dressed timbers it is questionable whether the arbor could
have been built for less have been built for less than $\$ 100$. would prefer the more rude and simple patterns. These columns take their
place in the landscape with the unobplace in the landscape with the unob-
trusiveness of a tree, while their rough surface is better adapted to the growing surface is better adapted to the growing
of vines than columns possessing a mooth surface. In fact, the columns

Two types of forms for constructing Report from the Canadian The form at the Aeft is the line drawing. mical where it is the purio more economany times, but for a single operation such as the arbor described, the form a the right with braces nailed instead of being fitted with bolts would be more economical.
The concrete could be mixed in the parts sand and 4. parts stone or screened

Picturesque Concrete Arbor at Beverly, N. J.
gravel, as cinders are not always avail- has undertaken to provide supplies able on the farm. It is important to the Canadian hospital at Shorncliffe, ashes, so it would be better to use the


Construction Details of Form for Casting Concrete Columns.

A Strong Character.
Aloser

$$
\begin{aligned}
& \text { teach ourselves after leaving school. Bat } \\
& \text { the discipline of school is invaluable in } \\
& \text { teaching }
\end{aligned}
$$ the discipline of school is invaluable in

teaching the important lesson of selfcontrol. Self-denial and self-control are Many people still do not understand
 world easily will never take it grandly.
To lie in the first to C. W. C. A. A., and is always To lie in the lap of luxury may be the constant renewal of supplies. Very often
highest enjorment of which a feeble chac- people sar, on. acter is capable; hut a strong man must C. A. only cared for the men at the
have something ditlicult to do. Moreover, the happiness of the human race l'erhaps we any quote from the origit
does not consist in our being devoid of nal does not consist in our being devoid of
Passions, but in our learning to control
them-1 War Contingent Association, London Branch.
$\qquad$ ion, as will be remembered, has adopted the especial work of seeing to the contlort of the soldiers in the trenches-so
far as any comfort can be had there, It also, as pointed out by Lady Beck in her address, which was printed last weok.

has undertaken to provide supplies for
the Canadian hospital at Shorncliffe.
All "Dollar Chain" contributions for All "Dollar Chain" contributions for
soldiers' comforts are passed on through
this London branch this London Branch of the Association, a
Month by month the shipments of the have been growing larger and larger running a sad race with the casualty
lists. Since February the Red Cross lists. Since February the Red Cross
shipments have doubled in size, and beshipment for May, showing that it too is keeping well "up to strength':
Shipped May 28 th. - Socks, 678 pairs Shipped May 28th.-Socks, 678 paias;
sheets. 372 ; day shirts, 188; hospital shirts, 54; towels, 510 ; pillowcases, 300 ;
pyjamas, 30 suits; underwear, 21 sets; pyjamas, 30 suits; underwear, 21 sets;
cholera belts, $96 ;$ handkerchiefs, 594 ; hospital socks, $54 ;$ dressing gowns, 18; Nightingales, $1 ;$ slippers, ${ }^{2}$ pairs; tea
cosies, 4; pneumonia jackets, 13; paracosies, 4; pneumonia jackets, 13; opera-
tion socks, 9; knee-caps, 21 pairs; ban-
dages, 37 dozen. dages, 37 dozen; old sheets, 2 boxes, $\$ 1,144.29$.
From the Trench Fund were shipped :From the Trench Fund were shipped :-
Two boxes soldiers' comforts, including soap, tobacco, pencils, tooth-powders, in private parcels, $\$ 200$ cash.
If-
Nany people still do not understand is becoming so Well known, was spon-
s. sored by the C. W. C. A., and is always
y. the first to be stocked by them with a nal "Tlieds ohjects of thast December:
To Association are :

6ifty beds (with power to increase) for the use of His Majesty's Forces.
By
special permission, to be known as The special permission, to be k
Queen's Canadian Hospital.
To generally promote the welfare of the Canadian Contingent, and to assist in valescent.
To supply certain kinds of clothing and omforts, required by the troops on active service, and in convalescent and
other hospitals. To engage in
ther useful wor any general relief, or To work in close co-operation with the Imperial and Canadian authorities, and witk the Red Cross Society, and with the Order of St. John of Jerusalem."
Now the hospital has been increased 125 beds, and possibly may have to be enlarged again before long.
So, while the helmets
So, while the helmets, mufflers, and wristlets (upon which work will probably begin again in August) are noticeable b with extras for the hospital at Shorncliffe.
When one reads the May list carefully and remembers that no sewing for th at Hyman Hall, where the business end of the C. W. C. A. is carried on, one realizes what an enormous amount of
work is being done for the Association work is being done for the Association through town and country. Two thou-
sand five hundred and eighty-four articles were made this month, exclusive of the knitted goods.
So we hope and expect to have the
work quietly carried on work quietly carried on all summer, and hope to show even a larger increase
tangible effects.
For we are not nearly satisfied yet!
The greatest need is still ahead of The greatest need is still ahead of
and we want many more things. and we want many more thing
Money first ! Money fir
There is
There is the never-ceasing need for socks and bedsocks !
By the dozen! By the hundred ! By the thousand ! And to make up the thousands there must be all those single pairs.
The While wool for each pair costs 50 cents ing in socks persons are constantly sendthere are a great many expert knitters who cannot afford to buy all the wool that they could make up. cannot knit, must be many people wh cannot knit, but who would be glad to
provide a pair of socks every month? is we had sufficient capital we could give out $\$ 200$ worth of wool each month.
Enough to make 400 pairs. Ill or well Enough to make 400 pairs. $\begin{aligned} & \text { Ill or well, } \\ & \text { everybody's needing them. }\end{aligned}$ our committee hopes that there will be 200 volunteers ready to provide socks in this wav Reversing the usual order, and going from feet to head, we would remind our
friends that jams, jellies, and sweets, will be received with thanks, in season and out of season, and as fast as a barrel full is obtained, it will be packed and sent forward to Shorncliffe.
And for those same wounded soldier
we want invalid chairs-a dozen of theu -to be shipped as soon as possible. The C. W. C. A. have pledged themselves to send that number. If those who wouid like to help would send money, in large
or small sums, the chairs could be ordered and shipped direct from the fac tory, and thus save time, trouble, and
A less known department of the C. W. C. A. is the "Trench Fund," under the
able management of Mrs. Gates, in whose absence it is in charge of Mrs. Marshall Graydon. This fund is confined to send ing special personal comforts to the soldiers in the trenches-chocolates, tobacio rigarettes, etc. Through a special ar England, every 25 cents buys as much tobacco as can be bought here (under the most advantageous terms) for
cents.
(Tobacco, it seems, is absolutely necessary in the trenches to neutralize the dreadful odors.-Ed.)
The officers of this fund are sendius $\$ 200$ a month for this purpose, as well as boxes of comforts, packed here. apply to the C. W. C. A. in London, Enyland, for all the extras they want over and above the Government supplies are forwarded promptly. One month,
the biggest. request may be for smokes, the biggest request may be for smokes, another month for foot powder (and
other varieties), next month, sweets maj have the preference. So the cash from
our Branch does not go for any special


The 2nd Sportsman's Battalion Going to Camp at Romford, Essex, England.
article, but the Central Committee may article, but the Central Committe
ase it for the need of the moment. And the needs are increasing. We
want big subscriptions; and we want lots of little ones, too
Even enough to buy a single individual which the soldier may a guest towel, which the soldier may tuck inside his chiel-to wipe hands and face on, when he has a chance to wash them; perhaps even sometimes when he hasn't!
Now : What about Subscriptions? Now ! What
And Donations?
All speak at once. We don't mind : MRS. BOWKER, Secretary,
[Money may be sent for any of the
bove purposes through the "I Dollar above purposes through the "D Dollar
Chain" of "The Farmer's Advocate and Chain" of "The Farmer'
Home Magazine."-Ed.]

## German Philosophy Self-

 contradictory.Might is Right," the paramount maxim of German philosophy and the not merely false in fact and principle, but self-contradictory. Based ostensibly but self-contradictory. Based ostensibly
on the principle of the survivival of the "fittest," it yet sacrifices the "fittest" in test," it yet sacrifices the "fittest"
in its military propaganda. The best
go to war; the best are slain. Blowing men, women and children to pieces ait shot and shell is not the way to rer-
petuate either the "fit", or the "unlit." petuate either the "fit" or the "unlit.
War imperils all, and destroys many o
the brayest the bravest and the best, leaving the this is evolution, it is evolution back ward. Carry their principle into all th
affairs and relations of life, and the afrairs and relations of life, and the
earth would speedily return to chans earth would speedily return to chans.
Let all differences be decided by physical
force, and what would happen force, and what would happen? There
would be disorder, riot, and carnage Would be disorder, riot, and carnage
everywhere. The community, the family would each be divided against itself; bu shalt not." What is criminal with th individual and the community is, by law and custom, made legitimate with the
nation. The killing of an individual is nation. The killing of an individual is
homicide or murder; the killing of the
million homicide or murder; the killing of thie
million is prowess and glory. Is this
sound logic or true philosophy ."Mi-chit sound logic or true philosophy? "Might
is Right," forsooth! What would be said of a mother killing her babe he
cause she possesses the " cause she possesses the "might" to "In
so-because she is the stronger? "In sufferable atrocity, preposterous :
exclaim. Yet more horrible is
slaughter of millions of men and women - helpless babes included. The truth is, might is NOT necessarily
and intrinsically right. The moral phas and intrinsically right. The moral phas
minst be considered. The equation "migit " right," or might equals right, must
", ethical, reasonable, and humane. Fent Co., Ont. W. J. W.

## Hope's Quiet Hour.

A Devout Soldier. There was a certain man in Cesaroa
called Cornelius, a centurion of the band called the Italian band, a devout man, and one that feared God with all his house, which gave much alms to the he called a devout soldier of them that waited on him continually.-Acts $x: 1$,

Giver of strength, $O$ bless and ald Thy servants 'gainst the foe arrayed: In battle's storm their shelter be The Spirit grant, of unity,
-Elizabeth Wordsworth, 1885.
I have no intention of talking about Cornelius to-day. My object in choosing
the above text is to show that even in the army of Rome "devout" solditers were to be found-soldiers whose Frayers and alms were accepted by God. The practical faith of Cornelius was rewardsid
by the gift of clearer light, he recelved
the Holy Ghost and
Name of the Lord
tew wee Lord. was baptized in the possession which was written about my 60 years ago-"Memorials of Captain Hedloy Vicars." It is the story of a devout soldier who was killed in the Crimean War, and a few extracts from its pages
may be of interest to :those of our rast ers who have dear friends at the front. The story of the boyhood of Hedley Vicars reveals him as lighthearted und mischievous, with no sign of devoutness
visible. Still he was always considerate and affectionate towards his mother nud sisters. "When the boy was twelve years old, his father's dying hand was
laid on his head, with the earnest prayer laid on his head, with the earnest prayer that he might be a good soldier of Josus
Christ, and so fight manfully urder His banner as to glority His Holy Name." That prophetic prayer was gloriously granted.
When the boy grew into a man and be-
came a soldier he came a soldier he was gay and reckless,
indulging in excesses which he bitterly indulging in excesses which he bitterly
lamented in later days. In 1854 he wrote: "You will be spared poignant remorse in after years by remembering
your Creator in the days of your I speak from heartfelt experience. would give worlds, if I had them, to undo what I have done.
The sudden death of a brother omper
joung solder of twenty-thrce, who wrote to his mother: "With God's help, ing from sudden death." In 1851 his regiment was ordered to Canada, and the Falls of Niagara filled him with "sublime and ewful joy." He expreesed his belief that "no one could bo an
atheist whilst beholding the majestio atheist whilst beholding the majestio
power of God as displayed in the atupendous magnificence of those Falls."
He was seeking God, and soon the foll
light came. One day he was waiting light came. One day he was waiting for the return of a brother officer to his
room, and idly turned the pares of a room, and idly turned the pages of a
Bible which lay on the table. The words caught his eye: "The blood of Jesus
con Christ His Son cleanseth us from all sin " That night he chose Christ as his Commander, and next day a large Bfble
was bought and placed "open" was bought and placed "open" on the
table in his room. "It was to acenk for me," he said, "before I was strong enough to speak for myself." of courss he met with ridicule and opposition; but they failed to frighten the devout sol-
dier, who began to teach in school, to visit the sick and to read and pray with other soldiers.
Here is an extract from a letter to his mother, written in Gibraltar: "I was myself, but in this I was disappolinted, having been doubled up with two cadets of the East India Company's Service. At first I was strongly inclined to avold make a mark of myself by knoeling down, or reading my Bible in thelr presenco. But God gave me grace to overcome this. Still it shows me what a coward stant, be tempted to hide my colors, and ashamed to confess Christ." The following is an ex
letter to a sister
"Be assured you in this world you will foel far happlor your chief business and atudy, religlon all the pleasures and gaitiea which you young heart may now probably be long ing after. I tell you oandidly and seri-
ously that $\frac{1}{\text { I }}$ would willingly part with ously that I would willingly part with hour's communion with Jesus every dev."
Soon we find the good solditer o choler in the midat of a plague of prived his regiment of more than a hundred of its finest men in a month. Hodley Vicars visited the hospitals regulurly, reading and praying with the slck and dying. He also read the funeral ter he says: "I had intended speaklag a few words to my men over the opon graves of their dead messmates; but it was as much as I could do to get began to speak to them afterwards, could not for the life of me help cryin like a child. The men cried and mobleer

German Prisoners Captured in Neuve Chapelle Being Brought into Aldershot, England


Underwood \& Underwood.

THE FARMER'S ADVOCATE.

## Fashion Dept.

and we.
Here is another extract from a lotter: Death is dreaded as a foartal thing to go through; but $I$ think, with Jesus very
noar me, $I$ could welome it to-morrow. noar prospect of meeting in a fow houirs that glorious Saviour, whose iove we
can never conoelve here in all its magnican nover conoelve here in all its magnitude, makes.
In the torrible wintor belore Sebastopol "the sellish. became more 'tenaciously
seilifh than betore, whilst those who mero appano of rising to the heights of seli-denial, Hived a ifire of dally heroism. last." Others have told hom ha alapt on a bed made of stones and loavos.
When it was possible to ercet a few tents he gave up his to the privates, aud continued to roughit it it the openen anit,
considering timself more hardy than considering hi
many of them.
From another letter-"This atterncon the oholerathospptal, who were lying c.ild and comfortless on the bare ground, rays
of sunshine seemed to fillumine that of sunshine semed to tilumine that
charnal tent as I brought the crucified Saviour before those men, for tears g111-
tened in many an eye, and the smile of
 It is sweet to be the bearer to them to meo eome of thom gently fal ing asloep
murmuring the murruring the lite-restoring Name o not find words to tell the dellght of hope which has filled my breast." "We are expeoting every day to meet the
enemy in open field or to storm the enemy in in open field or to storm the
fortrees. $I$ wish they could go at it at once. Be not anxious about me. 1 am
sate sato in the arms of my Saviour-I
it, I know It-in life or in death." The "day of humiliation" was solemnly kept by the young captain as a day of
fasting and prayer.
His last
writton Words spoke of spending that orvening
with a friend, in prayer and Bloterrondwith a friend, in prayer and Bitlo, read
ing. "We. . exchangeod our thoughts
 Name was the, last word he panned.
Here
is part of ol olter trom an oflcor Hero in part of a ietter from an Jffoor
deseribing the "eend"-which was really the beginning:" "When the enamy was cloose enough, Viears shouted, Now, © 7 th,
on your pins, and charge 1 , They, poure on your pins, and charge ' 'They pourod
in a volley, charged, and drove the Rus sians quite out of the trench. Vioars himself struck down two Russians, and was in the act of cutting down a third
with his sword. when another man, who was quite close (for the coat wans singe.l) fired. The tall ontered his upliftod rligh arm, close to where it joins the shoul-
der, and he fell
must
have bled der, and he fell
to death in a
 soldier's death could obe and nothng
could have been more noble devoted could have been more nobte, devoted, his irst and last engagement. was univerally beloved; and none can doubt who know him that he is now in
the presence of that great and holy Coul Whom on earth he deeply loved, and earnem on earth he deoply loved. and
serve.".
and succossfuluy sought to Another friend wroto: "Such a death became such a iire, and such a soldier.
The most gallant, the most cheorful, the happiest, the most univers $\Delta 11 \mathrm{l}$ r respectod uficer, and the most consistont Chrisilial
soldier, has been taken from us by that bullet; and $I$ know not how to live without him." The book contaisn many ex-
tractan of a similar nature, hhoming that tracts of a similar nature, showing that
the good soldier of Christ had won tho love and rosespect of all who knew hitm
lany who dibelieved mere Many who disbelieved were won to his Master by his shining life. One private
said: ${ }_{\text {II }}$ I wept tor his loss, but now envy him his glory
The last spoken words of Hodey Vicars
were : "،This way, 97 th."
Ho were: :"This way, 97 th.", He He hy
found ."The way, the Truth, and the Life, ${ }^{\text {o }}$ and is still calling his comrates to follow JESUS, "The Way." Hope.

The everyday cares and duties, which wen call druagery, are the weights ani counterpoises of the clock of time, giving
its pendulum a true vibration, and its hands a reaular motion; and when they cease to hang upon the whele the ten-
dutum no onger swings, tene hands no
longer move, and the clock stand

HOW TO ORDER PATTERNS Order by number, giving age or meas
urement, leaat ton days to reoelve pattern. Also stato in which feue pattern appoarod.
Prico ten conts PER PATTERN. If
ITO numbere appear for tho one euit, onn elor
coat, the other for akirt, twenty oents coast, the other for rekirt, twenty cents
must bo sent. Address Fashion Depart ment, "The Farmer's Advoonte and Home Mragazine," London, Ont. Be aure
to sign your name when ordering patto sign your name when ordering pat-
terns. Many lorget to do this. When ordering, please use this form Send the following pattern to
Post ome..............
County
Number of pattern...
age (if child or misses' pattern).
Ieasurement-Waist, …… Bust.
Date of issue in which pattern appeared.


The Dollar Chain
A fund maintained by readers of "The
Farmer's Advocate and Home Magazine"
for (1) Belgion Relief. for (1) Belgian Relief; (2) Soldiers' Com
forts; (3) Red Cross Supplies Contributions from June 11th to June Over $\$ 1.00$ each :-


$$
\begin{aligned}
& \text { Cver } \$ 1.00 \text { each :- } \\
& \text { "Kintorians," Kint }
\end{aligned}
$$

$$
\begin{aligned}
& \text { "Kintorians," Kintore, Ont., } \$ 2.00 \text {; } \\
& \text { William Ball, Alliston, Ont., } \$ 1.25 ; \text { Mrs. } \\
& \text { W. Simson, Gorrio }
\end{aligned}
$$ W. Simson, Gorrie, Ont., $\$ 2.00$; "'Toronto," $\$ 2.00 ;$ H. W. Palmer, Shetland

Ont., $\$ 6.00 ;$ R. E. Hoder Ont., $\$ 6.00$; R. E. Hodgson, Martigny
Que., $\$ 5.00$. Contributions of $\$ 1.00$ each :"A Friend," Kerwood, Ont.; ."
Friend of The Advocate," Wilton Grove Ont.; C. E. Bonnycastle, Campbellford Ont.; Wm. Lindsay, Muskoka, Ont.; Chas
N. Walton, Minesing, Ont.. David mell, Walton, Minesing, Ont.; David GemKemble, Ont.; Brock Shore, Clarksbury, $\begin{array}{cc}\text { Ont.; Brookfield } \\ \text { Ont.; "A Shannon, Clarkstury. } & \text { Callander. } \\ \text { Oriend, }\end{array}$ Ont.; "A Friend," Vittoria, Ont.; Sura
I. Simson, Gorrie, Ont.; "A Reader," Alexandra postmark; Mrs. Geo. A. God-
frey, North Wiltshire, P. E. I.; Jas. E. frey, North Wiltshire,
Ruthven, Alliston,
Amount previously acknowledged

Amount previously acknowledged
from Jan. 30th to June 11th.
Total to June 18th...............\$1,454.50
Kindly address contributions to "'Tho Farmer's Advocate and Home Magazine,"
London, Ont.

## Horsemen Contribute.

 On May 15th last, representativesvarious Horse Breeders' Associations
Canada met in 'Ta Canada met in Toronto Ansociations decided contribute a Blue Cross Ambulance t
the Canadian Militia, for use of the Veterinary corps at the front. Such an outfit will consist of: One horse ambulance, one transport wagon, four heavy
horses to haul the ambulance and wagon, horses to haul the ambulance and wagon,
sixteen light horses for the use of the men in catching loose horses and in killsad horses too badly wounded to recover, saddles, blankets, and a supply of vet-
erinary medicines. It is estimated that all the albove will cost, approximately,
$\$ 6,000$. At atimated the $\$ 6,000$ At a later meeting of approximately
Executive Committee, appointed above representatives, the Secretary was asked to write the different Associations
setting forth the objects of the move ment and askine objects of the move ciety, in hilping the crause. The amounts

FOLNDED 1866
tives of the Associations present at the


The Dufferin Park. Driving Club, To ronto, has offered to give a matinee, the
recelpts from which to be devoted to recelpts from which to be devoted to
this object. The Committee would tike this object. The Committee would like
to raise the balance of the amount $r$ quired from balance of the amount reand other interested organizations, such as Racing and Driving Clubs. The ambulance and equipment will be pre-
sented in the name of the Horse Breedsented in the name of the Horse Breed-
ers' Societies and kindred associations, and will be strictly Canadian, and must ot be confounded with the British Mlue H. M. ROBINSon.

Will You Save Soldiers by Donations for Sand Bags?
The following letter received by Mrs. Grand, who Folkestone, England, makes an appoal to Which surely every one of us should As we explained here a few weeks ago,
when we made a plea for sand-bags in esponse to Miss Grand's cable, the bags are used to protect the soldiers from the
bullets after the men have left the renches and are advancing in left the Carrying these bags with, them, open. arop them and take shelter behind them.
We can all help so easily to save en from German bullets. save our Here is the letter :
you could collect some funds for asking bags. We want millions for our dear soldiers. So much depends upon the next six weeks. We are working at them
night and day, and need moner ight and day, and need money. Toronto papers at once ? We must send all we can, and every one has to be peal in quickly, Do try to get the apall the Concerts that have been siven in oronto could spare us some money. them is no use Toronto people making and the great battle may be fought in the meantime. Une sand-bag may suve a precious life. Do ask everyone to The accompreat cause. ter from Mr. Hugh Brewer, of the 24 th Battalion (Royal Montreal Regiment).
speaks speaks of the use of these sand-bags :
"General Alderson also addressed ranks, thanking the men for the splendid work they had done, and their splendid ehavior under fire. He said that the which relieved the Canadians, had gone out of their way to tell him that they had never been in such well-cared-for trenches. 'Perhaps you are not aware
of it.' said the General 'but it's act that the divisions used more than 15,Ooo sand-bags during their occupation of the trenches. The work which the Cana-
dians did in strengthening parapets cundians did in strengthening parapets, cun-
structing dug-outs, etc., has come in for the highest praise from experienced British soldiers."
The following extract from a letter written by Capt. Agar Adamson to Mrs.
Adamson before he was wounded, would make all doubts vanish. Capt. Adamson says
"We ca
dred sand-be get more than three runt sand a regi-bagent a company, or one thoucaps us very much, as we could use one thousand a day per company.'
Contributions either to Mrs. Russell Hale, 307 Russell
Hill Road Hill Road, or to Joseph Kilgour, 21 A sand-bag may not sound very romantic, but if it saves a Candian's life,
could we ask more? And they need could we ask more? And they need
thousands. Buttons-"Get up! Get up! The hotel's afire !" ScottishGentleman-"Richt, laddie; but
it it do mind ye, I'll no pay for the

JUNE 24, 1915
'THE FARMER'S ADVOCATE.

TheBeaverCircle
OUR SENIOR BEAVERS. [For all pupils from Senior Third to
Continuation Classea, inclusive.]

## Camping

 next tow woeks. Perhaps you may ever
nind time tor
 Pgrrhaps I can give you a tew "point-
erss' on it, for I have spent many happy erss, on it, for 1 have. spent many happy
weeks in tents, and expect to spend many
more
In the first place you don't realiy need
to go far from home to ond all the joys of camping. Your own "bush" or orchard will supply all the change you need, as you
will soon learn if you try it. Have you never tound out how ".strange", your
very own woods may be t-It not, just err own woors may be 2-1f not, just
sit up somewhere in the midst of them,
at midnight and disten
 out at the big shadows, black where
(hey touch the borders of the moonlight. Le you have a canvas tent you are very
lucky, as it is the very best thing for camping. In it, in wet weather, you
can be pertoctly dry, so long as you do not touch the canvas anywhere. If you
forget and chance to do that, even with lorget and chance to do that, even with
your inger, in will come the rain in a
litulu river. It you haven't a canvas tent, however,
you can build a very nice wigwam, Indian tassion with potes lied ongether at the
top and the whole covered with branches
of conre it it it rains the branches will not be of a great deal of use, unless you have boards too, and you will have to
run for somebody's house or barn. It is best to pitch the tent close to a
pebbly spot on the bank of astream it possible, as the pebbles form a good
place tor building the fire tor cooking, leaving no loss you have such a place
afre. Unlest you will have to pour plenty of water
on the fire after each using, as, if the on the fire after each using, as, if the
ground happens to be very dry the lames ground happens to be very dry the tames
may work under the dry leaves and, per-
haps, burn up your tert and cause other a pot
A pot may be boilod by setting it on
three large stones with fire beneath; but hetter way is to build a borto of stove with stones. Hank them up in two rows
about three or four feet long and silose zine end. Put an old pieco of tin or
zincon top, and an old stovepipe at the
Closed end, and you will find that you have a very good fir-place over which Several unngs may be cookd at once.
You must always be very careful, when working about a comp-fire, that sparks
do inot catch in your clothes. Having fixed your fire-place, very little ground will do very well for a table, al-
though, if you are handy, you may be thle with the help of a fow boards and nails, to put up a table between two
rees, with seats fixed to blocks of wood on each side.
Se sure to put up a pole somewhere in
sunny place over which the bed-clo ohes luy be huag during the day. The sun-
shine will help to keep them sweet und Fure and dry. The bed itself should be made in the tent, of piles of braches
laid one over the other like shingles on haced, put dry grass or hay over tho top, then put on your blankets.
It there are mosquitoos, keep a cheso-
cloth curtain hanging across the doorcurtain ha.
of the tent.
Your eatables may be kept in closely-
covered boxes in ${ }^{\text {a }}$ ashated place outside
tile tent the tent. IP there is a cool spring
near, as there should be in every ideal
nit "wer pool in which one boo marm be for the butter and anything else
lat needs to be cool. $A$ large flowernd kept covered with a wet cot coth. will There will be plenty to do to keep you
amused, especially if you camp beside
creek.
for tou can fish, pick raspberrie at a mark with, build dams in the creok, -and don't forget to take a bird book
and a flower book with you if you can
possibib possibly get them.
Last Last of all, perhaps you can coax
father or mother, or an older brother,
to stay with you at nights. you're not afraid. Oh, no !-But then you're not afraid. Oh, no !-But then
it's better to have an older person abont
at nights when one is ond at nights when one is camping. PUC.

## Funnies.

$\qquad$ with her father one June morning. Haar-
ing a bird singing by the roadside, she stopped to admire his beautiful black-
and-white coat. "Oh, Papa," she exclaimed, "see this "How do you kno
asked her father.
"'Cause
asked her father.
"Cause I 'stinctly was the reply. -N. . R. M.

## THE BEST FIRM.

 A pretty good firm is Watch \& Waite, And still another is Doo \& Dairet; But the best is probably Grinn \& Barrett.-Walter G. Doty.

Senior Beavers' Letter Box. Dear Circle and Puck, -Once again I
am writing to you. I am a very inter-
ested reader of your paper, Puck, and always look forward to the time when
"The Advocate" comes. Please Puck, "The Advocate" comes. Please Puck, I
have come to you with the same question as many other Beavers. May I
join your Garden Competition. that your rules do not obetiect to having me. What kind of flowers and vegetables not give up like some of the Beaivers did last year.
I am very fond of reading. Indeed,
mother says that I am quite a book-worm I know, but simply love reading. I have read about
112 books, and nearly all these threo 112 books, and nearly all these three or
four times over. I cannot understand a book clearly enough if I only read it once. I am afraid of sending you a list
of the books I have read, because it of the books I have read, because it
would take too much room. Sound time ago a Beaver from owen said she thought that I was quite a
Canadian Beaver. Wasn't that a cum anadian Beaver. Wasn't that a com-
pliment ? I always wished I could live in Canada, and I may some day. This, is my third letter to you. I did
not see my second one in print. you any Scout or Cadet Leagues in Can-
ada? I am president of our Privato Scout League. We have filteen English members, one Belgian, and two Cana-
dians. We are very proud of the two dians. We are very proud of more.
latter, and would like to get more.
Say, Puck, do feed that dreadful. w. b; of yours before this letter comes since I first wrote to the Circle. Now my letter is getting too long, so I vill
not take any more time and space. Good-bye, from your. English Beaver.
P. S.-Will the Beaver at Owen Sound write to me again and tell me her name and address ?
LUCY HARWOOD (age 12, Form IV).
Lee's Rest, Charlbury, Oxford, EngLee's
land.
O\&
Of course you may enter our Garden
Competition, Lucy. It will be interesting to us all to know that one of our
gardens is in England. I sent you a copy of our March 11th paper, with all
directions about the competition in il directions about the competition in it
Did you get it all right ?
int in Canada, Lucy, so you will feel quite
 My father takes "The Farmer's Advo
cate." and we like it very much. A
this is my first letter I would like t

first letter to your Circlo. My tather hae
taken "The Farmer's Advocate" tor gaken many years, and we like it fine Good many years, and we like it fine.
We left of another paper to take it.
Forlpets I have a dog named Collie. For pets I have á dog named Collie.
We have five bantams, and a lamb nalued
Mary. I have seen some other Beavers Me have five bantams, and a lamb named
Mary. have seen some other Beaver
writing about their school tair, so writing about their school fair, so
thought I would tell you about ours.
took potatoes, took potatoes. It was held in Sparts.
Some men put up the tent, and children Some men put up the tent, and children
brought in stuff and soon the tent was full. Then the judging began. The races were going on outside when th
judgting began.. They had tug of war
and other games, too. They ing other games, too. They were seliI got fifth prize for potateos. We came
home then. I think I will close with home then.
riddle. High as the 'westle; weak at the
castle, but all the king's horses can't castle, but all the king's horses can'
pull it down. Ans.-Smoke. Union, FRANCIS OLDE (age 10 What is the "westle," Francis?

## Junior Beavers' Letter Box.

 [For all pupils from theJunior Third, inclusive.]

| Dear Puck and Beavers,-This is my first letter to your Circle. I would like to become a member. I live on a hun-dred-and-twenty-acre farm and am about one mile from school. My teacher's name is Miss Ceceilia Gregg; I like her very well. For pets I have a Holstein bull calf: he is about two months old. He is lull of fun and play. He sometimes takes a romp about the stable. I care for and feed him myself. My school took part in the school fair, and I um taking mangels and corn. I am in the Junior Second Book, and am nine years old. We have twelve pure-bred Holstain old." We have twelve pure-bred Holstain cows, and ten calves this year. I will close my letter with a riddle. <br> What is it that goes up and down and never touches the ground or the sky? Ans.-The handle of a pump. <br> There was a ship that was full of people and there was not a single one on it ? Ans.-They were all married. <br> I hope this will escape the w.-p. b. Brainsville. Ont. <br> FARQUHAR MCRAE. |
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Dear Puck and Beavers,-This is my father has taken "The Farmer's. Advowe like it fine. I am ten years old, and live on a farm of 100 acres. I go to school every day, and am in the Senior
Second Book. We live about Sell Second Book. We live about half a
mile from the school. I have read quite a few books. Some of them are: "Mrs. "Mres. Wiggs of the Cabbage Patch," "The
Crown of Success," "The Tittle Kore Cousin.". "The Little Chinese Cousin," "The First Book of Birds," and quite a Cow others. For pets I have a r ice collie dog; we call him, Bingow; two cats named Rosy and Blackie; also a
pair of bantams. As my letter is got-
ting long I will close with a few ridting long I will close with a few rid-
dies. Why is it very easy to break into an
old man's house? Ans.-Because his gait (gate) is broken and his locks are
Which of the English kings has most reason to complain of his washerwoman?
Ans.-King John when he lost his baggage in the Wash.
What has a head and never sleeps, has
a mouth' and never eats, and always keeps a moving ? Ans.-A river.
HAZEL McCALLUM (age 10, Sr. II). Martintown, Ont.

Dear Puck and Beavers,-This is my first letter to your Circle. We have
taken ".The Farmer's Advocate". for a long time, and like it fine. I am elght
years old, and I go to school every day, except just now I have the mumps and
can't go. My teacher's name is Miss Dawson. and we like her-fine. I have
one brother and one sister. They go to school also. They are in the Third
Class; I am in the Second letter will escape the worm. Hoping this pear in print. Arthur grieve. Dear Puck and Beavers,-This is my

## The Ingle Nook.





Dear Nookers,-Have you ever in your Dear Nookers,-Have you ever in your
life met people who by sheer reason of
their goodness, or pluck, or persevertheir goodness, or pluck, or persever-
ance, or some other admirable quality, ance, or some other admirable quality,
make you positively ashamed of yourmake you positively ashamed y y y
self ? It's not pleasant to feel ashamed
of oneself, and yet it is of oneself, and yet it is tonic to meet
such people, or to hear of them, and we such people, or to hear of them, and we
shouldn't rebel much against anything shaua
that tonic, should we ? Three instances of the kind have come to me during the past weok, and I pass them on to you,-you see I like to shar
my "tonics.". The first may shock some people very much.

The other day I called on a very
sweet, young woman, and in course of "I have lost a very dear friend from "I have lost a very dear friend from
the city, lately. She was my wash-
woman, but the very dearest thing you woman, but the very dearest thing you
ever saw I I always felit like a great. ever saw I I always felt like a great,
big, awful ainner when I talked to
her. big. awful sinner when I talked to
her. II you only knew how sweet and
wonderful she was, and how much good wonderful she was, and how much good she did according to her means 1-oh,
she was enough to make all the rest of she was enough to make all the
us "Why so ashamed lid she leave ?" I asked
"Ohy did she leave ?" I asked.
man, and he went to a Salvation Army man, and he went to take charge of the
Army in P-. He gets very little money, you know, and so his wife helps
by washing. They're very much alle by washing. They're very much allke.
Ii they had but one loaf they'd share it, and, often, they do-I wish yar could have seen her. Such a sweet
face ! And such kindly manners! I feel that I've lost a real friend. I've had seems to be happy where she is."
Evidently this washion Evidently this washwoman is a "big"
woman, a queen so far as her sphere exwoman, a queen so far as her sphere ex-
tends. Incidentally, too, don't you think my friend a "big" woman ?-
It often requires bigness of soul to recognize bigness of soul.

The second wonderful character of city. She is a woman of rare intelligence, but is almost blind. In spite of
that fact she does all of her own house work-and the dinners she prepares are seid to be par excellonce.-Think of -Doing housework of all kinds when one can see so little that one has to go
about with both hands extended to keep one from rumning into thingst-When one
has to hold one's hand over the has to hold one's hand over the gas
atter lighting it, to see if has caught!And the marvel of it all is this woman's
cheerfulness. Those who know her best cheerfulness. Those who know her best
say that she is unfailingly bright Interesting, never given to "blues,"
ready at all times to enjoy anything that comes along, from a chat with a
triend to an automobile a ride triend to an automobile ride
Surely we who have all our facultee
should strive to attain some such cour

THE FARMER'S ADVOCATE

## age. some such resolution not to be ready to be thrown down and out by adverse circumstances.-An inspira

The third story is of a different order. ha do not know whether, any of you hittle drama. "The Bluebird, ago, when there was no war and the
arts. could flourish, it was put on in arts could fourish, it was put on in
the Grand Opera House here, and every-
one in the city who loves good dramatic art was there to see. I I shall never arget the beautiful little play. In the
first scene the two children Tyltyl and arst scene the two children Tyltyl and Mytyl are shown asleep in their mother's
little cottage in the forest. A fairy
comes in, and sets them of on a comes in, and sets them of on a
journey whose object is to discover a
bluebird, which signifies happiness. She gives to the boy, Tyltyl, a diamond
which when it is turned enables the litwhich when it is turned enables the lit-
tle tots to see the "souls" of things; te tots to see the
then she disappears.
At once everything becomes visualized. The hours troop from the clock and take, form and talk; the dog and the
cat also talk.-And so the children move cat also talk.-And so the children move
on from scene to scene, seing into the on from scene to scene, seeing into the trembling, they enter a cemetery at mid-
night, and little Mytyl cries, for the raves are to be opened. But when the is to be seen, and Tyltyl cries, in amazement and delight, "Why, there is no

In a far-off land they look upon little children waiting to be born. In another they meet with grandparents who have
long since died. In a Palace of Night
they catch glimpses of the catastrophes
 ence, even "Cold-in-the-Head" wh
omenes forth sneezing and has to b
thrust back lest she cause an epidemi Last of all they meet the Great Joys $\begin{array}{cl}\text { and Sorrows of life, } & \begin{array}{l}\text { personified-An } \\ \text { the }\end{array} \\ \text { discover }\end{array}$ Inally they discover the Bluebird.-
Where ?-Why in their very own litte
cabin in the forest, with the simple cabin in the forest, with t
homely parents who love them.
It was all very beautifu
-And now?-Hidden awey in the story that did not appear above the
footlights, but which I may now tell to you.
I'd like to tell you the name of the
actress, but perhaps it would not be actress, but perhaps it would not be
fail. At all events, this bright woman, ome years ago was left a widow with
vo little children, very little means,
ad only one talent-she could "act." and only one talent-she could "act."
She determined to make use of that
talent, for not only had bread to be She determined only had bread to be
talent, for not only had
won but the children must be educated. Thus it was that she appeared above
the footlights.-The hard part came in the footlights.-The hard part came in
this: that both her own people and
her husband's were so incensed at the this: that both her own people and
her husband's were so incensed at the
idea of her taking up stage-life that
they ostracized her, threw her off comthey ostracized her, threw her off com-
pletely. Perhaps no one except those
who have been so treated can realize the pletely. Perhaps no one except those
who have been so treated can realize the
loneliness and pity of that. It was a great and terrible problem for the lone
little widow. But what was to be done? it. Should she conform to the con-
ventionalities and scrape along in
poverty, poverty, or should she make use of her
gitt and develop it?
The more she git and develop it ? The more she
pondered the question the more she
realized that great gift are not be stowed for nothing. With them they,
carry responsibility. "The Bluebird",
was a good play with a good moral beautiful thing, an impressive sermon on
the stage. Maeterlinck was a teacher, a great teacher and a great artist.-She,
decided to stay with "The Bluebird." And so she makes a living well, and her
children are being given their chance ia
life Who, Who, having seen that wonderful play,
and understanding its lesson. can do
other than admire the courage and persistence of
her name.


## A Letter From The Front

 asurro to the tront, which iif so finter


 hater th mir not of
Seriptionas. - Jumia.,

No. 4, General Hospital. surraly here mo aro in France, and do mial I suny France these deys. but 1 cannot. But it is one of the
old historic spots, and every day $I$ wish you were here. I I started out to keep
a diary, but after the first day on duty a diary, but after the first day, on duty here mound I was so weary at nigh However, I will be able to remember heaps and tell
I reach home.
called building we are nursing in is quite immense and wonderfully equipped, especially when you know what tho
building really was before. The work is ouriding really was before. The work is
intensely interesting, and I am enjoying it immensely-even if I am on night duty. The English nursing sisters ar
"This is a beautiful building, and the grounds are so nice; there are so many
fowering shrubs and a number the same as we have at home, - the wistaria, the There is also a chestnut with others, pink blossom, and a pink-flowered hawthornes and this morning I heard a dear little golden oriole piping away. There trance. They are much the same as ours only larger, more shaggy, and the
petals are longer. petals are longer
"A short distance from here there is yet, but sister Walker was there yester-
day, and she says it is the most beauti-
ful ful spot she ever looked at in all her
life, so we are life, so we are going to walk down
some day soon, and then I will write
and tell you about and tell you about it
"There are trees, and trees, and trees
all around the palace, and everything is so beautiful and peaceful it is really
hard to believe that a terrific war is taking place.
Scarcely a gloomy face is to be found anywhere, and not a word of complaint to be heard no matter how greatly they are suffering. All day long y night in the tents on the lawn they were
singing, and such nice singing, and such nice voices ! One boy
told me that even in the trenches they
sing a great deal "One of the Sisters was telling us about an Irishman on her floor. He
thought he had a pain over his heart When the medical officer asked him where it was he showed him a spot up neer
his neck. The doctor told him his heart was not up there. Later he said to the
Sister, 'Shure things had come to a
pretty pass whin a fellow didn't know pretty pass whin a fellow, come to a
where his own heart was, "There is the dearest youngster, about
17 years of age, from Dublin, on this floor. He just lies there and smiles
and smiles. He says this is heaven
enough for ""Say, am I glad I came? Well, I just guess I am !-And am I glad I am
a Canadian? I guess yes !-Not be
cause I have any dislike to the English people for they are splendid; but you
should hear the different men talk the Canadians, -words of praise every-
where. They have been wonderful in their bravery, -though no doubt you
people over home know as much about
that part of the fend more. We have seen no Canadian papers
ind have no idea how many from around "We had such a nice little trip
through France on the funny little through France on the funny little
coaches, and the engine with the queer
little whistle. Sister Seeler says it just.
$\qquad$


adians," you should have heard them.
"Canadians!" with a smile on every "Canadians from, and we got such a nice salute room to poke his head out possibly find Now believe me, we take of a window.
to a Belgium soldier anyy day er any day Irish boy up this morning he offered to sing me a song, and I can tell you he gave me some surprise when I heard his
voice. It is splendid. He has lost a leg and has several other wounds, and
witlr them all he says he would like to withr them all he says he would like to go back and see the finish. That is what ${ }^{\text {w }}$." [This ends all I can give you of the
nurse's letter.- But I just want to re-
mind you that these suffering, cheerful men are being helped by your money
sent through the Dollar Chain are giving so much-so much! Aren't
you glad that you are helping them, is you glad that you are helping them, if

Cleaning coat.-baked omelet. Dear Junia,-Having received many ing the Ingle Nooker's columns in "'The Farmer's Advocate,'" like many others
Can anyone tell me how to dry-clean is curled, and I know by simply washing in the ordinary way they never look so well? I also enclose my best baked
omelet recipe, as eggs seem to be plentiomelet recipe, as eggs seem to be plenti-
ful as well as cheap. Baked Omelet.-Six
Baked Omelet.-Six eggs, 1 cup hot
milk, 3 tablespoons cold milk, 1 tablempoon cornstarch, 1 tablespoon butter, 1
teaspoon salt. easpoon salt.
Method.-Beat yolks of eggs and salt
until creamy; boil milk slowly stir in cornstarch, previously mixed in cold milk; add butter, beat until well
blended. Stir this into yolks of eggs, hended. Stir this into yolks of eggs,
and lightly fold in whites which been beaten very stiff, pour into buttered pan and bake in slow oven for wenty-five minutes.
Argenteuil Co.
Argenteuil Co., Que. OLIVIAH. Wash the coat in gasoline, taking care
to do the work out of doors and away from fires or lights in order to prevent
any possibility of explosion. Hang the coat on the line until dry. Gasoline should be kept tightly closed when not too much soiled the coat may be cleaned
by rubbing into it a mixture by rubbing into it a mixture of flour
and cornmeal or starch and borax.. Roll up and leave for a few hours, then
shake and brush well.

Hot Weather Cookery.
shasy Salad.-Cut lettuce leaves into
sheds with scissors and arrange on in-
dividual plates. On each bed of lettuce arrange either sliced hard-boiled egg or tomatoes to form a daisy. Put a little
ball of cream cheese in the centre and
serve the salad dressing Strawberry Shortcake--Sift together 2 tar, 1 teaspoon soda and a pinch sand together. Work in $1-3$ cup lard
and mix with sweet milk or water to
stiff doug stiff dough. Divide into or walves and roll a
out to fit tin. Spread butter lay the other on top and bake twenty
minutes. Hull and wash and mash the strawberries and sweeten to taste.
Separate the two cakes, butter Separate the two cakes, butter, and
place the berries between and on top
Let stand and Another.-Cream together 1 tablespoon
butter and 2-3 cup sugar, then add well-beaten egg mixed with then add a teaspoon of soda inean of tartar and $\frac{1}{2}$
a batter like jelly cakh flour to make, then beat all to gether. Bake in two tins, put all to
between as above, with whies on top of all.
whole berries.
Decorate with a few Rice Pudding.-Wash $\frac{1}{\frac{1}{2}}$ cup rice and
add to it 1 quart rich milk
 ess raisins. P'ut all in a pudding dish
and bring to a boil over boiling woter Add 1 teaspoon boil over boiling water.
tirellos and put in theoker. Teave $3!$ hours Serve
spoon butter and 2 tablespoons flour together and add to 1 cup hot mill boilling until all is thick and creamy.
Add to the salmon and cool. Add more seasoning if neceassary
Heat 1 cup cooked peas with Heat 1 cup cooked peas with 1 table-
spoon butter mixed with one spoon butter mixed with one of flour
and 3 tablespoons cream. When salmon mixture is cold and firm mould
it into round, fist con it into round, flat cakes. Put a spoon-
ful of peas in the center cover with another salmon calse cake, into a ball, egg and crumb, then try in deep, hot fat.
Coffee Bread.-Add 1-3 of a cup of
butter, \& cup sugar and butter, \& cup sugar and teaspoon salt
to 1 cup scalded milk. When the mixture is lukewarm add 1-3 of a yeas cake softened in t cup lukewarm milk,
1 egg well beaten, 1 egg well beaten, it cup raisins stoned make a stiff batter. Cover and let rise over night. In the morning cut down
with a knife and pan to ${ }^{-}$inch in thickness a buttered pan to $\frac{1}{2}$ inch in thickness. Cover and
again let rise. Brush over with beate egg, and cover with the following mix ture: Melt 3 tablespoons butter, add
$1-3$ cup sugar and 1 teaspoon $1-3$ cup sugar and 1 teaspoon cinnamon
When the sugar is partially melted 3 tablespoons flour. Bake as usual.

## Fruits and Vegetables.

Fruits for canning should always be
firm, fresh and not over-ripe. amount of sugar usually allowed is one
third the weight of the fruit in sugar and 24 to 3 cups of water to each fruits or vegetables it is ror cannin that the jars be very thoroughly sterilized. To do this wash them well and fill with, cold water; place in a boiler let boil for 15 or 20 minutes, and fill while hot. Tops and rims should b boiled also, and rubber bands dipped in rubbers should be used.
The sealers whose tops snap down a
better than the old-fashioned kind.
One way of canning fruit is to make thin syrup of the sugar and water, cook the syrup and pack in the jars. Finelly fill to overflowing with the syrup and screw on the tops. While filling the
jars place them on a cloth jars place them on a cloth wrung out o
hot water to prevent breaking. Another way is to stem sugar together, and fill the jars at once Yet a third is to pack the fruit in the jars, fill up with syrup, and cook all in case the tops nust be left loose until cooking is completed to prevent breaking.
Fruit may be canned nicely with a fireless cooker. Put on the boiling
syrup as above, and cook in boiling water for 5 minutes, then adjust the covers and put in the cooker, letting
stand there from 3 to 6 hours. When stand there from 3 to 6 hours. When
the larger fruits are being canned the fireless radiators should be used. All canned fruit should be kept in a
cool, dark place.
making Jelly.

The best jelly-bag is made in the form drip from one corner. It should be boiled before using. The glasses also should be sterilized, and after the jelly
is cold a little meltep poured over the top of each.. When making jelly of any kind be sure that side, as otherwise the jelly may not stiffen. Always the sugar for jelly
should be heated in the oven before adding it to the juice, and the juice
should be pretty should be pretty well boiled down beore the sugar is put in. Never pick
fruit for jelly when the dew is on or immediately after a rain.
Currants are among the very best jelly-
ing fruits, and may be mixed with any kind of berries to help in the stifening
process, just process, just as green apples may be
later on. For instance red or green currants combine well with raspberries
or blackberries, and under-ripe apples with grapes, thimble-berries, etc. To
prepare jelly for serving with cold meat prepare jelly for serving with cold meat
any kind of spice that is liked may be
added also dded, also a little vinegar.


JUNE 24, 1915
THE FARMER'S ADVOCATE
masher. The stems
need not be removed. of the currants
Bring slowly to boiling point, and simmer until the cur-
rants look white. Strain through a rants look white. Strain through a
coarse strainer,
then put the juice coarse strainer, then put the juice
through a double thickness of cheeseeloth jelly-bag. Measure, bring to the boiling point and boil 5 minutes. Add
an equal measure of heated sugar; again bring to boiling point and let boil 3 minutes. Skim and pour into glasses,
then let stand in the sun, covered with white mosquito netting to keep off the keep in a cool, dry place.
Canned
Cherries. - To Canned, Cherries. - remove the in a very little water and strain cook In a very
make botled fruit juice. Pour a thin
syrup over the cherries and proceed as syrup over the cherries and.
usual.
CANNING VEGETABLES. For canning vegetables the snap-seal-
ers should be used, and should be very ers should be used, and should be very
thoroughly sterilized. Pack the cooked
vegetables (some put them in raw) into vegetables (some put them in raw) into
the sealers, next pour in cold water un-
til bubbles come to the top, cover losely and cook in a boiler of water,
boiling steadily but not madly for
several hours. Next snap down the several hours. Next syap down the
covers and leave over night.
On the the process, loosening the covers repea time so that the jars will not break.
Finally snap down tight and keep in a Asparagus, corn, green beans, green peas, very young beets and carrots, and
squash may be canned in this way; also lamb's quarter, beet tops, etc.
Add whatever salt is necessary when reheating before serving, also pepper

The Scrap Bag washing colored embroideries. To bleach white embroidered articles
without bleaching the colored embroidery also is a problem. The best way is $t$
wash them with a mild, white soap wash them with a mild, white soap,
then put them to dry in an old pillow-
case which has been dipped in very strong bluing water and thoroughly
dried. days.
USE FOR OLD RUBBER bAGS USE FOR OLD RUBBER BAGS.
Old hot-water bags split open and cut
into circular pieces make excellent mats for house-plants
handy dust protectors. Strong window-shades, rollers and all,
make very good doors for pantry shelves
or other places where dopat or other places where doors have not
been added. Attach a strong ring to the lower edge to
down as needed.

KeEping robins off. Hang a few tiny bells on the tips of
the slender branches of the cherry tree.
They will help to frighten the robins
away, so it is said. PANAMA HATS.
To prevent destructive hat-pin holes
from being worn into Panama hats get
your shoemaker to put two white eyelets, such as are used on white shoes, in
the proper places. SHORT-STEMMED FLOWERS. Cover an embroidery-hoop with mos-
quito netting, place it in a low, flat
dish, add the water and arrange the
stems of the pansies or other stems of the pansies or other flowers
through the meshes of the net.

## TYing rose bushes

 Rattia is better than cord for tyingrose bushes to a support, as it is not
so likely to injure the canes. A SICK-ROOM DEVICE.
If the ticking of a watch in a sick-
room annoys a patient place it under a
(umbler, and the noise will be almost
 PARAFFIN PAPER USES $\begin{aligned} & \text { to listen to any of Great Britain's pro } \\ & \text { posals for simultaneous reduction of on }\end{aligned}$
erally recognized. It is particularly
recome recommended for foods that harticularly strong
odors. Perfectly good but "smelly" edibles may contaminate the entire conare wrapped in the waxed paper an outer covering of heavy white paper is
desirable. Paraffin paper may also be used as an airtight cover may also be

A GOOD MOTOR VEIL. Choose a veil that is rather wide and
has a 2-inch hem. Find the center of
the hem, and for the hem, and for 11 inches each side of center turn up the hem and stitch, mak-
ing it 1 inch wide. Run through this a piece of silk widastic long through this
around the neck enough to go at one end and a button at the other,

## The Windrow.

William Waldort Astor has opened a a donation of $\$ 100,000$.

Robert W. Service, the Canadian poet and novelist, author of "Songs of a
Sourdough,", etc., is serving the Allies in France as an army chauffeur. He en-
listed in Paris.

In Montgomery, Ala., thiree barrels of traps are caught daily in sixty large
tapon the streets by the Sanitary and Health Department. It is seing to the removal of all manure and other filth that afford a breeding place
for the flies. Eleven huge bells are on their way
from Troy, New York, by water, to Los Angeles, California, where they are to form a chime for the new million-dollar
Bible
Institute. They will have two-fold distinction of being the largest to pass through the Panama Canal.

On July 17th a conference was held in
Independence Hall, Philadelphia purpose of discussing the formation the a League of Peace. Mr. Taft presided
at the meeting, which is looked upon as the beginning of very important developments in bringing about a scheme for
universal and continuous peace when the universal and continuous peace when the
war shall have stopped.

This month, for the first time, the its honorary degree of LL. D. to a wo-
man. The woman, marked by the disinction, is Dr. Louise Lee Schuyler, well
nown for philanthropic work in New York State.

A very considerable $\begin{gathered}\text { volcanic eruption } \\ \text { occurred recently in California, where }\end{gathered}$
Ct. Lassen hecome Mt. Lassen became active, ruining many
farms by the streams of mud and lava which it sent forth. Eruptions also
took place from two mountains on Cook Inlet. Alaska.

Prof. Hedrick, of the University of
Missouri, in an article published in the Missouri, in an article published in the
New York Evening Post, argues that the real Germany is becoming highly
suspicious of the German Government Suspicious of the German Government,
-and that she is responsible for the re cent acts of which we disepprove oonly
cont that she has not yet exerted herself to alter that Government." ${ }^{\text {The Gov }}$
ernment, he claims, stands in reality
not so much for the Kaiser as for
 Deutschen," whose author is said Einen Deutschen," whose author is said to be
a Prussian, the war was "ploteted, pre-
pared and declared by the German milinaval construction.

What is there to say? Here is the suffrage case in a nutshell
It is from the pen of Mrs. Carrie ChapThe suffrage movement has been in-
spired spired from the begrnning by precisely
the same motives as have forwarded the same motives as have forwarded
similar movements among men
 matters; a foeling that an outrageous in-
justice is done the justice is done the mothers of the race
who are denied a voice in the well who are denied a voice in the welfare of
their country; a conviction that our claim of a government of the people is a mere travesty when hall are demied ex-
pression of their political desires; that governments are weak along the lines Evernments are weak along the lines
where women's instincts and inclinations
are strongest: that the are strongest; that the disfranchisement
of a sex is a discrimination based of a sex is a discrimination based upon
superstition and tradition instead of
reason reason and common-sense-these are of
motives that impel women to seek the What have those opposed to the vot-
ing of women to say to this? -The $I_{n-}$
dependent

## The Red Road.

## Langley stood in the door-way of his lodging-house, a look of contentment

 spreading over his face contentmentthe beauty of the morning he viewed tua beauty of the morning.
rippling waves indicated the existence of
Pearl Pearl Lake. To the south a gap in the
pine forest Duluth. Out of the gap came two Chippewa
Indians, riding gaunt Leech Lake ponies. They were followed by two men driving equally gaunt ponies hitched to a buck-
board. All four men headed for the place where Langley stood. "Ha-noke-sian ?" (Where are you
bound ?) asked Langley of the Chippe-
was, without changing his was,
tidue.
The The older of the two looked askance
at the larger of the men in the buckboard, who was just leaping over a
wheel. This man stood six feet in his rough boots, and every muscle in his
powerful frame seemed alive with energy as he strode toward Langley. He was talking before he covered the distance that lay between them:
"Fresh horses and
Lake at once. Give us breakfast, tooeggs, coffee, anything."'," "Eggs ain't to be had," replied Langley, still unmoved. "Horses and guides fast'll be served in five minutes. ${ }^{\text {foer }}$. Set
down and get down and get cool. Purty mornin', ain't A purple-red flush swept over the big
man's face-his name was Bentley-and
was succeeded was succeoded by white, and his jawa
set in a way that might have frightenad any man but Lant might have frightened
lived in the Langley, who had and was master at Pearl Lake. "My friend," said Pentley, his voice Langley. Ponchinot of Duluth told me me of you-told me you did things, would
hit the trail for anything or anybody I'm two days and a half out of Duluth. and I must be at quiver Lake by night Now will you wake up?"
A quick there then. A quick flash of light in Langley's
eyes told that he knew Ponchinot. But he looked again at the glory of the dawn spread over the land, and rubbed plying.
"Fores
.
"Forest fires 'tween here and Quiver
L.ake," he said, slowly. "Only person likely to come through is Tom Beebe.
He carries the mail. If he comes throubl he can get back. maybe, but it's up to him if he takes you along. Tom rides
a mule. He oughter be in round about noon.". Then looking reflectively over a
shoulder and catching the smell of bacon, he went on, "Breakfast's ready.
Come right in."
Bentley, gulping down his breakfast,
left his companion, hert his companion, Atwood, who was
his private secretary, to fnish his meal
at leisure. Bentley was a capitalist had acquired the year before important timber and ore rights in the upper end
of Itasca County. He had never seen the lands, but in the spring had sent
to them foremen and gangs of toilers.
It was important begin to roalize profits from his new in vestments at an early day.
He had agreed to pay his men higher
wages than were ordinarily given for the
Work of clearing, and the foremen had
been instructed to drive them to the bean instructed to drive them to the
limit of their strength. All throughi
March, April. May promptly sent couriers-for regular mailroutes had not been opened-the money for the pay-rolls, but through a mis-
take in his own calculations, failed to forward the moneney in July had
August. Farly in August. Early in September a courier had reached Duluth by way of Vermil-
lion, to tell him that the men, shore
sixty days' pay, had ties, made prisoners of the foremen, and were threatening to lynch Bentley they could ever lay hands on him
Bentley was neither a coward dishonest man. When the news had
reached him in Duluth, he had realized that he should Duluth, he had realized promptly paid, for that was the men
way to keep them satisfied with ond way to keep them satisfied with thly
lonesone, racking work. Realization of an error meant with him Realization of to repair it. He had started at onct
for Quiver Lake with for पuiver Lake with moneyy enough to
pay the men. Ponchinot had told him
that the quickest that the quickest way to reach his
property would be by Pearl Lake; for
this, he and Atwood Now at Pearl Lake had headed. Now at Pearl Lake Langley told hlm
that forest fires berred his way. did not believe barred his way. Ho
dit. Hastening from house to house in the settlement, hy
tried to find men and horses to "If Langley can't do it, we can't. was the one reply he got. we "The Area
are burnin', and when Itangley won't are burnin', and when Langley won't rum
'em, we can't. P'r'aps Tom Beebe cal help you." The Chippewas with Bentley did not
know the northern trails and would not budge. In a great rage and would not budge. In a great rage at being balked
when so near his goal, Bentloy returned to Langley's, to find that worthy leisurely chewing a straw. He worthy
him roughly by a shoulder, and cried man who'll guide me to dollars to man who'll guide me to my camps Throwing of the heavy hand, Langley
whirled on Bentley. He was aroused ${ }^{\text {"SSee hare }} \mathrm{Mr}$ r Bell "men who know me well never touch me that way ! I wouldn't let you do it if I didn't think you was a little excited. I'd takee you north to help you
if I knew the traill to your camps, but if I knew the trail to your camps, but
I don't, and there's nobody here who
does but TTom does but Tom Beebe, him that we hire
to carry the mail 'cause the government wo carry the mail cause the government
wont do it. Between here and where your men are there's miles of forest fire. The timber's been burnin' for a week.
is there's any way left to get to your camps from the south, it's by what they on that 'Red Road.' I never set eyee 1t. and I know Tom Beebe usee it whem
he's hard pressed to get out of the "You set down and wangley went on, more mildly. "If Tom Beebe'e you can dicker. with him. Tom's good boy, but you don't want to rile
him. He won't take from you what If might. Tom's eddilcated, and he isn ${ }^{\prime}$ e goin' to be a mail-carrier all his days. purty here,
Bentley 10
Bentley iooked at Atwood and grimly big cities, but not here. For two houre hengley's, and then there rode in from
Land Langley's, and then there rode in from
the north Tom Beebe, carrier of the mail. His face was blackened and his
clothes had the smell of burned wood and ash about them. Strapped to his leather surface of this was crisp and crumbly, as if had passed through
great heat.
Tom himself was lean and lank, a compound of steellilike nerves, bluegray eyes, and a smile that rarely
ever left the lips. The mule that he rode had patches hair gone from its flanks and back, where burning twigs and blazing leaves
had fallen. Even in his anxiety to had fallen. Even in his anxiety to do
immediate business with Tom, Bentley could not take his eyes from the mule. Bentley was an admirer of blooded animals of any kind, and here in this
wilderness,
almost almost human in their expression, stood
one of the handsomest mules that he Standing about firteen hands high, the
animal was perfectly black in color ex-
cept for a ring of white that encircled
its neck like a collar. The ears were
sharply pointed, the legs straight as
arrows, the feet small and set squiely





 Rather hot comin' down, Tom?




 $t$
Trhim is Bentley," said Langley,
laconically, nodding his head toward the capitalist.
Tom reached for his mail-pouch, but Tom reached for his
Bentley incterrupted him
"'I know what's in Johnson's letter. I'm here with the money for the men
I want you to guide me to Quiver Lake just as soon as you can. I must he
there to-morrow night. Name your price Just as soon as you can. I must he
there to-morrow night. Name your price,
and the sooner you get under way the and the sooner you get under way the
better it will suit me."
The carrier of the mail shook his The carrier of the mail shook his I' don't believe you could make it.
Bentley. I'm getting away from here as soon as I I have a bit of rest. All the trails will be afire by ot o-mor-
row, and no more mail will get through
until the antil the rains come. But your riding
back and my riding back are two differback and my riding back are two differ-
ent things. You're not up for that
kind of a ride." Bentley threw up his hands with the "This is the second time I've been told to-day I can't do things! I'm here
to get to the camps and make things ro get to the camps and make things
right. If you won't take me, I'm go-
ing through anyway. You boy-to tell me I can't go through ${ }^{\prime \prime \prime}$,
Langley moved a litle uneasily on his Langley moved a little uneasily on his
feet. Tom's eyes grew perceptibly

 back with the mail for the boys you
haven't paid yet. If you're going haven't paid yet. If you're going
through with me, there's only one ani-
mail in Pearl Lake that mule through fire. That's Langley's gray mare. If he'll let you have her, you
can follow me-but, Mr. Bentley, you can't run over me. me. I
I Bentley, wou what's
heoad; you don't.
know if you go, you take Tom strode into the lodging-house and Langley gave an impatient look at
Bentley.
"Why don't you keep cool ?", he asked. He's some boy, and you'll find that out
it oou get into the fire with him."
Bentley ignored the Bentley ignored the criticism and drove
bargain for the gray mare. He bought her outright, with the privilege of re
turning her in case she should survive
the trip the trip. He read Johnson's letter,
which was a new appeal for money, and
ordered Atwood to return to Duluth. ordered Atwood to return to Doluth.
At four o'clock that afternoon Tom came out of Langley's. He had the
strength of his nineteen years and his knowledge of the pine woods to join to
Bentley's forty years and powers of enBentley's forty years and powers of en-
duranee in their
journey through the
blazing forests.
Bentley demed it that Tom should place in the mail-pouch
the seven thousand dollars which he the seven thousand dollars which he
carried. "If I fail on the way," he remarked,
with a hall-smile, "you get it to the men.'"
At five o'clock man and boy rode out At five o'clock man and boy rode out
of Pearl Lake and headed to the north
and west. During the first ten miles they had little to say to each other. In many places the trail was so narrow
that riding abreast was often impossible. that riding abreast was often impossible.
The mule had an easy gait and the
mare followed close at its heels. The mare followed close at its heels. The
fires had not worked into the first
stretch. but as fires had not worked into the first
stretch, but as night settled about
them, the two came to a hilltop, and
 the first time the ancient growths of that rough way were aflame. The tops
of the trees were blazing and the lower of the trees were blazing and the lower
underbrush was afire in many places. That the Red Road would in a short
time be like a furnace was only too aptime
parent.
To turn back was impossible-the new sweep of the fire was already on the
trail over which the two had travelled in ail over which the two had travelled
in the afternoon. To go ahead to the in the afternoon. To go ahead to the
uplands from which the timber had been cut was the only chance. Bentley was
limp upon the mare's back and breathlimp upon the mare's back and breath-
ing hard. Tom got both animals into
the shallow waters soaked them, Bentley and himself. Then he yelled to the mare to follow, air was filled with the sound of crashaing - bramches and tree trunks were
breaking and exploding before the blast breaking and exploding before the blast
of fire and wind of fire and wind. Tongues of flame ran
here and there like threatening snakes. Beds of dead leaves were caught up like mats, set afire, and sent crackling across
the pitiless glow in the heven the pitiless glow in the heavens.
A smashing, smothering sound behind Tom, whose swollen eyes were running
scalding water. made him turn in scalding water, made him turn in his
saddle. The mare had stood to her saddle. The mare had stood to her
duty, but a falling branch, sizzling with duty, but a falling branch, sizzling with
fire, had caught her across the head and ended her days of usefulness. She
was down in the pinioned under her.
"If I fail, go. on, get through," Bent-
ley had said to him, but that order did not stay in Tom's mind an instant. Al-
though the fire was in and though the fire was in and on him, he
was down and hauling the hot body the mare from the stricken man. Ho unbound the straps which held him, and
then for one instant he thought. He then for one instant he thought. He
could not lift Bentley's weight to the could' not lift Bentley's weight to the
mules back, but he had taught the
mule in days gone by to kneel. He led the animal to Bentley's side and spoke
in its ear : "Down, Jupiter ! Down!"'
Down sank Jupiter, with the devilish fires leaping far above him, and then saddle, strapped him down again into the ed Jupiter up, and grabbing him by the bridle-rein, ran by his side through that path of leaping fire. Tom stumbled, lost
his hold on the rein, and fell. Jupiter his hold on the rein, and fell. Jupiter
stopped. Tom regained his feet and was at the rein again. Jupiter plunged on. The mule was burned in a score
of places and Tom felt charred from feet Twice the mule and the boy floundered into Coon Creek, finding cooling mud,
but little water there, Bentley's face with mud Tom covered bentley's face with mud and swabbed
the mule's blistered mouth. Somehow, some way, at two in the morning they climbed out of the torrent and ruin of
the Red Road. Torm stood on the
cleared uplands, an ocean of him. Ahead was an open trail leading
to Quiver Lake. Sweet night winds, unto Quiver Lake. Sweet night winds, un
touched by fire, swept over it. touched by fire, swept over it.
Johnson, at Quiver Lake, saw the
party coming in at dawn-Tom party coming in at dawn-Tom, stagger-
ing and limping; an inert man in the saddle; a flame-scarred mule. He knew
Bentley as soon as he set eyes upon Bentey as soon as he set eyes upon
him, but Bentley was for the present
wholly lost to his whereabouts the wholly lost to his whereabouts. Tresent
strikers were standing in a line by a lean-to at the side of the cook-house.
"I have the money," said Tom. "It's
in the mail-pouch. Take care of himin the mail-pouch.
and-and-Jupiter.
Thare care of him-
Then the all right." Then the earth and the sky swam
about him, and he fainted.-H. I Cleve-
land, in Youth's Companion.

## Buttercup-Night.

## Why is it that in some places one has such a feeling of life being, not merely a long picture-show being, not merely

 a single breathing, for homan eyes, butthing. of which ging, growing thing, of which we are no more im-
portant a part than the swallows and portant a part than the swallows and
magpies, the foals and sheep in the
meadows, the syca meadows, the sycamores sheep in the
and flowers in the fields, the rock-trees and flowers in the fields, the rocks and
little bright streams, or even than the little bright streains, or even than the
long, ofleecy clouds and their soft-shout-
ing drivers, the winds True. we register these parts of being,
and they-so far as we know-do not and they-so far as we know-do not
register us: yet it is impossible to feel,
in such places as I speal in such places as I speak of, the busy,
dry, complacent onse of being all that
matters which ins enaral we humeng
in the remote country, untouched by the scious of an enwrapping web is con-spirit-is it, perhaps, the wlamorous of of wistful wraith of all the vlamorous and that once dwelt there in such close
comradeship?
It was Su

It was Sunday of an early June when I first came on one such, far down in then knapsack twenty I had walked with my no room at the tiny inn there being wicke village, they directed me very leading down through which, by a path farm-house, where I I would come to The moment I got into that feld I felt within me a peculiar contentment, and grow. In an rock to let the feeling the bank about fifty yards away, two magpies evidently had a nest, for they were coming and going, avoiding my
view as much as possible, yet with certain stealthy confidence which made right to that dwellingplace. Around, ar as one could see, was hardly a yard
of level ground; all hill and hollow long ago had been reclaimed from the moor; and against the distant folds the the hills the farm-house and its thatched
barns were just arnns were just visible, embowered
amongst beeches and some dark trees, with a soft bright crown of sunlight a faint rustling up from those beeches and from a large lime-tree that stood by
itself; on this wind some little snowy clouds, very high and fugitive in that blue heaven, were always moving over.
But what struck me most was the buttercups by those tiny lamps, those little bright pieces of flower china out of the Great Pottery. They covered the whole ground,
as if the sunlight had fallen bodily fro the sky, in the sunlight had fallen bodily from
then millions of gold patines; and the fields below as well, down to what was evidently a stream,
were just as thick with the extraordin were just as thick with the ext
ary warmth and glory of them. Leaving the rock at last, I went to-
wards the house. It was long and ow and rather sad, standing in a gara few rhododendrons and flowery shrubs below a row of fine old Irish yews. On the stone verandah a grey sheep-dog and
a very small golden-haired child a very small golden-haired child were
sitting close together, absorbed in each sitting close together, absorbed in each.
other. A woman came in answer to my knock, and told me, in a pleasant, soft,
slurring voice, that slurring voice, that I might stay the
night: and dropping my knapsack, went out again. $\quad$ Through an old gate under a stone arch I came on the farmyard, quite deserted save for a couple of
ducks moving slowly down a the sunlight; and noticing the upper hall of a stable-door open, I went apross, in search of something living, There, in a
rough, loose box, on thick rough, loose box, on thick straw, lay a
black, long-tailed mare, with the skin Dack, long-tailed mare, with the skin
and head of a thoroughbred. She was swathed in blankets, and her face, all cut about the cheeks and over the eyes,
rested on an ordinary human's rested on an ordinary human's pillow
held by a bearded man in shirt-sleeves while, leaning against the white-washe walls, sat fully a dozen other men, per
fectly silent, very fectly silent, very gravely and intently
gazing. The mare's eyes were hall closed, and what could be seen of them was dull and blueish, as though she ha Save for her rapid breathing, she lay qulte still, but her neck and ears were
streaked with streaked with sweat, and every now and
then her hind legs quivered. Seoing me then her hind legs quivered. Seeing me
at the door, she raised her head, utter ing a queer, half-human noise, but the bearded man at once put his hand on
her forehead, and with a "Woa, -woa, my pretty !" pressed it down plumped up the pillow other hand he And, as the mare obediently let fall her "I never see anything so like a Chris-
tian ". chorus, "Like a Christian-like a Christian !" It went to one's heart to farm lane into an old orchard, where he apple trees were still in bloom, with soms, whose petals were droping on long dock leaves and buttercups in the the far end. I found myself ine bank at

JUNE 24, 1915
one hedge of its meandering length were
masses of pink maylower: and between massess of pink maylower; and between
two little runing streams quantities of
 trock orchia, Loo, was all over the
grass, and overywher the butercups.
Great stones eoated with yellowish moss creal strewn among the ash trees and
mate
 might have painted, a girl was running
mith a youth after her, who jumped with a youth atter her, who jumped
down over the bank and vaished.
dinuses blackistr Thrushes, band one
and one
bid birun wore in full song: and this, with the
zound of the streams and the wind, sound of the streams and the wind, and
the shapes of the rocks and trees, the colors of the fowers, and the warmth
of the sun, gave one a feeling of being lost in a very wilderness of Nature Some ponies came slowly from the
end, tangled, gipsy-headed little ere tures. stared, and went off again at
speed. It was just one of those places mhere any day the Spirit of all Nature
might start gaps that separate the trees and rocks.
But though I sat a long time waiting. But thoush I sat a long
boping-She did not come.
They were all gone from the stable
when I went back up to the farm, except the bearded nurse, and ono tall tellow, who might have been the "Dying
Gaul," as he crouched there in the straw; Gaul," as he crouched there in the straw;
and the mare was sleping-her head be and the mare wa's sleep
tween the nurse's knees.
That night I woke at two ooclock, to
find it almost as bright as day with montiight coming in through the fimsy thing
curtains. And, mitten with the feeling curtains. And, smitten with the feeling
that comes to us creatures of routine so rarely-ot what beauty and strangenesg
we let slip by without ever stretching out, hand to grasp it - I got up,
drossed, stole downstairs, and out Never was such a night of trozen
beauty, never such dream-tranquility. The wind had dropped, and the silened
was such that one hardly liked to tread even on the grass. From the lawn and fields there seemed to be a mist risingin truth, the moonlight caught on the
dewy buttercups, and acoss this ghose-
Iy radiance the shadows ot the yew trees 1y radiance the shadows of the yew trees
tellil in dense black bars. Sudenly, I bethought me of the mare. How was
she faring, this marvellous night? Very she flaring. inis marver ous on the the yard, I
soot tiptood across. $A$ A light was surning in
her box. And $I$ could hear her mak her box. And I could hear her mak-
ing the same hall-human noise she had ing the same halt-human no ise who had
nade in the afternoon, as it wondering
nat her telings. and instantly the voice
 of the bearded man talking to her as
one might talk to a child: "Oover, my
ond darrin"; yu've been long enough or that
side. Wa-ay, my swato yu let old Jack turn yu, then !" Then came a scuffing
in the straw, a thud, again the hallt human sigh, and his voice: "Puutt your
-ead to piller, that's my dandy gel. Old Jack wouldn' 'urt yu; no more'n if yu
 breathing could be heard and his cough
and mutter, sa he setlied down ouce
more to his lons vigit. I crept very more to his long vigil. I I crept very
sottly up to the window, but she heard me at once; and at the movemenk ore
head the old fellow sat up, blinking his eyes out of the bush of his grizzled hair


 od out all the tite; and awfuly tired
he looked, grey-tired. "You're a great nurse $!$ " I said at at
last.
"It must be hard work, watching out here all nipht.".
,tis eeves twink ledi they were of that
,ricigt. grey kind through which the soul


at mo a little queerly, fancying, per-
heps, that I wa learing him into some
trap; making sure, too, that I was a real trap; making sure, too, that I was a real
stranger, without power over him, body
or soul-for humble tolk in the conntry or soul-for humble folk in the country
must be careulile then, reassured, and must be carefull then, reassured, and
nodding in his
knowingly is bushy beard, he answered Looding in his bushy beard, he answered
nowingly :-
"'Ah don't think they soes
 for all they zay, a don't think nono of
us goes such a brave way off.
Thereres roorn for all, dead or alive. An' there's
Christians ah've zeen-well, ef they
not dead tor wude then neither not dead for
dumb animals, "And rabbits, suaireis, bi
sects?
How abount the
sects? How about them $?^{\mu}$ corined him
Ho was silent, as if $I$ had carried him a little beyonot the conhanes of his philOsophy, then shook his head:-
o'Tes all a bit dimsy.
But yutch dumb animals, even the laste littlest one, an' yu'll zee they knows a oot
more'n what we dut an' they du's more'n what we du an' they du's
things, the that putto shame on aman
on 's often as not. They've a got that in
em as passes show." And not noticing my stare at that unconscious plagiarism, he added: "Ah'd zunner zet up of a
naight with an 'orse than with an naight with an orse than with an
uman, theyve more zense, and paor
tiene.,
And, stroking the mares, fore tience,'" And, stroking the mare's fore-
head, he added: Now, my dear, time head, he added: "Now, my, dear, time
for yu t " ave yure bottle,", I waited to see her take her draught,
and lay her head down once more on and lay her head down onee more on
the pillow. Then, hoping he would get the piilow. Then, hoping he wouta gel
a sloep, T rose ot go go
"Aw, tes nothin" much,", he said, "this
 come day before yu k koww these buwter-
cup nights cup nights", and twinkling up at me out
of his kindly bearded face, he . settled of hiselk kindy bearded face, he setlled
himselt again into the straw. I stole a look back at his rough figure propped
against the sack, with the mare's head against the sack, with the mare's head
down beside his knee, at her swathed black body and the orld of the straw.
the white walls, and dusky nooks and shadows of that old stable, illumined by the "dimsy" light of the old lantern.
Antl with the sense of having seen some thing holy, I crept away up into the field where I had lingered the day be-
fore, and sat down on the same halt Tore, and sat down on the same hail-
way rock on dawn was.
mon still sailing wide over the moor, way rokk cilose on awn
moon still siling wide over the morr,
and the fiowers of this thuttercup and the fowers of this "buttercup
night" fast closed, not thanen in at all
ald night" Rast closed, not taken in at all
by her cold glory
bot Most silent hour oy har cold tiory Most sitient hour
of al then the soul
slips half out of sheath, hand hovers in slips half out of sheath, and hovers in
the cool; when the spirit is most in tune the cool; when the spirit is most in tune
with what, soon or late, happens to all with what, sin or an an cares least
sirits, hour when and
whether tor no he be alive, as we underwhether or no he be alive, as we under-
stand the word
goes such a brave way ofl-there's
and for all, dead or alive." Though it was almost unbearably colorless, and quiret,
there was warmhth in thinkking of those there was warmt in thinking of those
words of his in the thought, too, ot the
will millis ons of tiving thing snubly asleep
all round; wrmth in realizing that unall round warmth in realizing that un
animityot sleent
Insecte and fowers,
 the troes-away first bird to chirrup, one
ing tor the
had, perhap, even a tronger feeling
than in daytime of the unity and com-
 Wurtherhood of living things that fall all
tototerner into oblivion, and, all to-
gether, wate.
when dawn comes, while moonlight is

of those moments when our supreme im-
portance fades out in the light of a purare spiritual out in the light of a
clear,
with the man, playing his his little not not unvorthy
mart. part, in the great game of Perfection.
But just then began the crowning glory But just then began the crowning glory
that dawn-the opening and lighting of that dawn-the opening and lighting
of the buttercups. Not one did
 den, they were awake, and the fields
once more a blaze of gold. -John Gals once more a blaze of go
worthy, in The Nation.

## Only one Explanation.

## 

 accoraing to a. writer in the DenverNews, told the following story, began by dews, toring it to bo libelous. Neverthe
dess, it is amusing lind ess, it is amusing, and at some time
in the not very distant past, would n the not very distant past, would
have had all the probabilities on the side of its truth.
 Visitod the West on se proloficicol onpedi-
tion. He put up with ar rancher. The tion. He put up with a rancher. The
first night on the ranch he slept in his
lothes, like the res clothes, like the rest of the boys, out of
politeness, but the second night he politeness, but the second night he com
plained about it.

$$
\begin{aligned}
& \text { plained about it. } \\
& \text { ranc can't stand it," he said to the } \\
& \text { rancher. } \text { doont seem to get my rest. } \\
& \text { My boots especialy incommode me.". }
\end{aligned}
$$

$$
\begin{aligned}
& \text { the profoesor slept it it } \\
& \text { nightyown bhimself }
\end{aligned}
$$

At daybreak the night foreman came
ing. while the professor was stili slumber
ing. The foreman cast one glance at
the sleeper, then tiptoed loth, and said
to the rancher:
"Rather sudden, wa'n't it $?$ ".
"What $q$ " the rancher asked.
"Why, the death of the old prot."
"He's not dead." said the rancher 'he's sleepin':
"Then what is he wearin' them b'iled


## Rosies.

There's (By Agnes I. Hanratan There's a rosie show in Derry,
An'a
 But if I had the choosin' Av a rosie prize the day Two al rosie prize the diay, wee rosie
Like he plucked when rakin, Like he plucked when rakin hay
You pink wee rosie in my hair
隹 You pink wee rosie in my hair
He fixt it, troth-an kissed it there:
White gulls wor wheelin' roun' the sky, Down by-down by.
Ay, there's rosles sure in Derry, Ay, there's rosles sure in Derry,
An' there's famous wans in Dow
Och, there's rosies all a-hawkin' Och, there's rosies all a-hawkin'
Through the heart av London town Through the heart av
But if $I$ had the liftin
or the buyin'
Or the buyin' av a few, That's all drenchin wid the dew You pink wee rosies wid the tears!
Och. wet. wet tears !-ay. troth years
$\begin{gathered}\text { Since we kep' rakin' in the hay, } \\ \text { Thon day-thon day. }\end{gathered}$

## SUPERFLCOLS Gilit. During a particularly nasty dust-storm at one of the camps, a recruit ventured to seek shelter in the sacred precincts of

## 

News of the Week The war is now costing Great Britain AB, ono,00 per desy

Twelve thousand German troops are with
sula.

Great Britain is preparing
to carry on
sicale. Each erial wartare on a gigantic scale. Each
 sisting of 23 aeroplanes, on June 15 th aden. ${ }^{2}$ Karisruhe, the capital les were dropped, and many fires brok out, the squadron finally departing with he loss of only two aeroplanes.

Lieut. Reginald A. Warneford, V. ho recently gained fame by destroying
Zeppelin over Belgium, wa killed Zeppelin over Belgium, was killed
June 17 th by a fall from an aeroplane.

A Glasgow munition firm recently sen eight of its men to the front to interview the soldiers in the trenches. Every
where there was a cry for more shells and the workmen have returned as missionaries to beg everywhere for an in crease in all supplies of wa

A British hospital in Northern Frainc was recently shelled by Germans in two
armored autos. The Germans were caparmored autos. Thed and made prisoners.
On June 21 the plant of the Peabody Co.. Walkerville, Ont., was partially destroyed by an explosion believed to be due to a bomb placed by German spies, and an
attempt was made to destroy, in the attempt was made to destroy, in the
same way, the Windsor armory. The police of all other Ontario cities ar arned to witch public building

During the past week there has boen
severe fighting along the entire line from severe fighting along the entire line from
Belgium to the Dardanelles. The Brit ish and Belgians have been on the oflen-
sive about Ypres and in the La Bassee ive about Ypres and in the La Bassee district, and report some sight gaine in
spite of the fact that the Germans have been heavily reinforced...About Arras and in Alsace terrible battles have 'seen ought; on one occasion the French bat-
teries near Neuville fired continuously during 24 hours, an average of over 2 no shells a minute. Many of the towns in Asace have come into possession of the
rench and have regained their former French and have regained their Pormer
names. In Galicia, the Rusians, ow-
ing to iack of munitions and ammuniing to lack of munitions and ammuni-
tion, have been steadily withdrawing beore General Von Mackensen's forces, and ore General Von Mackensen's forces, and
t time of going to press the fall of of
imberg is expected at any moment. Lemberg is expected at any moment. by a determined Germun drive apon
Warsaw.
From Italy, however, two Warsaw. .C. From Italy, however, two brilliant victories over the Austrians are
reported, one at Monte Nero, and the reported, one at
other at
Monte
Plava. other at Plava. These will greatly Trieste...In the Dardanelles region
The events move slowly, the confict ther*
having developed, as in the west, into having developed, as in the west, into
tedious trench warfare, in which the
Australlians and New Zealanders have Australlans and New Zealanders have in Belgium and France. It will be some time yet before Constantinople falls, and it becomes possible
plies into Russia.

The Cow Girl's Adventure
$\qquad$


## OTHILLO <br> HE wonder worker TREASURE RANGE

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Catalogue No THE ADAMS FURNTURE CO., Limited
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We furnish cans and pay all express charges.
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PITO TV I NT
Am now able to make eontracts for Plowing, Disc-
ing. Ditching. Grading and Bara Moving with
my 45 h. p. tractor.
All equipment
45 h . p. tractor. Adl equipment BRUGE F BRADNLEY

## Chiclets

REALLY DELIGHTFUL
THE DAINTY MINT - COVERED CANDY - COATED CHEWING GUM
allowed
back, and then he laid down the horse
to go out and saddle her horse.
Vera was the only child of the
rancher, a young woman of twenty sum-
mers, the cowgirl of the ranch because
she loved the work. A native of the
Canadian Northwest, she had grown up there and loved the prairies intensely, and the care-free life on her father's
large ranch. From early childhood she large ranch. From early childhood she an accomplished and fearless rider. The Fair Valley Ranch was the name
of the Morton's property in Alberta, of the Morton's property in Alberta,
near the foothills, and just beyond were
the Rocky Mountains, with their bewut the Rocky Mountains, with their beautiful and majestic peaks pointing heaven-
ward. But many broad acres lay between the home of the rancher and the
hills. They were of level per which the cattle grazed, roaming at will.
The large herd had been out in the opan and winter, keeping together generally sometimes it was coevered over brass;
light snowfall that they brushed away light snowfall that they brushed away
with their tongues. Vera, prepared for her trip in her
short, brown riding dress with a divided skirt, had the appearance of a girl of易 colored felt that fitted down sofugly on tan
her head and turned face in the front. With a whip in her to her leather bet Indian buckskin gauntlets and left th to meet her father when she went ou bringing up the broncho, an Indian
horse, fleet of thim animal.
In her pocket she had some lumps of mugar as a treat for her Brownie, an
giving him one, she stroked his nos saddle, siting astride. according to the Looking over towards the west she saw a few dark objects apart from the
rest; some of the bunch were strayin
away in the distance. She had no away in the distance. She had no
been mistaken, they were farther awa than before instead of returning to th


JUNE 24, 1915
THE FARMER'S ADVOCATE.
Browrie to its utmost speed to reach a
place of satety. Sop the left the
Indians behind at a asafe distance and Vera glanced back to ascertain it she was being pursued. Some more bullets
had come her way but not one hit her, for after passing the squaw she leaned forward onto Brownie's neck and so escaped them.
That they were guilty people she was
reasonably sure, but her first thought reasonably sure, but he first thought
was to reach home as quickly as possiwas o reach home as quickly as possi-
ble. Love of adventure and novelty was
strong within her, though she had strong within her, though she had
plenty for that day at any rate. For
some time she did not know what direc. tion to take; finally by looking at the mountains she was able to direct her
course. Hours had passed since she course. Hours had passed since she
started out, and no human being except started out, and no human being except
those Indians were seen.
Her heart gave a throb of thankfulness Her heart gave a throb of thankfulness
as she recognized ahead of her the scarlet coat of a Royal Northwest
Mounted Policeman riding leisurely along Mounted Policeman riding leisurely along
on his patrol, in the opposite direction.
Around her neck, inside her waist, she wore a cord to which was attached a
small whistle and this she blew with small whistle and this she blew with all
her might. The policeman heard a faint her might. The policeman heard a faint
sound resembling a whistle behind him, turned around and saw a horse and
rider. rider. He halted his horse to listen.
lera blew the whistle again and he turned and rode quickly towards her.
She hastemed to meet him, then as briefIy as possible related the circumstances
of her search and the Indian's attempt found her story very interesting, and somehow considered it necessary to ask
many questions about the location of port her loss to the others of the force and would endeavor to recover the
ctrayed cattle as soon as possible Irayed cattle as soon as possible. The
Indians would be visited and the premises searched if necessary. 1ho you know if I am on the right trail After considering a few minutes he was reluctant to tell her how far she was
from home, and said he believed she would strike the trail farther on, in the
same direction she had been going. Same direction she had been going.
After he had ridden away she remem bered she had not inquired about the 1t must be long after dinner time she
considered, for she felt so ravenously considered, for she flt so ravenously
hungry. Tired of the saddle after the
strain she had undergone, she dismounted and put her arms around Brownie's
neck and petted him. Some of the :ugar from her pocket she ate herself
and then gave the broncho a couple of A few minutes only she lay flat
ㅇ.n the prairie for a rest, then led the horse to a spring nearby where they
hoth had a drink. Once more in the
saddle she rode leisurely on her homeward way thinking of the policeman and Cow fine looking he was, also how be-
anming his smart uniform was on him.
i hope that he would not fall a victim to the Indian's bullets lingered in her
thind. When she came in sight of the herd on
heir own ranch she went around them and was successful in her endeavor to
drive them where she wanted then, nearer the house.
Never had she been so glad to see her
own home as she was that eventful fternoon. She felt like hurrahing at
 neck in pleasure, and of his own accord
trotted along at a faster gait than beHer mother and father were out in the
vard to meet her, all anxiety to know Why she was so long delayed.
II ve been all the way to the foot-
hills and had a chance to be killed by
aill Indian." mounted. And now I hope my dinner is ready. lera was looking out over the boundnes afternoon when she noticed the red not of mounted policeman approach-
ing, and at once expected to meet her
ew acquaintance. Fhat particular mounted policeeman wis very energetic,
Nudcing by the results in that case, for came bringing the two cows with The Mortons welcomed him cordially,
nvited him in to rest and to relate his
Very retient he seemed to be concerning that

## The People are the Best Judges

## 

 plant no less thezinning of the war? What is it that has compsiled us to enlarge We have won the confidence of the Canandian people and consider it a priceless asset
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| Moffat Cook Book - the Cook Book hat 12, ago Canadian louse <br>  |
| :---: |
|  |  |
|  |  |
|  |  |
|  |  |

## Gossip.

The management of the Toronto Fut
stock Show advise that they intend hold stock Show advise that they intend hold
ing a fat-stock show at the Union Stuck yards, along same lines as last year', and that the dates have been set as Dec 10 and 11, 1915. The premium list w1 be ready for distribution in about three
weeks. W. A. Dryden, of Brooklin, Ont., writes:
."In regard to the young bulls which I In regard to the young bulls which by Archer's Hope $=80017=$, and ar extra good bulls. They are just a year
old this spring, two of them in May; and were rather young to sell earlier in the
season. These bulls are heading stamp, and reveal the character, Hlesh and smoothness of their sire They will be offered at a moderate price,
and should go into breeders' hand and
realize the value of a goorl sire
the that should do the work of a real in-
prover. Many of your readers who wer prover. Many or your readers who were
at Toronto and London last fall will
remember Rare Sort remember Rare Sort $=90497=$ as the
winner of third at Toronto and seconld
at London at London as a junior yearling. He has
been shipped, along with my best senior
bull bull calf, to A. E. Stevenson, Port
Huron, Mich shipment E. L. Robinson, Gowanstown.
Ont.. secured. the rem Ont.. secured the red Lord Mad, Me
$=95843=$ Mr. Robinson did not ree
this bull until he was unloaded at station, and in acknowlenging receipt of
the bul, expressed himself as being
gre greatly pleased with the bull that was
shipped to him. Messrs. $\begin{array}{lll}\text { Ashburn, } & \text { Ont., } & \text { Mossrs. A. \& J. Heron, } \\ =95481=; & \text { Roy } & \text { Wourd } \\ \text { Golden Likht }\end{array}$ =95481=; Roy Ward, Balsam, Ont.,
secured Lancaster Lord $=95837$, and
Frank Batty rank Batty, Brooklin, Ont., bousht
Lancaster Hope $=95836=$ W. C. Rusun berger, Tifin, Ohio, took five young cows
and the junior yearling bull Master ,hilt
=95830- Na Alberta, took four heifers and one bult and James I. Miller, Myrtle, Man., got
a good roan thirteen-months good roan thirteen-months-old bull to
use this summer, and top the Manitolo uss this summer, and top the Manitoba
I'rovincial sale next March at Brandon.
These buyer These buyers all have faith in the blood
of Archer's Hope. Besides these sales, I Cook sixty bulls, all Shorthorns, to Cal
gary, Alberta, in April, and wis nate in making a sale of the whole 1 st
to o one buyer. It is always a pleasire
for me to show my cattle and or me to show my cattle, and if anyone
wishing to visit the herd will make appointment with me I shall be glad to be at home and will make an effort to
have their visit enjoyable and profitable Whether they buy or not. My Shrop-
shire lambs are growing nicely, and we should have a number of well-grown buck
lambs suitable for a limited service tiis

Questions and Answers. Miscellaneous.

Pig and Ducks Die-Horse Coughs 1. Castrated boar June 5; apparentlv
all right until June 7 , whien noticed he
was swollen. Died June 9. Could you
give mee any information how to treat a
case of Cue me any information how to treat a
ase of that kind?
2. Have lost a setting of young ducks 2. Have lost a setting of young ducks.
They were all right when first hatched,
but eyes got sore, kept failing a fuw
days, then died.
2. "e keep ytorses and cows in same

2ubicence
Buy St. Lawrence Granulated Pure
Cane Sugar in original Cane Sugar in original packages,
and get pure, clean, perfect sugar

and feed on mash feed, preferably shorts.
3. Provided the stables are clean and well ventilated, it should have no very
serious effects. Many tohle serious effects. Many stables are so
arranged and the stock does well arranged and the stock does well them separate, but this is not alway practicable.
4. Take
3 4. Take
opium,
ounce pornces pulverized
drams
ounce 1 ounce powdered digitalis,
drams, 1 arsenic acid, 4 ounces powdere iquorice - root. Mix, and make into
powders. Give a powder every powders. Give a powder every night
damp food.
Repeat the prescription

Slow Feathering Chicks. Please tell me the reason why th
Wyandotte chickens do not feather out have lost so many this year. Whe they are about seven weeks old they
seem to take a chill and die very quick
ly. Could I give them anything to help ly. Could I give them anything to help
them ? Ans.-When chicks have arrived at the age of seven weeks they should not sis
fer greatly from chills if they lowed dry quarters in time of rain, an suitable shelter at night. The cockere may exhibit some slowness in feathe ing, but that is apparently natural. any way abnormal in their featherin and would be inclined to think that the
is something wrong in other direction is something wrong in other direction
Plenty of wholesome feed and suita shelter are the chief factors in successtin chick raising. Remove any chicks that
do not appear perfectly healthy do not appear perfectly healthy, and
possible allow the others the run of yard that is fresh, and where poult, has not been confined previously.
the chicks are not with a hen or brooder at night, prepare a hover make it too small. We are inclined think there is nothing wrong with

## Veterinary

Retention of Afterbirth Cow calved on February 23 and
tained the afterbirth for ten days.
is very is very poor, and has not show
cestrum. Ans.-She is suffering from a form
blood poisoning, caused by absorption soome of the decomposed afterbirth. equal parts powdered sulphate of iron
gentian, ginger, and nux vomica a tablespoonful of this with $1 \frac{1}{\frac{1}{2}}$ pi
cold water cold water, add to it 50 drops carbol acid, and give as a drench three tim
daily. When sle improves in health strength astruin will no doubt appear. Fatality in Cattle.
Heifer appeared all right at noon,
About 2 m . m . she began to run around
in circles man . roth in circles and froth from her mouth, and
died about 3 p. m. Next day another
acted the same way. It was all rivht acted the same way. Next day another
It was all right
at night, and next morning was acting at night, and next morning was acting
the same as the first one, and soon died Post-mortems revealed the fourth stomach black. It seemed to be burned; the
lining membrane would all peel off. The
small intestine also was bly small intestine also was black, with in
flammation. There were three other cat
tle with these, and one of theni seaut to be affected. F. W. A.
Ans.-The symptoms and post-mortern
$\qquad$


Purina Chick Feed With Purina Chicken Chowder will
keep your chicks busy and happy. At your dealers. The Chisholm Milling Co., Limite

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Condensed advertisements will be inserted under
this heaning at three conts per word each insertion
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good pure-bred poultry and eggs for sale will find good pure-bred poultry and eggs for sale will find
polenty of customery by isng our adverting
columns. No advertisements inserted for less than
$\mathrm{E}^{\text {NTIRE stock White Rocks, } 2 \text { males, } 7 \text { females; } ; ~}$

Egg
Eggs $\begin{gathered}\text { for } \\ \text { bred } \\ \text { frotching-S.-G. White Leghorne }\end{gathered}$


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ng , such as Farm Properties, Help and Situation TERMS Three cents per word each insertio ach initial counts for one word and figures for
wo
words. Names and addresses are countes
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vertisement inserted for less than 50 cents. O O KORD County Farm for Sale Hundred acre


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 in the Province. Prompt in tremtenareest catis
supplier. Charges paid. References Any worth your while to ship us.
TORONTO CREAMERY Co., LIMITED excellent stock farm for sale 15 miles from Hanmilton 160 acres, For larse barn
bood drive sheds. brick cotage. frame house



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Was to
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machine for the farm machine for the farm house.
A strong statement but a FACT It works Easily, Quickly and
Pertectly under all condit Perrectly under all conditions,
Can be run by Gas, Gasone
Steam Eng in Steam Engine or Windmill power, or operated by hand with
little effort. Very strong, will last a lifetime Cummer-Dowswell $\quad \begin{aligned} & \text { See it at } \\ & \text { your }\end{aligned}$ Limited
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e supply cans and pay all expres
charges within a radius of 100 miles of Berlin. Send a statement of each shipment
Pay every two
write for full particulars.
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Berlin, Canada
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Better Marketing of Wool.




 and is prenared of ocorverative hasis
wool at anyy time up to $J$ July $v$ t.













 a very clean, closely-would be jo pate, hemp
or a paper- lined sack, which will be sup
or plied at cost. In shipping small quanti-
ties, ordinary jute sacks may be ties, ordinary jute sacks may be ised
They should be clean, and turned inside
out to avoid getting the alon to avoid getting the loose fibres
along the seams mixed with the wool.
When full, the sacks should be sewn wit
smooth, smooth, hard twine.
"Shipping-Addressed shipping tags wil be forwarded each consignee to be fill
in, giving actual weights in ench in, giving actual weights in each lot.
Use two tags for each sack; tie one to
fleece inside, and securely fasten one tag to outside of each sack.
""The wool should be absolutely dry at
shearing, and should never subsequently be permitted to become wet. Damp woo
in a storage will ultimately assume yellow color, which will prohibit its use
in the manufacturing of white yarn
Mildew may attack it, which impairs che
censile strength of the fibre. Manalace tensile strength of the fibre. Manufac-
turers greatly dislike wet wool, and rere-
ter not to purchase except at a considerfer not to purchase except at a consider-
able reduction. The wool must be
shipped before July
s.addressed to the Provincial Department of Agriculture and
Immigration."
These are the rules which apply in Chese are the rules which apply in astern sheepmen some




For full information as to lerms. regulations and setlers' rates, write to:
H. A. MACDONELL,

HON. JAS. S. DUFP,
Director of collonization
Parllament Buildingo, TORONTO, ONT. $\begin{gathered}\text { Minister } \\ \text { Of }\end{gathered}$

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BISSEL т．E．BISSBLL Co．，Llmited，Elora，Ont．


 $⿳ 亠 丷 厂$ Impor fed Percheron Stallion




Angus Cattle

[^1]sidney Aker R．R．Ao． 2 St．Williams，On

Questions and Answers． Veterinary．

Stiff Cow
Cow apparently well is very stiff in fore－legs．The stififness epparently ex tanding to her breast．She has failed considerably in yield of milk．
Ans．－The symptams H．M． tism．This is often indicate rheuma damp，lying on cold or damp floors，etc． but frequently occurs without appreci able cause．Keep her dry and comfort drams salicylic acid 3 times daily Bathe the joints of the legs well 3 times daily with hot water，and after bathing rub well with hot camphorated oil．

Spaying－Fatality in Horse．
1．When is the best time to spay a
female dog and how is the operation performed？
2．My horse died suddenly．He was very quiet，did not show symptoms of
pain．Pulse pain．Pulse was imperceptible．He
down and died without a struggle．

Ans．-1. At 6 to 9 months of age． chloriform，and placed on a table with hind quarters elevatted．All instruments，
hands of operator and seat of incision hands of operator and seat of incision
thoroughly disinfected by a 5 per cent． thoroughly disinfected by a 5 per cent．
solution of carbolic acid or other disin－ fectant．An incision is made in the
median line of the abdomen between the first and second teats，exposing the con－ tents of the pelvis．The uterus being
located，each horn is followed up－ wards and the ovaries located and removed by an emasculator．
Most operators now remave the horns of Most oparators now remave the horns of
the uterus also．Then the muscles are sutured with carbolized silk suture and
the ekin then sutured with the same the ekin then sutured with the same
and the patient allowed to the anaesthetic and kept in a thorough－ ly clean place and fed lightly until the wound heals．The operation cannot be performed by an amateur．
2．It would bava 2．It would have required a careful
post mortem by a veterinarian to termine the cause of death．The symip－
coter toms you give are those usually seen
during the latter stages during the latter stages of acute disease，
after the sense of pain has disappeared， atter the sense of pain has disappeared．
No doubt this horse had experienced acute pain，but that stage had passed
before you noticed him，had with before you noticed him，and without
particulars of the symptoms shown in the earlier stages or the holding of a
post mortem it is not possibl post mort
diagnose．

Miscellaneous
－
Obstruction in Teat
veloped a a little lump about the center of
one one of her taats．By putting the siphon
in just a little way the milk runs ireol There is no fever，and the soreness seem，
to be leaving．The cow is on grass，
and le and 1 have taken away her chop and sh＇
is doong fine，but has slackened some in
her mine her milk．Is there anything I can do
to drive away this lump As I said
before，I cannot milk by before，I cannot milk by hand，but the
siphon takes it out．What is the cause
of it，and treatment siphon takes it out．What is the cause
of it，and treatment？
E．A．S． Ans．－－sually such obstructions can
only be removed by an operation．Some－
times a slit is made and the growth re－ times a slit is made and the growth re－
moved，while in some cases the veteri－
nariun will use teat－bistouries of differ－ ent dusigns．In the majority of cates－
it is more profitable to allow the
to go dry and
the predisposition her for the block，as to go dry and fit her for the block，a
the predisposition to such growths i
hirecititary，and hher heifer culves inay
waperimence the same troubles．Withount

Clydesdales ${ }_{\text {Are }}^{\text {That }}$ Clydesdales Three，four and five years of age，prize－winners and champions at Ottawa and
Guelph，up to 2,100 lbs．in weight，with the highest quality When buying a stallion get the best，we have them；also several big，well bred， SMITH \＆RICHARDSON，COLUMBUS，ONTARIO

$\underset{\text { LIANDED }}{\text { LUST }}$ CLYDESDALE STALLIONS JUST

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of his sons out of R．O．P dams also Shorthorns and dersey females offial records is our specialty．
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STOR
$\qquad$
G．E．MORDEN \＆SON，－－OAKVIILE，ONTARIO
Stock Farm Herthorns and Leicester Sheep．
 James Douglas，Caledonia，Ont
 R．J．DOYLE，－Owen Sound，Ontario

SHORTHORNS stuman
decided to sell the old bull Mildred＇s Royal． $\begin{aligned} & \text { Eood dams and heavy milkers，and we have } \\ & \text { Geoiers about all sold } \\ & \text { Geor }\end{aligned}$ Gier Sonaldemar，Ontaric
R．R．No． 1


## Billy Sunday

Says:"I $\mathrm{I}_{\text {that whonld dit to.ntinh }}$ me the most conitort, niext to me faith would br be
 safety deposit vault in
Chicago ife insurance
papers paid for papers paid for up to date
and $m y$ wife could cash and my wife could cash
them in and she and the them in and she and the
babies could listen without fear to the wolves' howl for a good many years. Billy hits the nail spuarely on
tie head. Nothing tends to pro-



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Ferkllizer you should uso and the oxact composititon of lit. Your oopy The W. A. FREEMAN CO. Led

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## SHORTHORNS

 and steers that will be market toppers and the prices are so low it will pay you
to buy. Come and see them.
tewart M. Graham - Lindsay, Ont.

## Spring Valley Shorthorns



Oakland-60-Shorthorns
 John Elder \& Non, big prices. Hensall, Ontario

## SHORTHORNS

 $\begin{gathered}\text { heifers for sale. } \\ \text { Pedigreas.e. }\end{gathered} \begin{gathered}\text { Good individuals. } \\ \text { Inspection } \\ \text { D. } \\ \text { DENFIICLEd. }\end{gathered}$
J. T. GIBSON 6 SHORTHORN BULLS 25 females, reds and roans, serviceable, best type
and uuality, size; Prows miliking up to 50 libe. Thomas Graham, R.R. No. 3, Port Perry, Ont FLETCHER'S SHORTHORNS Present oftering 3 choice roan bulls fre for servic
High c-cass h herd headers, and females in calf.
$\frac{\text { L.D. Phone. Erin Sta., C.P.R }}{3 \text { Shorthorn Bulls for Sale-One white }}$ ild price s125. One choice shed bull 16 mos. mos.
ind
one roan show bull 13 mos.
Breeding of the OHin McLEAN, \& SoN,
Shorthorns $\begin{aligned} & \text { and Shine - Have sone } \\ & \text { ance young bull sor some }\end{aligned}$ AVDREW GROFF, R.R. No. A, ELORA, ONT.

Questions and Answers.
Miscellaneoue
A Weed Not Harmful.
Kindly let me know the name of weed enclosed. Cows are very fond of it; will
it harm them? We have a lot of it. Ans.-This is a young plant, or branch which one without We cannot sa specimen. They are a group of plants
that favor seashores or saline lands.
that One of them, sometimes called Mountain gardens as a pot-herb. As food, the will not injure humans or cattle. J. D.
Would you kindly let me know, through
the pages of your valuable paper, the
best treatment for stocking in the right best treatment for stocking in the righ
hind leg of a registered Clydesdale mare bought her. After keeping har when stable a tew. After keeping her in. th
about tays her leg swelled up Ans.-Some horses are predisposed
this trouble. Those having meaty and coarse and lacking in quality, ver
often show this trouble. Turn the out to grass, or give her regular exercise a work. Give a purgative of from 6
to 10 drams aloes and 2 drams ginger After the bowels have regained their
normal condition, give a dessertspoonful of saltpetre once daily for three or four
days to act on the kidneys. Hand rut the togs, and, as stated, get the mar feed rolled oats and bran.

## A Refractory School Garden

 The soil in our school garden is fairlyproductive, but it is very troublesome on account of its cracking after every rain.
It bakes, and has to be worked over at once. Can anything be done to preveut
this undesirable condition? Ans.--Under drainage and more humus
are the chief requirements of the soil. are the chief requirements of the soil.
If there is an outlet handy, it would no doubt pay to put in a couple of tile
drains and drain the land thoroughly. Under ordinary field conditions, one could
probably improve the by plowing down clovers or green srops of some kind. However, in a school
garden it is probable that plenty of manure is the most practical way of in-
proving the condition plenty of under-drainage and suffcient
humus in the land, the cracking humus in the land, the cracking and bak-
ing can be overcome to a large extent. Conditions of Lease-Trouble Over
Holiday. Holiday.
and at the time of agreement B sai that he might sell at any time, but no mention was made to that effect when
the indenture was signed. About two
months after signing indenture, Lo C.

1. Had B any right to sell till expira ion of lease?
with anything A does on the said farm, or to cancel any verbal agreement madi
between A and B? 3. Is A responsible to $B$ or to C for
rent. or anything connected with lease? 4. A hires to B for eight months, fron
April 1, for $\$ 180$ On One 24 th of May,
A said he was taking the holidoy, told him if he did so he could leave," went back next day, when B would onl
pay him for the time he had worked


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C.TRand C.PR.






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 and
 H. SMITH, - HAY P.O., ONT.

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"Thistle Ha" "uraseveva


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©$\$ 1 \begin{aligned} & \text { Per Set } \\ & \text { Delivered } \\ & \text { to Neares } \\ & \text { Railroad } \\ & \text { Station }\end{aligned}$ Ontation 28 －Inch and 32 －inch dia－
meter， 4 －linch by 3 －linch
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## HOLSTEIN BULLS

Trelve months and under from R．O．P．and R．O Setyicate and＂King Fayne Segis Clothilde． R．R．M．HOLTBY R．R．No．4，Port Perry，Ontario There Is a Vast Difference Between Keeping HOLSTEINS Cod futh teeplag cows ONE GOOD HOLSTEIN
THREE ORL DO THE WORK OF TWO OR Thiree ORDINARY COWS．You save in feed． houenting，risk and labor．Holstein cows milk
longer，more per year，and more per life than any
other breed．There＇s money for you in Holsteing． Sec＇s H．－F．Association，St．George，Ontario
Maple Grove Holsteins
 II．Bollert，R．R．Mo．1，Tavistock

## The Maples Hoistein Herd

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 wred ABETT，MOSSLEET，ONT．，R．R．No． 1

THE FARMER＇S ADVOCATE．

## PA A Poulitry <br> Depent on the Condion orno

Would you please give us a twentv－
share beef－ring chart，
through your share b
paper ？

## 

 Ans．chart．
Fertilizer for Wheat I have a field that $I$ sowed with grass
seed last spring，and $I$ find now that is not going to be worth leaving．
would plow it up and so have no manure to put on it，as all the
manure went what about buying fertilizer？n never ased any，and therefore do not know 1．What do you think of fertilizer？ 1s it equal to barn－yard manure ？
2．Is it only good for 3．Wourly good for one crop ？ 3．Would it pay to buy fertilizer to
put on land to grow wheat at $\$ 1$ per
bushel
4．What would be the cost per acre i ．Where is the best place to get it？ 6．How much should be put on per
acre to be equal to a coat of manure？ 7．How do you apply it？Can it the
put on with seed drill？ Ans．-1 ．This is a diffcult question． mere are so many bertilizers and so
many different conditions．A great deal depends upon the needs of the particular
soil and the crop．With general aarm crops on an average farm，nothing beats there are cases where artificial fertilizers may be used to advantage，and yours may be one of them．
2．This depends somewhat on the ma－ erial used，but a complete fertilizer will
influence more than one crop． 3．Under certain conditions it might． 4．Possibly from $\$ 5$ to $\$ 10$ per crere，
according to application and materint nsed．Mans firms advertise in these col－ 6．This we cannot say．A good dress－
6． ing would be 80 liss．nitrate of soda． 250
lbs．aciul phospliate，and 70 ibs．muriate of potush．The last named would be
hard to get．Mrims advertising ready－
nixed fertilizer colla kive you tigures and particulars abont their particular

## Cutworms Destroying Garden． Will you kindly advise me，through your interesting paper，how to success cully combat cutworms．In my garden bers，and cauliflower．These the wor $\begin{aligned} & \text { persists in destroying．} \\ & \text { have replanted three times．}\end{aligned}$ The melons R．L．J． Ans．- In these columns a query is an Field．＂The mixture of poisoned bran described there is garden conditions． $\begin{gathered}\text { more applicable to } \\ \text { Smaller quantities，}\end{gathered}$ Sut in the proportion of 1 lb ．of Pari There is danger to fowl when this mix ture is spread． <br> 20－share Beef－ring Chart． <br> Questions and Answers． Miscellaneous．

Ans．－Herewith we publish the desirod

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Suny Hill Holsteims ${ }^{\text {caw w }}$＝



B．H．BULL \＆SO


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lot
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from winners and chammions.
DeCoursev. R R TAMWORTHS HERBERT Iitery GERMAN. ST. GEORGE. ONT Elmfield Yorkshires ifew younksows



Chester White Swine


## Big Yields Expected

 11 press bulletin issued at ottawa Juneby the Census and Statistics office is of special interest as giving the preice imi
nary estimate of the area son to
nre nary estimate of the area sown to «rain
crops in Canada for the present season, and the condition of these crops on May 31, as reported by correspondents. 'Th
reports received show that in the Maritime Provinces cold and rainy weather during
May delayed farm work, and of the month a good deal of seading had stin to be completed. In Quebec ing after the exceptionally warm weathe provinces the frosts injured pastures, but
did little damage the Northwest Provinces growth In checked somewhat by cold and frost; nights, but, on the whole conditions con
tinue to be favorable. In some part of Manitoba and Saskatchewan the nee of rain was being felt. In Alberta an
British Columbia the condition of the grain crops was generally favorable.
Wheat is estian a total area of $12,896,000$ acres, which
is more cent., than the area sown for 1914, and Hore by $2,602,100$ acres, or 25 per cellt
than the area harvested in 1914, tin area sown for last year having been re
duced by 939600 acres, the estimated
acgregate aggregate of total failures through th winter-killing of fall wheat (211,50
acres), and through drouth affecting wheat (i28,100 acres). Not only is the "heat area this year, under the double prices, $2 \overline{5}$ par centic impulse and hish year's harvested area. but it is of las the
largest area ever sown to ada.
to be 1,208, 700 acres. of fall-sown whe at is 300 acres having been sown of 11,687 ,
Vhillst in the wheat area., it is the three North west provinces which preponderate in the
national effort to produce more wheat The total area sown to wheat in thes
provinces is $11,659,700$ acres, crease over last year's harvested area of
$2,324,300$ acres, or 25 per cent. Manitoba the area is $3,166,900$ acres, an it is $6,642,100$ acres, a an increase of 2
per cent., and per cent., and in Alberta it is $1,850,71 \prime \prime$
acres, an increase of 35 per cent more than half of the total wheat rea
of Canada is in the single province Saskatchewan.
area in Canada of $11,427,000$ acres, an
increase over last year', bo of $1,365,500$ acres, or 13 per cent.; bar
$\qquad$
$\qquad$ 463,300 acres; hay and clover $7,788,40$ ach
 Measured in percentage of a standar rain crops were reported as showing oats and barley 92 , rye 91 , peas 93 , un 86, pastures and alfalfa with clover with 87 are no so kood, these crops having suffered from ton for the principal of staindard condihe past five years 1910-1914, the re
bult,--assuming comditions between now veldis an anticipated increase in the and 2 an pernt for rye spreng whent
$\qquad$
$\qquad$
$\qquad$
$\qquad$



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## THE FARMER'S ADVOCATE

# Contents of The Farmer's Advocate and Home Magazine 

JANUARY 7 TO JUNE 24, 1915

 Potatoes............. ....................
Political Economy : What tit Teaches.
Political Situation: The Political Economy : What it Teaches.
Pot
Political Situation: The............... 673
Posts : Keeping, From Heaving.......
844
Potash in Potash in America: Some................ 294
Potatoes : Profitable............... 118 Power: Use Your Own..................
Preparing Land for Crop Produc Preparing the Land and Sowing the Produce More...... ............... .................... 241 Production: Conditions of ............

Radial Railways: A Farmer Dis Radio-active Fertilizer Red Clover Seed Situation:- The Reforestation in one Generation....
Repairs : Make, Early....... Repairs
Review : Revads:
Roll the Sandy as a Jurist ............
Sandy Sentimentalizes.....
"Sandy" Sets an Example Sandy" Sets an Example...................... Seeds : Litit Time of
Seed and Flour Question in Now.
 Septic Tank..................................
Sewage : Disposal of, on Farm...
 Smalt Engine Runs a Grinder: Soft Water in Hou Soils and What They are..................................... Spring: What
the Farmers.
Stable: An ©p-to-date
Stick to Good Cultivation and
Stone Silo....
Stone Silo........
Stop Squealing

## Tapping on Wood Telephone Trouble

Test the Seed Cor.................................. 38
The Time for Thinklng and Tinker
 Cent. Seed, Cows and Hogs..
To the Land-To the Land To the Land-To the Land !..........
Trees: A Law to Save............
Treatment Too Strong Treatment Tao Strong :.................
Twitch : Experience with............. Twitch: Killing...

Use Wide
Hired Carieties of Farm Crops Found the
Best Best .......... ..................... ..............
 War as a Cleanser........................................... 241
Weed: The Worst in Ontario...... 802
Weed Eradication: Experimenta in. Weed Eradication: Experiments in. 483 Whiffetrees: A saving on..................
 Willing and Satisfiod
Wood Ashes : Wasted
Wood Ashes : Wasted........
ood Ashes as a Fertilizer oodlot: The Fall Woodlot: The,-a True Friend of 199
-............ 8

Horse
Abortion in Mares: Contagious...... Action: Importance of, in horse
Breeting......715
382
Canadian Horses: Keep up the Stan-
dard of Hor.......................... 915
Collar: It is all the............. 433
Colt Must Earn His Keep : The...... 987
Cut out the Culls..................... 89 ..... Training for Horses
Wonderful War Horses.
horticulture.
Diarrhoea in Foals...................
Drafter and the City Horse Market:
The........ ..... 798
713

  Apple Barrel it Standard Americ
Apple Packnaces.Asparagus: A Few SuggestionsAsparagus: A Few SuggestionsAsparagus: Winter Care of.................
Asparagus Plantations from seed-Association vs. Member Re selling
Apples Outside the Society.............. 488
Associations.
Beautifying Farm Home761
.718
Hackney Breeding Stimulating.. Hackney Breeding: Stimulating........
Handling: Never Neglect.............
Handy Swing-manger and WateringSystem
Hay Fe${ }_{\mathrm{H}}^{\mathrm{H}}$Hay Twic
Heaves..
ice a Day
Calendar: The Farmer's...
Celery Blight is Reing Con Celery Blight is Being Con
Codling Worm: Swat theHorses: More, Will be Needed........... 800
Horses Kick, Who Hos
11018 Horses Kick, Who Has a Remedy?. 151

$$
\begin{aligned}
& \text { Horses Kicking in the Stable......... } \\
& \text { Horsebreeding : Federal Assistance } \\
& \text { to............ }
\end{aligned}
$$

Idle Horses: Prepare, for Spring
Work.....
Khaki Horses Turn Green...Legs, Weight, Form and Quality of
the Drafter..... ........... ............ 799
Dark, Dark Side of it : TheFall Planting: Opinions Regarding.
Fewer Varieties for the Orchardists..Fewer Varieties for the Orchardists.
Forcing Vegetables in the Cellar....Forcing Vegetables in the Cellar..... 48
Freight Rates...................

$$
\begin{aligned}
& \text { Horse Prospects Brighten............... } 878 \\
& \text { Horse Question : The........... } 337 \\
& \text { Horse Stablo }
\end{aligned}
$$


Joint-ill in Foals:
Joint-ill in Foals:
Joint-ill, Navel-ill or Septic Arthri-
tisKicker: Put Garters on the........... 434
Kicker was Stopped, How a......... 337
Kicking : Preventing ................. 337
Leaking Navel in Foals................ 843
egs, Weight, Form and Quality of
Life of a Horse: The
London's Shire Horse Show in warFreight Rates..... ........................
Fruit Growing: The Needs of......
Fruit Prospects
Bright in BritishColumbia............. .......... ............ 846
$\underset{\text { Ghar }}{\text { Th }}$ Them Gesten Pests and How to...............Tratin..................................
inItalian Tomato : The...... .................. ${ }^{3}$387
Lime-sulphur: Dilution of, Made
Easy......New Tops. for old......................
Nicotine: Growing for Spraying Pur-
poses..... ........

C Onion Growers Produce a Crop:| .. 387 |
| :--- |
| $\times$. |

Main
The ..... ................................... 43
Mares do not Breed Regularly: Why. 194
Pansles : Forcing …....................... 388
Peach Country: Through the, in
Blossom Time...........................
Peach Diseases : Experience Inspect-
Ing for
76 Pears and Small Fruits are Trumps:Where.................................... ..... 843
843
843
843 Persistence of the Urachus...
Pervious Urachus
Ration for Fattening MorsesRemounts : The Demand for............
Retention of the Neconium or Co.... 379Pruning and Spraying DemonstrationPuning and Spraying Demonstration
in Middlesex Co. : Report
 Quantity of Seed Reguired tor
Garden Crons
Reclaim or Destroy...... .................... 298
San Jose Scale: When and How
to Fight...............................
Seed : Importance of Good............... 2
Seedsmen : Prompt and Carelul
ceadmen : Prompt and Careful......... 535Seed Sowing: Dep
Spray Calendar.....Sprayer: A Home-made................... 487

Tomatoes: Growing, for the Early
Market.............. Market..... .................................. 47
Tomatoes : Transplanting .......... 388
Tomato Plants Tomato Plants: Growing Young, 288 for Early Use............................ 246
Tomato Plants in British Col Tomato Plants in British Columbia:
Preparing...... Preparing..... .i.i....................... 761
Turnip Crop : insect Test of the.... 918 Varieties That Will sell................. 675
 Garden ' Varieties of................... 486
What is Wrong? ?...................... 805
Women in the Garden …............ 438Yellows and Little Ieach ................
Young Trees : Watch the .............

## hllustrations

```
Aberdeen - Angus - Shorthorn Cross-
bred Baby Beel....................
```

88
Adbolton St. Mary........ .................... ${ }^{939}$
Admiralty Harbor, Dover, England.. 233
Admiralty Harbor, Dover, Engnland..... 239
Afording Both Space and Dignity.... 49
An Inviting Spot ........................... 1016
Anticipator............
Anticipator...... ........ ........... .............. 379
Arc de Tris.
Ariomphe, Paris................
5.5
Archer's Hope....
Army Worms : Mature..................................... 917
Asparagus : A Field of Young......... 1020
As Seen in England......................... 530
As seen in Scotland................ 529
As seen in Scotland........................ 529
yard: These........ ............ ........... 810
Auchencloigh Pearlstone ...................... 844
Austrian Cavalry Patrol Crossing
the River............ 919
the River.................................... 588
Australians, Our Fellow Colonials,
Australians, Our Fellow Colonials,
Drilling at Romsey.
tyrshire at the Asr Show, Scotland:
Ayrshire at the Ayr Show, Scotland:
A Winning....................................
882
Barn Recently Built by Robt. Baty,
Middlesex Co., Ont.: Exterior View
Middlesex Co., Ont.: Exterior View
of........................... ............... 629
Of.............................................. ${ }^{629} 9$
Barn on
Barn Plans. B. Thomson's Farm

Barrington......................................... 7 It
Battery of Heavy Servian Field
Battery of Heavy Servian Field
Artillery in Action................... 63.5
Bedroom: A Action................................... ${ }^{412}$
Belgian Officer............................. 195
Belgian Officer Mi....................
Berne : How Mik is Delivered in...
Berne:
Berne,
Typical Street
Switzerland :
Scene in.......
Government
Berne, Switzerland: Government
Buildings in.
Berne, Switzerland: The Main Street

Beef Animal: A Desirable Expres-
sion for a.....
Beef Maker :
Beef Maker: The........................... 671
Beef-ring Chart: Twenty-share..... $10: 10$

Birch Planted Too Wide Apart.......... 81013
Blaisdon
Blossoms of Calyces Open and
Ready to Spray....... ................ 88

Boiled Ham With Cabbage Salad..... 853
Border of Plants at the Agricultural
Border of Plants at the Agricultural
College, Guelph : A Fine........... 891
Crailege, Guelph: A Fine.............. ${ }^{89}$
Fashion......
Braided Rugs Are Much in Fashion
Again ..................................... $10 n$

Broadhooks Ringleader........................... ${ }_{951}{ }^{20}$
Brodiaea Grandifora ................................... 430
Calyces Nearly Closed: Getting
Rather Late to Spray............. 883
Canada Needs More of These......... 571
Canada Needs More of These............ ${ }_{571}$
Canadian Building at the Panama-
628
Pacific............t... Rifles-A Line-up ${ }^{6}$
Canadian Mounted Rifles-A Line-up
on Toronto Exhibition Grounds.... ${ }_{5}^{433}$
anadian Nurses at Shorncliffe....... 539
Carton for One Dozen Eggs: A 920
Cartons in a Thirty-dozen, Case....... ${ }_{43}^{920}$
Cartons in a Thirty-dozen, Case........ ${ }^{920}$
Cavalry Remounts..................... ${ }_{23}$
Cha
Cherub in the Cage: The................ ${ }^{723}$
Chicks: Where 180 were Brooded.. 955
Chickens and Fruit Make a Good 920
Chickens and Fruit Make a Good
Combination..............................
630


## 1048

THE FARMER'S ADVOCATE.

$\qquad$
(iood Roads: Canadians liscuss at
Toronto
(Gradnates From o. A. C. I Iarce

Grand Trunk Pacific: The Completee
and the 1915, Crop.
Guelph Sale : The
(Guernsey Cattle Slaukhtered: Valluabe....

## Having Missed a Train

Heifer Cows: Raising Ro..............
Holsten Sale:
Holstein Sale: The TRoyalton Holstein Sale: The "Royalton
Horses : Have Stoped Buying
Horse Show Horse Show Cancelled.....
Horticulture. Fare Horticulture' Free Short Course in.
Huntingdon Dairymen's Kennedy Sale : The Kennedy Sale: The.................
Lawless Holstein Sale: The....... Lawless Holstein Sale: Th
Lightning Rods: Inferior Lightning
Locusts is
Lolling :
Lolling : A Cure for. Long-distance Telephor

Manufacturer
: A Note to the
Manufacture
McArthur
Manding Rore ale: the .....
Manding Bags and Other Things...
Migratory Birds: Do the, Return
-Their Former Homes?
Moisture : Keep the, in......................... 807
More Moonshine...
Myrtry Iodge .
Myrtry Lodge
$\qquad$
$\qquad$ 301
29.8
20
189
807
8


$\qquad$

 22
 (1). 1. $\begin{array}{r}293 \\ 8 \\ \hline 8\end{array}$ On the Farm
Ontario Apples win deain ……....
 Ontario Co.. Ont: Conditions in......
Ontario's Cron Pruspects 18
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119
16.5 Signs
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The Key to Success Editor "The Farmer's Advocate": There are many and various keys whic there is open the door to success, but
the 1 believe to be master kes. As I was reading my "Farmer's Advo cate this weok, my attention was drawn
to the truth of the motto whicun printed below the heading on the tront page- "Perseverere and Succeed"- the tront
prite phaught struckere and succeed"-and the that here was the
thoug master key for any ambitious farmer PERSEVERE,- and if he perseveres Then way he is bound to succeed this: How many farmers there are who
take up "The Firmer
and take up "The Farmer's Advocate," and words on the fron page, small words,
but how large they pase There they stand are in signififance. staring at us week ontter week, and page. how
many of us have noticed them, many of us have noticed them, or it we
have, how many have stopped to realizo their truwh? many have stopped to realizo
If only every one of us that word "Persevere". to heart, there
would not be so many ter would not bi so many farmers, who, at
the end of life, would have to look back and say, as Robert Service has so aptly
put it in one ont his put it in one of his poems :

- My life was a problem in ciphers,
weary and proftess sum Shiftless and spupidess 1 worked it, dazed
by negation and by negation and doubt,
Ciphers the total oontronts me; o, Death
with Thy moistened thumb


There are many, who, the they tovk back, find they have made a failure of
life just beocause they have let things slip and slide and have taken life just
as they found it
 but also in personal efort. There
are a few, howerer, who come the the end and ind themeilves just where they
were when they tanted were when they started, although they
have put their whole heart into their work-farmers who have persevered, but
owing to certain difflyultien seen disasters (and the farm holds these
in store), have been in nstore), have been unable to more than
hold their wow, and we feel compelled to
take take our hats off to such men. you take farming in general you will
always find that the man who succeeds is the man who has persevered not only
in working his land and trrying to prove it, but who has also persevered in
accuiring
newer, better mether aacquiring newer, better methods, and in
observing how he may improve his farm. As an agricultural magazine, "The
Farmer's Advocate" has lived motto. Now it is up to the farmer
who wishes to make good, to live up to the same motto, and since "The Advo
cate" invites suggestions, I would suy that those two words-"Persevere and
Succeed"-should not be hidden away there under the title in small print, but where they miven a ptimace of prominence time the farmer who is tompted to give
up because he is having such a hard time
to make to make ends meet. Let him persevere
in every sense of the word, and he will find that success will reward his efrorts. Elgin Co., Ont, [Note-All the good things are nut
set up in bold type. -Editor


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