## PUBLISHED EVERY WEEK.



## FROSTFENCETARGET <br> Others Alim to Make Their Products Up to the Same Standard, But Do They?

Every farmer, no matter what he is about to parchase, compares it in his mind with another article of the same kind. This comparison is always made ejeher thinkjigly or unthinkingly, but it is there and is most human.
In fence talk, Frost Fence is that standard. Wo tell you that you need onlyo to meaqure these pther fences by this standard, and you'll be starting righ.
You afe not asked to believe that other fences cannot be madd as good as Frost Fences, but we , o say that it is impossible to make as good fence on anything near as good at the prices at which other Do you expect anything more than suppose that you can get something tically what is bffered yфu - fences enough to cove actual dost. This to be made to line up with Frost
 fences are offered to you.

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of the cheap fence trade mark---bowed stays. The fact that it is straight and flat when being first unolled is the best proof of this

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THE FARMERS ADVOCATE
THIRTY-FIRST ANNUAL

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## To Farmers

SPRING 1915
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## WHO BENEFTTS?

The value of Canadian farm-products is greater this year than ever before. Prices are higher, and farmers bid fair to be in a better position than ever.

At present this is a direct result of the war. But, a year,
or two years, from now will it still contine? or two years, from now will it still continue?
It will if you help it to. It will if you support the market or your produce
That market is the towns and cities of Canada, populated by Canada's factory workers. By buying goods "Made in Canada" you support those workers, you build a permanent, substantial market for your produce

Investigate Canadian - made goods every time you make a purchase you yourself will be benefited by the betterment of Canadian
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THE BERLIN CREAMERY COMPANY bERLIN, CANADA


$1+2+2+1$

## EDITORIAL.

this winter
A clean, sweet manger is a great "appetizer"
for the stock.
The sewing circle
fort of the soldiers
Everyone says, "It has been a great fall," and atill there is plenty of work to do
If it were not for the padded war news sheets some of us would not neglect our
Added to the feeders troubles came the closing of the
States.
Every stable should be kept disinfected, and extra precautions taken to ensure good health among the stock in this time of danger.
Canadian stockmen will give their undivided support to our Federal authorities in their effort to keep foot and mouth disease out of this

Enlist in the army of agricultural recruits and plan to conquer the earth, and make it yield up abundantly to feed our soldiers at the front and those in need at home.
The foot and mouth outbreak is just another avidence that the stockman must be on the alert, and that his business has unseen dangers which
demand his best attention.

The Belgians saved the day in the beginning of the war. It is Canada's turn now to forward all the relief possible. Why not induce some of these good people to settle in this country?
There is a great deal of talk about breaking output new lands in Canada to increase crop output. Much more labor could profitably be only one-hal lands already under cultivation, but only one-half worked because of lack of help.
It does not help business to grumble; comaining of prices will not stiffen the market; grouching about the weather will not finish the sults of the worrying and talking about the reIt must not be forgotten that a nation's success or failure often depends as much on the way on the of battle way her brave soldiers fight on the field against . Push business; it is an effective weapon

The sacrifice of the man who puts extra effort into increasing food production may not be as great as that of the man who fights in the would it profit us to be jave as necessary. What der arms and nothing to feed them?
Every Live-stock man in Canada should do all
he can to country, and foot and mouth disease out of this States, and to help stamp it out of the United of stock from place to place, and watch all avenues of possiblace to place, and watch all

## An Unwarranted Attack

Readers who have been following the daily press, and who are familiar with the facts of the
case, are very indignant case, are very indignant over the unfair and
downright mean attacks on Prof the Ontario Agricultural College, Professor of Field Husbandry, and, in the absence of President A difference of opinion arose bet the Institution. students and Prof. Zavitz over the advisability of military training at the O. A. C. Prof. Zavitz not favoring the idea which met the approval of the Minister of Agriculture, he promptly resigned as acting President, whereupon the matter was satisfactorily adjusted by Government heads at the afor went on. Nilitary drill difficulty Nol satisted with the solution of the Prof. Zavitz and formed themselves into a deputation and went to Toronto demanding that Prof Zavitz be we resign from the staff, and if he did asked to mediately comply with the request that he be summarily dismissed. Their petitions to the Government failing, they turned to the press in a vain effort to oust the man for whom the axe had been prepared. The absurdity of the movement made it scarcely worthy of comment. After all had been settled and both sides of the political press had editorially made it plain that Prof. Lavitz is too a man to lose under any Professer carried further was simply arainst the Professor carried further was simply ridiculous. in America no for field crops in Cona experimenter. Farmers know any other living few of the citizens of Guelph do not, Better even thran this, we have it on good authority that the students at the O. A. C. felt so strongly on the matter that they as a body memorialized the Government that under no conditions wouid they countenance Prof. Zavitz' removal. We know hundreds of ex-students who feel the same. The Government had alreadv recornized his worth. With the Government of the Province, the farmers of the Province, and the students and ex-students of the O. A. C hehind him, Professor 7 avitz is solid, and the uncalled-for scathing criticisms of a few heelers should not under anv conditions be allowed to disrunt the hest acricultural coilege in cedure would soon check and hamper the good work of the Institution.

A Serious Live-stock Situation. The seriousness of the outbreak of foot and
mouth disease in the United States has beon impressed unon those who ane in touch with the situation. At time of writing, Nov. 10th, thireen States are infected and quarantined. Stockmen on this side of the line should lose no opporease from spreading into this country. Our cars are teing stopped at the boundary and thor oughly disinfected and, of course, rigid quarantine regulations are placed on all stock from the placed on the whole of the United States and for the next six months no cattle, sheep, swine or goats or flesh, hides, hoofs, horns or other parts of such animals other than cured meats, lard and Buffalo but at time of writing are dropping in
fallow, or hay, straw, fodder or manure will be Canada's large cities. The closing of the outlet

Republic to enter Canada from the neighboring Republic.
The United States too has placed an embargo on Canadian cattle entering that country so that trade is brought to a standstill in cattle, sheep This is certainly Canada and the United States. will, no doubt, cause a downward stockmen and market values. Feeders and owners of stocker and feeder cattle for sale should be careful at this time. Nothing will be gained by rushing large numbers of live stock to our markets, while those to the south of us are closed, because undoubtedly prices will slacken and trade slow up appreciably. It may be that the cold weather coming on and the rigid steps which are being control in amp out the disease will have it in that it will and stockmen would be wise to wape a short time, at least, before rushing the stock to market. In fact thene should be no big rush as this is. what pulls the market down below the profitable level. The disease has not, at time of writing, gained a foot-hold in Canada and it is still likely that with the support of all stockmen, the authorities will be able to keep it out of this country. This being true there is no
great cause for alarm. However, rier is added between the feeder one mone barFeed is high in price this season and it was going to be a hard enough proposition to make anything like a fair profit on feeding cattle without any unforeseen danger of this kind creeping in to disrupt trade and up-set market conditions. There is a danger that a grave injury may be done to the live-stock end of farming in this country, at this time. The agitation to grow more wheat has been pushed with vigor and anything which m litates against live stock prices in the end would prone isatrous industry which known fact that thore is a shortage of a wellthe world over and this shortage is increasing in magnitude daily. Stockmen in Canada should keep their stables clean, disinfected, and should take every precaution to bar out any form of disease and we feel sure that in a short time conditions will the cleared up, markets open and everything progressing favorably.

Some idea of what it means to close such stock yards as Buffalo and Chicago may be had from Yards has talpen in 33,501 cat 1 le , 1,803 calves 87,716 hogs and 26.999 sheep, to say nothing of 838 horses or a grand total of 150,357 animals in 2,933 cars. Of this num'er a large pronortion was shipped East alive to be s'aughtered for export, namolv 10,063 catt'e, 28 cal $r$ re, 21,138 hogs, 6,469 sheep and 109 horses or a total of 37,807 animals. This was a big day and it gives readers some idea of what is handled at these yards and what it means not only to local but
to export trade to have them clos $n$. The Buffalo to export trade to have them closod. The Buffalo ards handle about 350 carloads of stock per day,
including as high as 4,875 head of cat'le, 13,600 head of hogs, 14,000 sheep and 1,250 calves. This market has been receiving large consignments of Canadian stocker, feeder and fintshed cattle, and like Chicago large shipments of stock are made East for killing and to different Statea in the Union for feeding and finishing. As a result of the quarantine no business will be done in these yards and no shirments from Canada are allowed to go into any part of the United States

The Farmer's Advocate Farmer and Manufacturer Getting AND HOME MAGAZINE.

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Jomin Wetid, Manag
Agente for "The Fe
maer's Advocate and
Winipeg, Hane Journal,

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a. ADVEBTIBINO RaTMas.- Single Ingertion, 25 conta per line,




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of meat to the United States would ting off a market of approximately mean cutworth of live stock annually. These figures will sorve to bring home to the stockman the necessity of doing all in his power to keep his herds and locks free from the disease and it will also sorve to Dopartment, at Ottawa, in taking all precautions Regulations cannot be made too rigid country. auch care cannot be taken to confine the diseas to the areas already infected and to aid in We would at entirely
Weng it
We would caution breeders and feeders not to lose their heads and to watch the market condiNothing can being careful to avoid over-supply Nothing can be gained by indiscriminately rushing cattie to market in the hope of getting them sold
before the prices drop or the disease develops. before the prices drop or the risease develops,
This will be the surest cause of lower prices. It would be safer to play a waiting game and take precautions in the herds

Already the increased demand for wheat and grain has caused a rush of live stock to markets.
This war bids fair to undo work accomplished in building up mixed farming A wholesaie return to grain up mixed farming A wholesaie return to grain growing will prove
disastrous in the end when farms beco hisastisus in the end when farms become im

Writers who have seen a part of the destruc tion and slaughter in Europe say, with other Who have been in actual touch with the condi manent peace in place of the armed truce which has so long been forced upon the people by arma ment manufacturers and bureaucrats.

## At the Right Time

"The Farmer's Advocate" is all that can be right time.
N. B.

A number of leacing grain-growers and farm ers of the West recently held a conference with some of the most prominent members of the Manufacturers' Association in Winnipeg, and the results of the convention have been summarized or the press. Great interest always attaches to any meeting of manufacturers and agriculturists, representatives of Canada's two greatest industries, for somehow the false impression is abroad that these men are enemies and that what is good for one industry is detrimental to the other, and and ing manufacturers and wide-awake farmers come Ogether. Moreover, when appeals are made to tovernments the petitions of the one class of men enerally draw forth counter petitions from those interested, in the other industry, and it is said that the manufacturer has profited Hore orter than his farmer friends. inseparable industries gether, and they now meet to discuss the biggest problem in Canada, viz., the "Rural Problem." At their meeting in Winnipeg, no doubt after long deliberations, they decidecl once again that "something must be done to make life upon the farm more attractive in all its aspects." This had been decided many times previously, but they might be accomplished. Foremost remedies "technical instruction"; not the kind they placed tion given at schools and agricultural colleges, but the kind that is taken to the farmer on his own farm at home. This is the class of work that is already being carried on to good advantage by District Representatives of the Ontario convention hit upon no new idea in so far as this phase of the work is' concerned. The movement profiting West is beginning The second means by which farm life could be
improved, according to the ideas tion, was in the methods of distribution of supplies to the farm, and of produce from the farmto the market or consumer. Organization and ousiness methods was the remedy proposed to Third in thesent-day ills
cluding gooci roads better shippingportation, in lower rates. Next in line, and one of the most important One very good feature of this part of the criscussion was the advice that it is desirable to modify the present practice of insisting that payment the cropa the crops. This often places the producer in ant his produce inctudind compels him to sacrifice crowded market general practice monies, falling due iust after harvest, sometimes almost before threshing can be completed, or at Such set dates as the first of September, first of watched market renorts and conditions knows what happens to prices around about these dates This convention even went so far as to discuss tariff was responsible for hat in so far as the the farmer labors, it the farmer labors, it should be carefully studied It seems to us that, taken on the whole, the defining the underlving were it began, for after present a hindramce to agricultural development searching contion pasced resolutions asking that a dealing particularly with production, tramsportation, distribution, markets, and finance; that the outstanding abitity, hroad experience, high ideals and unquestioned probity, first to acquaint themselves with the needs existing, and second of
time to report to the epproaahing session a pla calculated to meet these needs, and follow this up by putting the plan in operation with Gov rnment approval.
The public generally is of the opinion that we and had about enough commissions of one kind time. It familiarly known blue ports of the invetigations of com redant re of the best of these further action, and is it wot shou other of the Most the same way of the farmers ind Why can they not carry them to a chemselve without calling upon the Government and issua companying red-tape ta solve and the ac them? True, the Government can help lo but the thring for the farmers of this country do is to help themselves, stick together and conditions such that Governme and mak down their appeale ture lute need and a leating good the coun abo Farmers themelves by co country rganization through farmer' clubs, and an organization thro farmer' associations anc societies, with the help of cap appointed by the Department in Ontario alread can do much to make life on the farm counties tractive, and more remunerative thean it is at the present. Organization will teach modern busines methods, will make public spirited men will eventually procure cheaper transportation and easier and readier line of credit. Why should not farmers form their own aredit societies and set their own rates of interest? As far as the tari is concerned, it has always been a political ques ion, and farmers themselves are divided upon it If it does the hamn which some claim it does, then why do farmers not bury their political feel. ings and demand tariff re-adjustment favorable to their business?
Much good should eventually come of this class of meeting. Without some sort of organiza tion, such a meeting would have been impossible because there would have been no one officially authorized to represent the farming class. It is to be hoped that peetings such as this will be carried on in the future and much good come out of them, but we have little faith in Governmen investigations by the commission route as a solu tion to "The Rural Problem.

Isolated, But Capable of Holding Out.
As far as the live stock trade is concerned, Canada is at the present time in a condition of almost entire isolation. The war has cut off all chances of importing horses from Belgium and France and only a few are being exported from Britain, Canada getting a small percentage of these. On top of all this comes the announcement all the United States has placed an embargo placedadian stock and that Canada, in turn, hack placed an embargo on all United States stock, other than horses, this embargo to last for, a least, a period of six months. This latter sto of course, is due to the most serious outbreak
foot and mouth disease which this continent has ever knowa.

All this, however, should not spell discourage ment to the Canadian live stock man. Our abat toirs will still be open and with the increased demand for cured meats which may still be ex ported freely larger quantities than ever before should be handled in our packing houses. This wise plate would have been killed and prepared or be dressed American packing houses will he power that be, on the live stock markets of the countr will not take an undue advantage of the present day conditions to force prices of all kinds of live stock placed upon the market down helow the line of profitable production. This would be in the end disastrous to Canada's live stock industry am there would be an undue rush to get out of th live stoek business and back to the wheat-growing

## $\stackrel{5}{3}$ stron since B golde perio mou own and first- breed stand oven crisis into those busine surpl <br> right of that cuse our very class in B $\underset{\text { scores }}{ }$

NOVEMBER 19, 1914
strongly emphasized
nce the war began.
Breeders of pure-bred live stock have on golden opportunity ahead of them. It is true period of six months on account of foot and mouth disease 'and our breeders must rely on thei own efforts, but Canada has not been backward In the pure-bred live stock industry in late years and there are in this country large numbers of first-class individual animals of the severa breeds. It is up to the breeder to get the best sires possible and do all in his power to keep the standard of his live stock up to a high level the oven advance it-somewhat, notwiths anding and crisis which has come over the industry the into the live stock business in a small a those contemplating making a business should have no hesitation in purchasing poundation stock from our own live atock masing This would make an outlet for nearly all the surplus breeding stock on the farms where large herds and tlocks are already established. There is a need of more herds and more flocks of the right kind of stock and we should like to see of the right kind. These are available and now that we cannot buy in England, in the United States, in France or in Eelgium there is no exour own business. The word "imported" looks very fine after the name of an animal but it really means very little. If the animal is a firstclass individual and has the right kind of blood behind it, it matters not whether it first saw the light of day in Scotla ed, in England, in France, Individuality is what counts and we have seen scores of scrub imported animals and thousands creditable Canadian-bred individuals. Of course some of the best animals we ever had in this country were imported from the other side of the aying or from the United States but this is not ounded and running along on right lines we are not capable of fairly well taking care o ourselves, as far as purebred live stock breeding s concerned for at least a short time

## Nature's Diary.

The war which is waged by the Hawks on the roduce is given up with so destructive to farm but as the Hawks retire the conflict is taken up by another group-the Owls.
The Long-eared Owl is a fairly common species from the Atlantic to the Pacific. Just how com mon or how scarce any species of Owl is in a
given locality takes a long time to ascertain, because of the time at which they are abroad. The hours of daylight are usually spent in the centre of some thick tree, and the ornithologist, has
most of his Owls found for him by the Crows.
The Crows hate an Owl, and if they find one in the daytime they set up a great hullaballoo. This commotion attracts other Crows to join in
the sport of Owl-baiting. They gather in the the sport of Owl-baiting. They gather in the
tree, dart at the Owl and often carry this persecution so far that the Owl takes flight. But light avails little, the Owl takes flight long string, and as soon as the Owl alights surround it agair. This often goes on till the even-
ing, then if the Owl happens to be the Great
Horned turns Crowl the tables are turned and the Ow more quietly hit far more effectively, and makes $\begin{array}{lll}\text { a meal of } \mathrm{s} & \text { of its persecutors. The food of } \\ \text { the long-earea } & \text { wl consists almost exclusively of }\end{array}$ small animals.
Another species which has a transcontinental range in Canada is the Short-eared Owl. This species and breeds in marshes. In the fall and winter it often congregates in large bands about neadows and marshes. About seventy-five per of meadow mice. It takes a few birds, usually the small, ground-haunting Sparrows.
In the case of Owls, where the terms "eared" or "horned" are used. it is tufts of The Screech Owl is a very common species in Canada. It is a little Owl with a voice quite hoot, but utters a tremulo whistle. "Whistling name than Screech Owl, though it does occasion-

THE FARMER'S ADVOCATE
two phases of plumaige, a reddish phase and a
grey phase. grey phase. These phases have no relation a to
age, sex or season, but as a rule a cela very largely predominates a rule a certain phase The Screech Owl feeds very in a certain locality. also consumes quantities of field mice. fifteen per cent. of its food consists of birds fish, Fro House Sparrows. It also eats Cray fish in winter, when it Fom. It catches most holes in the ice and seizes sometimes watches by the surface.
North in the winter, which comes down from the of injurious rodents, and it is is large numbers tunate that many people consider that they doing a good deed when they shoot one of these
allies of the farmer. In the fouther.
Saskatchewan and in the of Manitoba and Columbia the Burrowing Owl is Belt in British in old badger holes. The food of this breeds consists almost entirely of insects.
bered parts of Canada, and is the in all the tim-"whoo-whoo-whoo-whoo" sounds out whose deep nights. The main food of this Owl in the still small and medium-sized mammals. It tales of great many rabhits, rats and various epecies of
mice. The only harm it proultry which are allowed to roost in sttacking trees. If all poultry were shut up at night this species would do a lot of useful work añid no Thus we see that the hirds of nrey are far from being the enemies of the farmer, but are in reality among his best friends. and that he
should in return for their cood services not should in return for their good services not only protect them himself, but should urge others to
do so.


A Great Stallion

## THE HORSE.

## The Season's Inspection Work.

The work of the Ontario Stallion Enrolment
Board for 1914 has been placed before the public Board for 1914 has been placed before the public
in bulletin form. Their records reveal the in bulletin form the previous year. The total is made up of 888 new enrolments, and 2,313 renewals.
In the work of the past year there were six forms of certificates, namely, Number one-pure-
bred, inspected and approved; number two-pure bred, inspected and approved; number two-pure-
bred that has failed to pass inspection; number three-pure-bred not inspected; number four-grade that has passed inspection; number five grade that has failed to pass inspection; number six-
grade not inspected.
By the amendments to the grade not inspected. By the amendmentsto whe Aug. 1st, 1914, inspection was made compulsory, eliminating the non-inspected classes. Consequent ly there will only be four forms of certificatee to
be issued in 1915. Another feature of the amended Act is that grades failing to pass the
official inspection will not be granted certificateo
after 1916, which eliminates all stallion carnin number four certificates, and after 1916 cern stallions
lle rolled, which is a very 1,118 grade stallions onconsider that the total number is 3,201 . A fow horses, however, that received grade certificater
might have been enrolled might have been enrolled as pure-breds, but thes did not receive pure-bred certificates because the
owners did not furnish proof of breeding and
ownership. nounced Stallion Enrolment Board are very pro the Ontario horse by the elimination quality of sires travelling in the country, and claim that
history history has shown that in districts and countries where pure-bred sires have been used for genera-
tions the average quaiity higher than in those places where grades much nondescript sires thave been used for breeding pur-
poses. In view poses. In view of the fact that France and
Belgium have suffered heavily the Belgium have suffered heavily through the do-
struction of many good Belgian and Percher
horses, it womel struction of many good Belgian and Percheron
horses, it would be well for Ontario breeders
strengthen strengthen the reputation of their horses of to recognized breers by using only pure-bred sires of undoubted yuality, and by selecting such females for breeding purposes as from their sires, confor progen and soundness will insure high-clese Pure-bred mares are, of course, desirable, but by resorting alwavs to the use of pure-bred sire in four of the different studgible for registration part of the Canadian National Records. Fire a of the Clvdesdale, Shire and Standard-hred breede with four top crosses by sires recorded in the Canadian Stud Books of the Associations to
which they belong are eligible for registration while femaie Hackneys with two top crosses by


 draft, Thoroughbred
and Suffolk breed do not admit of grading ap, yet it it
is the right poliey for the right policy $t h$ ose breeder of pursue a courio pure-bred only is he ceives recognition,
and even if $t h$, cannot be recorded
as pure-bred as pure-breds $t \mathrm{he}$
animals will animals will reach form and qualisty
which will invire
the highest marle Which will ingure
the highest market
prices, and y 101 d
tha t that satisfaction
which comes only to those $W$ ho do their share towards
improving the live improving the live
stock of the coumIt is very neces-
sary that all stallions be recorded in owners, and a buywor shours, make to at
condition of sale condition of sale
that his own name
(the buyer's) should appear in the stuld
aook establighe foll that particular breed of horse. owners of mares that the certificis is to insure furnished by the owner will be accepted service National Live Stock Records at Octawa when the owner of the mare makes application to register
the progeny.

Would Not be Without It. Editor "The Farmer's Advocate":
Please find enclosed Please find enclosed money order for $\$ 1.50 \mathrm{~lm}$
payment of my subscription which I Your paper is greatly appreciated by farman around here. Personally I find it full of informan wion, and interest every week and would not b without
B. C.
J. SPRY.

Some Items Worth the Subscription afford thought for some time that I could not friend persuaded me to try it for one year, by that time I found out I could not afford to do subscription alone.

## LIVE STOCK.

## Foot and Mouth Disease.

In view of the alarming spread of foot and
mouth disease in cattle in the United States and the danger of its introduction into Canada, it may be considered opportune to
ject thoroughly in these columns.
It is a highly contagious and infectious disease, due to a specific virus and characterized
by vesicular eruptions in the by vesicular eruptions in the mout,
clouts, around the coronets and often in other couts, around the coronets and otten in other
regions. In some cases the mouth only is
 in the feet. In miich cows the udder and teats
are often involved. $\mathrm{In}_{\mathrm{n}}$ such cases. the milk is are often involved. In such cases. the milk is
unfit for use. While cattle are more susceptible umit for use. While cattle are more susceptible
than other classes of stock, others are not tmmune, as sheep, pigs, dogs, poultry and even horses are sometimes attacked, and even the hu-
man being is not exempt, but in this article we man being is not exempt, but in
will confine our remarks to cattle.
CAUSES.-Like all other contapious diseases it can be caused only by the introduction of the virus or contagion into the system of heaithy animals.
In diseased
animals the virus exists in great in diseased animalis the virus exists in great eyes and nostrils, and as the intestinnl mucous
10 is highly charged the excretions are a source of
great danger. Thus food or litter of any kind great danger. Thus food or litter of any kind
as hay, grain, roots, grass or straw which has as hay, grain, roots, grass or straw which has
been contaminated with the saliva of diseased animalls, becomes a carrier of the virus, andl requires only to be ingested by other animais in order t.
propogate the disease. It is also readily conpropogate tiseased to healthy animals by the hands or clothing of attendants, by rugs blankets, pails or other stabie utensils. It it
claimed that the disease can, and has been spreai by diseased cattle wading through and defecating in streams, which subsequently coursed through haelthy districts. There is no doubt that the
disease often follows the course of a stream. SYMPTOMS.-After a period of incubation (the period that elapges between the introiuction
of virus into the system and the auperarance of of virus into the system and the appearance ol ol
the first symptoms) varying from twenty-fou the first symptoms) varying from twenty-fou
hours to three or four days, or in some case hours to three or four days, or in some rases
longer, the temperature of the annumal becomes in
 often not noticed except in cases where the ani-
mals are being closely watched and their temperamals are being closely watched and their tempera-
tures are regularly taken. The increase in tem perature is soon followed by the increase in tem perature is soon rollowed by the appearance or
vesicles or blisters varying in size from a ten
cent piece to that cent piece to that of a twenty-live-cent piece on
the tongue, inside of the livs, roof of the mouth the tongue, inside of the lips, roof of the mouth
and sometimes on the udder and teats.
Smaller and sometimes on the under and teats. Smaller
vesicles appear between the clouts, around the coronets and heiets, and there ussu, aly is a a dis-
charge from nostriss and eyes. The animal pre charge from nostrils and eyes. The animal pre
sents symptoms of irritation in the mouth, by constant movement or smacking. of the lips champing of the teeth, a flow of saliva from the
chat mouth, and difficulty in mastication; the affection
of the feet being manifested by more or less of the feet being manifested by more or less
lameness in the foot or feet affected. In a a short tine the walls of the vesicles are thrown off leav-
ing raw surfaces, which, however, are soon ing raw surfaces, which, however, are soon
covered by tresh material. In severe cases there is an entire separation of the hooffessom the
gensitive structures of the feet.
owing to the encape of contanina ted fluid from mouth, feet an
intestines intestines, pastures or yards son become imprey
nated with the virus, which contaminates cattle walking in these sections, or can be carried from
field to field, or from road to road by vermin, small came or dogs. One att tock does not rende
an animal immue from nnother, hut it it claimed an animal tmmune from another, but it is claimed
by many that an animal is attucked only once in a season, but there are exceptions, and it is rot
unknown for an animal to suffer from two or three attacks during a period of a rew month
Milch cows sufering from a severe attack usually go dry, but when the attnck is light the decreas in mik supnve is not erect. In mind casces the symptoms are not serions, and when the feet are
not seriously involved reovery often talies nilice
in from one to two weeks from the frist manifes in from one to two weeks from the frist manifes-
tation of the symutoms. In cold went her if the
 intestinal tract is serionslv involvend. .nnd when
vesicles aproar at the anns this condition is in
 feet well under the hodry, or lims thast of the
time TREATMENT.-Preventive troat munt of coms


 recoverv. While the mouth is sore the patinn
should be given free access to cold water. and
should be soft and easily masticated. If suppuration be present in the feet all partially de
tached horn should be removed, and the raw surtached horn should be removed, and the rail sur-
faces dressed three or four times times daily with an astringent as 1 oz , each of acetnte of lead and sulphate of zinc dissobvect in a pint of water or a
4 per cent. solution of carbolic acid. When thre 4er cent. solution of carbolic acid. When thro
soreness is not too great plegets of tow dipped in soreness is not too great plegets of tow clipped in
the solution may be placed between the clouts and around the coronet and bound there by a
and
bandage In more severe cases, where debility bandage. In more severe cases, where debility and loss of appetite and strengthe are well
marked, it is well to give stimulents as 4 an oz. of whisky or 2 oz., sweet sprits of nitre in an little cold water every few hours and also tonics, as 2 drams each of gentian, ginger and nux
vomica three times daily. of the feet- is extensive the advisability of de
strstroying the patient should be carefully con-
sidered sidered, as treatment is trombesome and tedious, ha a perfect recovery or even a partial recovery unknown in this country, and we hope that the precautions that the Government is taking at
present will succed in preventing its introduction.

## Our Scottish Letter.

We should have settled down this week to
write a brief revierv of the quarter of Write a brief reviev of the quarter of a century
which has passed since we first began this monthly letter to "The Farmer's Advocate," but unortunately the excitement of the time in which we tive, accompanied by the companionship of a recurring affection for us since the begiming of August, has made it imbossible for us to stay our minds week we pen a few thourhts Instead, then. on the six weeks that have elapsed since last we faced this duty. Autumn of 1914 will be memorable in Scottish
agriculture.
The whole season will be memorable agriculture. The whole season will be memorable
quite apart from the stupendous war which en


Yearlinł, Hamoshire Boar
First and champion, Toronto and London, 1914 ,
gan on the first of August. Farmers have not 1879, the year of the crowning disaster to British
agriculture, and of the beginning agriculture, and of the beginning of sorrows
which lasted with little internission until the
close of the ninetent close of the nineteenth century. The revival be-
gan with the opening of the twentieth century gan with the opening of the twentieth century,
and culminated this year in fruitful returns coupled with high prices. These two things, un-
der normal cont der normal conditions, do not always go together. More frequently it is the other way but this season it is not so; produce is certainly phentiru, but all round there is a high level of Sheep have beery a splendid trade on the farm. inferior turnip or root crop. The one crop of crop. Swedes were sadly in lack of is the root the proper time, and turnips of every variety are mildew. In spite of these drawbacks priced for
lamlss thate maintained a hiph lewol ages and both seves have heen making plenty of Borner lationtels sold uples to dold in september



England was England was
newed outbrea Concerned, were added re
 that no one could buy for export. Al.
ports will be closed against England for ports will be closed against England for at leasi
six months, and those whose hands are not full are hardly to be blamed, if, under these conditions, they refused to fill them. The sales re vealed the extraordinary hold which certain pedi-
gree strains have taken of the bryeder's fancy. very sound, healthy lot of cattle were sold by
Mr. Parkin-Moore Mr. Parkin-Moore at his farm of Whitehall,
Mealsgate, Cumberland his Mealsgate, Cumberland. Perhaps no sounder lot
of cattke has been put upon the market this year. of cattke has been put upon the market this year
Yet because of the absence from the catalogue o the favorite lines of breeding, prices were decidedly disappointing. Forty-five head made an aver
age of 53218 s . 5 d . They were well brought
out ond out, hac ail passed the tuberculin test, and the
herd has given a good account of itself at the Birmingham Spring Show and sale; yet the
absence of the fashiomable paper made all th absence of the fashiorable paper made all th
difference. It seems altogether too absurd. I
the following week we had a series of sales in the north, when again the same results were ree
the neale
vealed. The ton price at the Collvnie sale was vealed. The top price at the Collynie sale was
850 guineas, paid on behalf of H. R. H. the
Prince of Waies for his Cornwall for a bull calf. The 29 bull calves
sold made an ayerace price of $£ 1922 \mathrm{~s}$. 3 d . The highest average made by Mr. Duthrie's bull calves
was 409 16is. 3d most successiul sire in the Collynie
ent is easily the home-bred Knigh
Thirteen
priced Kelso sales were both numerous and high this country, and at Kelso they actually outnum mered the native Border Leicesters. They do not but, selling to a large extent as lambs, these great, lean-fleshed types make good remunerative
prices, and many Enclish breeders find prices, and many English breeders find it profit-
able to send large consignments of Oxford Down ram lambs to the Kelso sales. The lamb produced by the Oxford ram out of the Half-bred pewe is a
most valuable hutcher's beast most valuable butcher's beast. It carries a fine deposit of lean flesh, and while much of the fat
has to be pared off the chop before sold in a west-end shop the parings are not lost and the whole leaves a very substantial profit to
the butcher. Hence the popularity ram with farmers on medium iand who cater ord the lamb market. At present there is a somewhat acute dispute between the wool brokers, who maintain that
they are acting in the flockmas they are acting in the flockmaster's interest and
the Government. The Government has rightl forbidder the exportation of wool to neutral countries during the progress of the war. The
reason is very obvious reason is very obvious. No matter what precau-
tions merchants in neutral tions merchants in neutral countries may take, it
is impossible for them to refuse to sell to those who may be buying for this country's enemies. But the brokers maintain that the strong Black-
face wool produced on Lanarkshire and ace wool produced on Lenarkshire and other
ranges in the midlands of Scotland cannot manufactured into cloth. Therefore, cannot be that the embargo should be withdrawn, and liberty given to export Blackface wool to the manufacturing of carpets. This has been the great market for such wool during the past twenty-five years, and wool brokers maintain that
seeing there is no market for here, the embargo on its export should be withdrawn. Unfortunately for this contention it is a fact that there is a market for such wool in this country, that quite a fair proportion of it can be
sold in this country for the manufacture of the manufacture of cloth,
and therefore it is impossible to allow its free
export. It is to be hoped the Government
may stand firm. The may stand firm. The
ho me market may be small, but it is not nonexistent, and we cannot
afford to run any risks. afford to run any risks
We are at war ; our soldiers and sailors a r not on the continent and for fung they are mot 'having a picnic these times. It is the duty bear his share of the burden, and at all costs
to refrain from doing anything likely, even in a round-about w a y, to
enable the enemy to proenable the enemy to pro-
long the conflict. Shorthorn a utumb
sales are over. They were held under very de
pressing conditions. The pressing conditions. The war cloud was bad was held day of
Clydesda
8d. apie

## average 625 guin

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trade for

NOVEMBER 19, 1914
THE FARMER'S ADVOCATE.

Messrs. Law hold three farms in that neighbor- and last twelve Clydesdales were exported to Canhood, and the four brothers are famous stock- in in, and 18 choicely-bred mares, most of can-
men. They know how to to take care of stock. The byre full of two-year-old heifers from see. Here again it was pedigree and not merit which made the big prices. Some of the cattle of unrecognized tribes were fully as meritorious two or three of those belonging to these tribes were not in any way distinguished for merit, yet
prices went by fambilies and not by merit. Fifty, prices went by familiies and not by merit. Fifty-
nine head made an average of
figure not at all to be despised price was 320 guineas paid by the highest Shorthorn Co., (Ltd.), Banbury, Oxon, for a two-year-old heifer of the Clipper famiiy. She est demand are the Clippers, Princess Royal's, Augusta's Orange Blossom's, Princess Royal's,
Goldie's. A fortnighe's, and Goldie's. A fortnight later the Edgcote Com-
pany themselves had a sale at Banbury, and the northern men turned out in force. The offering consisted of 39 bull calves from Edgcote, and 26 heifers from Leopold de Rothschild's herd at Ascott, in the same valley, although in a differon the previous Monday (it was held on Wednesday) the foot anc mouth outbreak already re-
ferred to had been confirmed. Still there was a ferred to had been confirmed. Still there was a
good local demand. Thirty-nine bull calves averaging $£ 819 \mathrm{~s} .4 \mathrm{~d} .$, the highest price being 260 guineas paid by the highest price being Deane Willis, Bapton Manor, Codford, St. Mary,
Wilts. The family strains again toldi, and de termined values. Messrs. Wallace \& Gresson; who own the herd, have been extraordinary plucky buyers. On the evening preceding the sale of Kingston, which was first at the twold Earl Shrewsbury, had arrived home. He cost ${ }_{3}, 000$ guineas, the highest price paid for a Shorthorn
bult for many years. His breeder was Earl bult for many years. His breeder was Earl
Manvers, Holeve Pierrepont, Nottingham. This is one of the best bulls seen for many years, and
as he is of combined Cruickshank breeding, in of combined Curuickshank and Bates as a sire. He is one of the most his success Ascott 26 heifers, sold on the same day yade Th at a joint sale held at Darlingtone following day at a joint sale held at Darlington in the heart of
the native home of the Shorthorn 115 head varying ages but chiefly calves of 1914 made an was 155 of £33 5 s . 2d. each. The highest pric Was 155 guineas paid by Messrs. Munro, Moness, atrain. This sale again demonstraed the voya of pedigree, and any prices above the ordinary were made by animals of certain Pashionable tribes.
Having regard to the collapse in 1879, it does not seem wise of the Bates boom of Shorthorns to run so much on these fashioning neglected Good cattle of sound breeding are benot necessarily for inferior cattle being paid, for cattle individually less meritorious certainly sound, good cattle whose meritorious than the
fashionable. Thable. That way lies disaster.
The horse trade of the country is in a very
flourishing state. At Lanark a three-days sale Lourishing state. At Lanark a three-days sale
was held sa fortnight ago, when over 1,000 head
of Clydesd of Clydesdales of all ages when over 1,000 head
day of the three 240 head ine including the first day of the three 240 head, including 45 pedigree
Clydesdale females, made an average of $£ 5412 \mathrm{~s}$. averapiece. The 45 pedigree females made an average of $£ 9714 \mathrm{~s}$. 5 d ., the highest figure being
625 guineas for the mare Montrave Vanda 32752 Cawn sister to Montrave Victory-and got by the
the Cor Cup champion Hiawatha 10067 out of Cawdor Cup champion Hiawatha 10067 out of
the Cawdor Cup champion mare Lady Victoria,
and in and in foal to the $£ 9,500$ horse Baron of
Buchlyvie 11263 . On the second day lings of wert sora, mainly brood mares and yearlings of both sexes, and the average price of the
313 was $\mathrm{s} \cdot 335 \mathrm{~s}$. fd. On the third day 459 two-
year-olic fillies year-ole fillies and geldings were disposed of at
an average price of $£ 4510 \mathrm{~s}$. 2 d . A similar
threed land this wale was held at Wigton in CumberThe Cumberland horses are heavy and strong in
build, and have told build, and have horses are heavy and strong in
as work horses. The colts a unique reputation
inge make splendid geldas work horses. The colts make splendid geld-
ings, and one of the remarkable things about the
Clydesd Clydesdales of of the remarkable things about the that they owe mothing almost to the fostering in-
fluence of horse rereedine societioc the country are theredine societies. In no part of
prise has ater such. Private enterits has athost. Wholly secured for cumberland
draft hoeminenre as a great breecing area for
other. The demand frome other Lancashire centres for heavy horsiss has
created the sinniv. In Cumberlond colvdestales
are bred horses for deliberately to sumply the demand for
thing trafic. It is not a common castrated riont manventire horses there: colts are
highly proad-the gelding market heing
The War notwithstandine, there is some export
trade for breeding horses and mares. This week In foal to first-class sires, were exported to them
South Wales. The purchase of these tast is part of a Government scheme promoted by that State to improve the quality of the thoted by that
bred within its boraers. Morses commissioned to undertake Major Sanderson was three full months in Scotland investigating the the
whole subject whole subject, and satisfying himself as the best means of attaining the end he had in view. work, and resolved to to he had already been standing the untoward conditions task notwith hoped that the ship carrying his purchases to be Emden and may arrive sal the attentions of the This war is a very big thing her desired haven. all the resources of the Empire to bring it strain only satisfactory conclusion-the annihilation of
militarism in Europe and the estan frontiers on a basis of nationality ablishment of gard with the fullest guarantiees for mutual reing and integrity of the smaller nations well be Canadian troons have arrived, and the Indians have heard that the passage of the C'anadians across the ocean and up the channel was a mag nificent sight. The bottling up of the German
fleet has made many things comnaratively fleet has made many things comnaratively easy.
SCOTLAND YET.

## Precautions Against Foot and

 Mouth Disease.
## Dr. George Hiltong

 cently received the foll the foot and mouth outbreak in and the danger to Canada.

Oxford Yearling Ewe.
Champion at Toronto and L.ondon, 1914. Owned by
Very strict precautions have been taken by bluff this Department in an endeavor to protect Can- bluff. is worth a pound of adian live stock from possible infection from the United States. Additional men have been placed at proper points along the boundary to watch any The following order from the Agricultural De partment at Ottawa prohibits the transit of ani mals mentioned therein, and also animal products and fodder.
"Under the provisions of The Animal Con-
tagious Diseases Act, for the period tagious Diseases Act, for the period of six
months from the date hereof, the importation or introduction into Canada of cattle, sheep, swine other parts of such animals, (with the exception of cured meats, lard and tallow), or of hay,
straw, fodder or manure, from the Inited States
of America, is prohibited, Amene is prohibited,
There passed away in Winniper, on sunday,
Nov. 8 th, that well-known and hi, hl, succ ssfuj Shorthorn bredpr and exhi itor, Jamis Yul.
M. Youe had been in failling health for some
tinu. hut his end was rather sudden. Xo man Was better-known in Western live stock circles,
and as a fittor and exhilitor of Shorthorns he

## THE FARM.

## A Reply on Insurance and Farm

## Finance.

It is not my intention, nor is it your desire that there shall be a lengthened controversy on Rural problemtioned in my former letter on the ferv observat. However, I should like to make which onservations on the letter of "Veritas," Latin word yerit your issue of Nov. 5th. The pleased to meet means truth. We are always Spartan Soup er me of the story of the our friend reminds walk one day and the skunk. He went for a den at dinner time. The wor woodchuck's a dinner of fresh clover plants morning in a farmer's field. "How-do-y that chuck woodchuck'! says the skun'k Tha wor, nothing. "Dh visitor suspiciously, but said your long-lost brother"! know me", "Don't "Why, I'm
the day remember che day we went out for a walk, and a dog
chased us?
other other. The dog took after me, and I ran the ran. and ran, unt il when mearly and I ran, and
found a hole and then fainted. I found I had lost a faod deal When I came to, form, and some of my hair had turned whit
But I'm vour brother', But I'm vour brother!', hir The turnod woodchuck white.
and sniffed acain the air moanwhifed aqain the air of his den. The strunk moanwhile nibhled at the clover which he wood-
chuck had collected. Finallv the woodshuck
said, "You said,-"You look something live a woodchuck ;
 one, you eat like one,
but fill he durned if
you 'smell' 1 ike a
 In the first place we were not discussing surance of Life In protection for a man's considering it as a source of ready cas a $h$
for emergency needs the farm, therefore, the diatribe in "Veritas" " second paragraph has
no bearing whatever on the point whater The word endowment" was used in its
general meaning a nd not in a technical sense. The writer has four life insurance companies, amounting in
the aggregate to $\$ 10$, 000 aggregate to $\mathbf{1 n s u r a n c e}$ large, but enough ot give a person a if air Farmers of experience. people. They find that to prohibit the " "egtimiation was found necessary sualicient proof of our statempants under this head. this country when legislators intervene paise if this country
cial matters
The gratuitous insult about "his anticipated steal," needs no furth 2 comment than this: the
thief was the Agent who induced him to the the policy ; and further, the thieving was sanctioned at the Head office of the Company. The party insured knew no more about Life Insurance than a babe, at the time the policy was taken.
No wonder legislation was necessary to
this form No wonder legislation was necessary to prevent
this form of highway robbery of innocent persons. Regarding interast on loans, the paragraph
confirms what we said-little or no advantage to We shall conclude this discussion, so far as
ife Insuranco Ife Insurance bears on the subject, by relating
one of Lincoln's stories, which illustrates the position of some farmers at the present time: An elderly lady was driving down a very steep hi'l, when suddenly the horse started to run
a way, the harness hroke, and she was thrown
out of the ric. Fortunately she was alray, the harness hroke, and she was thrown
out of the ria. Fortunately she was not seriously
hurt. Relating her experience afte"wards, she hurt. Relating her experience afte"wards, she
said, "I trusted in the Lord until the hritchin
broke and then I didn't know what on ainth to

## THE DAIRY.

## Fall and Winter Feeding of Milk-

 Cows, Science.Editor "The Farmer's Advocate": :
The feeding of cows, as of all tarm animals The feeding of cows, as of all farm animals,
may bonstdered from two viewpoints-the
matientific and the practicas may be considered from two viewpoints-the
colientififa and the opactica. If one only, is to be
taken into consideration then we should say, let taken into consideration then we should say, let
this be the practical. An ounce of good practical this be the practical. An ounce of good practical
wsense in feeding cows is worth a pound of science when it comes to results, and these are what
whost dairymen are loter whost dairymen are looking for, of two man, vone a good practical feeder who keps his eyes
כpen, and the other
a trained scientist, who is Spen, and the other a trained scientist, who is
lacking in cow sense, we should prefer the former,
althoumb both can and ought to learn something although both can and ought to learn something
each from the other. each from the othe
Let us briefly consider a few of the scientific
aspects of the question then deal in aspects of the question, then deal in our next
article with some practical phases of the prob-


Scientists have set for themselves a solution of
problem of economic feedin the problem of economic feeding, in order that teey may help the man on the farm, and in the
leang stable.
One German scientist has stated the probiem in this form, -" "The work of science
is to ascertain how much of the gross energy of iin to ascertain how much of the gross energy of
the food passes over into stored eneryy-flesh. milk, etc.". Thus stated, we learn that it is a mitu, otc. energy and the transference of enerigy in
the form of food, to another form,-milk, in the the eorm of food, to another form,-milk, in the
case under consideration. If you ask what
' "energy" is me
 ers know what "work" is. An example of energy
In a potential form, is that of a boy 10 or 12 years old, full of life and spirits. or what we
may call enercy, although it is not easy in some cases to get the boy engrgy transferred into effective work-it is more likely to take the form of
play, which is a form of work or manifested In order to get a practical basis to work on,
scientists have put forward, or proposed various theories in the feeding of live stock. A theory is something supposed, - a speculation. No one ever
saw a a theory, solve many practical difficulties, including the teeding of cows.
Four leading theories with reference to cowfeeding have been suggested. One of the first,
 scientists. While ${ }^{\text {it }}$ is true that the "Balanced
Ration" Ration" theory has been over-worked in many
cases, and the writer has gone so far as to say cases, and the writer has gone so far as to say It he has cow-feeding sonse, it is also true that a theory may be an aid in compounding rations it
used with sense and judgment. In a word, this balanced ration theory assumes
that in order to
have good results in feeding that in order to have good results in feeding
mill cows, each cow must be supplied with so milk cows, each cow. must be supplied with so
many
monounds of dry "proteide, "carbohydrates" and 'fat" daily, aca certain "nutritive ratio,"-that is a fixed hatio or proportion of proteids or muscle-forming food to carbohydrates and fat, or heat-forming food. lor cows giving a moderate flow of milk, is -24 tis. dry matter, 2.5 tos. protein, 13.4 ths. heal
formers-starch, fat, etc., and the whole, with a butritive ratio' (N. R.) of $1: 5.4$. Various other scientists have worked out similar standards. In order to make use of this standard, it is
necessary to have a table showing the composition and digestibility of various farm foods. Such a table will be found in works on feeding, animal
chemistry, etc. There are a number of bulletins, chemistry, ete. There are a number of bulletins, the amounts of digestible matter in common foods found on a farm. Bulletin No. 206, published by the Ontario Dept. of Agriculture, Toronto, contains such information. Many people do not on page 10 of this bulletin. Suppose we take ration No. 2, as given on page 9 , and make an application of the principles involved. We need
to make a skeleton or blank
table form, contain-
Lbs.

By the table on page 10 we learm that 1 ib . corn silage contains 21 . dry matter, therefore,
40 ms . would contain 40 times .21 , or 8.4 Tis., and this we set down in its place in the table, Referring again to the tahle we find that 1 II
corn silage contains .009 ths. dicestible protein. corn silage contains .009 ths. dieest ible protein:
40 tos. Would contain $.009 \times 40=.86$ 1bs., which we
place in the table under the heading, ibs. protein. The table tells us that 1 lb . corn silage contains
.129 lbs. digestible carbohydrates and fat; 40 lbs. .129 rbs. digestible carbohydrates and fat; 40 tbs.
would contain, $.129 \times 40=5.16$ tbs., which we place under the. c and $f$ We do the same with each
of the other two feeds given, add the figures in of the other two feeds given, add the figures in
each column and get the results as shown. The ration contains 24.87 tbs. dry matter, 2.247 tbs. proteids, and 13.8 lbs. carbohydrates and fat, which corresponds fairly well with the German proteid or muscle-forming material. too little would be improved by the addition of une or two pounds of cottonseed meal. On referring to the
table in the Bulletin we find 1 t . cottonseed table in the Bulletin we find 1 th. Cottonseed
meal contains .372 ths. digestible protein, which
added to the 2.247 ths. protein already in the added to the 2.247 lms . protein already in the ration, brings it slightiy above the German
standard. The nutritive ratio of the original standard. The nutritive ratio of the original
ration is $1: 6.2$, which is too wide according to tonseed meal, the N. R. is $1: 5.4$ or the same as the German standard
"For those who do not know how to determine termine this, divide the total pounds of digestible carbohydrates and fat hy the total pounds of digestible proteid material. The result is the
number of pounds of heat formers (carb for one pound of muscle formers (protein) in the ration. For instance, in the ration we have been
studying, there were 2.247 Dbs. proteids and 13.8 studying, there were 2.247 lbs. proteids and 13.8
hs: carb, and fat, $13.8-2.247=6.2$ therefore there are 6.2 Ibs. heat formers for each pound of divestihle muscle formers; or, the nutritive ratio is 1 to 6.2, usually expressed $1: 6.2$. and a suitable table showing the direstible nutrients in farm feeding stuffs, any feeder can
know whether or not he is feeding a ""balanced


A Young Canadian Ayrshire.
ration," and this knowledge he wiil find of use to
him in the economic feeding of milk cows, though him in the economic feeding of milk cows, though
we do not think a feeder should blindly follow ration theories, but use them along with common sense. The latter is more important than any The second theory, also that of a German, is called the "starch value" theory of Kellner, in is taken as a standard or unit. This theory has not been so widely accepted as the "baianced foods must perform other functions than because heat in the animal body. It has been found in practice, that a cow requires considerable proteid
material in order to give good results in mill

The same ob
(Americane objection may be raised to Armsby's quired to raise 1,000 lbs. Water 4 degrees F . is taken as a standard or unity, and all foods are in milk and meat production.
The fourth theory is known as "The Feed Unit," of Danish oripin. The Danes are a very
practical people. Instead of using proteids, carbopractical people. Instead of using proteids, carbo-
hydrates, starch, or therms as a standard, they
adopted a pound of adopted a pound of grain, such as corn, wheat,
oats, etc., and called this a "feed unit," They oats, etc., and called this a "feed unit." They
compared all other feeds with this standard. Thris
Danish standard is fully Danish standard is fully and ably discussed in
circular No. 37, of the Wisconsin Fxperiment Station, Madison, published in June, 1912. Those
wishing to know more shout the Danish Feed Unit system are referred to this publication. Feed the various theories, or scientific phases of the feeding of dairy cows. Feeding is an important
yuestion during the winter, especially this coming Province.
winter when feed is likely to be scarce and high account of the drouth and ravages districts om wormi"; but as previously pointed out, "armyy
theories need to theories need to be largely used as guides to the practical feeder, and in no case should theoriee
take the place of sound take the place of sound practice-they should
supplement it. It is also true that when Science lags Practice marks time. These two need to march along together for best rwo need to scientist can learn much from the practical
feeder, and the man feeding cows the of value to him from the scientific man who might have difficulty in telling a manger from a gutter in a cow stable.
O. A. C.

Butter Prizes at the Toronto Exhibition.
Editor "The Farmer's Advocate"
Sometime ago I saw an article in your valu. the prizes on about the reason why the most of went to the Provin at the Toronto Exhibition of the 0 . Dean, not give a very good and sufficient answer he did called the creameries in Ontario are what NearProvince of Quebec the milk is delivered at the creamery ard is separated there, and the maker has the cream under his control until it is
churned. On the other hand in Ontario, each farmer (or nearly so) has a separator and he separates the milk at home, and the cream is gathered about three times a week in the summer
season, and ahout twice a week in the fall season, and ahout twice a week in the fall and
winter. A great many of the farmers keep their cream in the cellar, and each lot of creama
has a flavor of its own. It often
arrives at the
creamery in an ad vanced stage of ripeness, and the maker
is unable to make as good butter as $t$ he Quebec man. rn years gone by
when there was quite a quantity of butter exported from
Montreal, Quebec
creamery creamery butter
would bring about would bring a bout
one cent per pound one cent per pound
more than the Ontario creamery. To
my mind the Oqtario my mind the Oxtario
man makes just as man makes just as
much money out of
his milk as the other much money
his milk as the other
fellow, as he has a fellow, as he has a
mruch hetter quality
 mer season it takes
100 lbs. of milk to
make about 4 tos butter, this at one make about 4 dos. of ditional makes only four eents per 100
Ibs. of milk, and the fresh separated skimmilk is certainly worth more than five cents per
100 tos. over and above the skim-milk, which he would receive at the Quebec creamile, which he will look up the records at both the Toronto and Ottawa Fairs for the past fifteen years you will
see that Quebec Province has of that Quebec Province has taken the majority
of the prizes at these places during that time. I thought someone more capable than myself would have given the reasons for the superior quality of
the Quebec butter over Ontario hefore now the Quebec butter over Ontario before now. 1
certainly think that the creamery butter of Ontario is much superior to the average dairy butter made at the different farms throughout the
Province.
P. MacFarlane.

## POULTRY.

## Menu for Winter Eggs.

Judging by the scarcity of winter eggs on ouz
markets it is evident that our producers hever markets it is evident that our producers heve
good deal to learn regarding feeding, and othe good deal to learn regarding feeding, and othe
factors that influence winter egg production The foundation for a good winter egg yield must be laid during the summer season, but this
must be followed up by proper feeding, proper must be followed up by proper feeding, proper
care, and proper housing. Granting that the care, and proper housing. Granting that the
stock has been raised under the proper conditions and is sufficiently far advanced or well matured
to produce winter egra, the method of feeding to produce winter egge, the method of feeding
that is followed will necessarily play quite as important part in the production.
Before going into detail in regard to methods

NOVEMBER 19, 1914
THE FARIMER'S ADVOCATE
of Peoding laying hens, we wish to point out
few things, which to our way of thinning, mus tow things, which
be changed before we can get high egg pro
duction course, means winter egg production, in that a hen to be a heavy layer must lay the majority
of her eggs from the first of October to the first
of Aprill of April
Mle all grant that the breeders of pure-bred
poultry have done poultry have done a good deal for the general
advancement and improvement of the poultry
而dustry but they have awung to industry, but they have swung too far in one
direction and have lost sisht of the utility qualidirection and have lost sight of the utility quali-
dies almost entirely. Show qualities, in too
many instances, are the outstanding many instances, are the outstanding features.
know for a fact that the great majority of our winners at poultry shows could have their of our
egrg production masual egg production I have known instances where one figure waid amply sufficient, as admitted by breeders them-
selves. Under these conditions there is very hitule inducement for the average farmer to go into
raising pure-bred poultry so far as heavier incresed egg production is concerned, at ar any
rate. If a farmer pays $\$ 5.00$ for a pure bred rooster, what can he expect in the way of a
heavier egg yield the next season? unless his own stock is of a very inferior nature For many years the writer was a breeder of exLibition Barred Rocks, and therefore was thor-
oughly familiar with the fancy end of the industry During recent years my experience has been with the whibitition and bred-to-loy ay stock raised side by
side under the same conditions side under the same conditions and fed the same
way for egg production, and in every cose way for egg production, and in every case the
bred-to-lay stock gave from 25 to 50 per cent. heavier egg yields. These facts are to proonoun-
ced and the results too extreme for breeders to lgnore them entirely. The day is rapidily ap-
proaching when farmers will demand stock of known and reliable high egg production, and the oreaders who can see far enough ahead, to select
and mate for high egg production will, later on And a better and more profitible wrade awaiting解 purposes only.
Stock
itron
to prock from bred-to-lay strains always responds littroper methods of feeding, whereas but very
seems to be accomplished by any metho of feeding fancy stock. I do not refer to any sppecial breds in this connection. It has been
my experience with six or eight different breeds. The criticism that might be offered in regard
to laying rations on the farm not enough variety in them. Wheat or ote is lhrown on the floor morning and night, with no attempt made at giving the fowls exercise. Green
lood, hes a general thing, is lacking. Now, hens
it hey are to irst of all be through their moult. Pullets will, of course, make the best winter layers. Thy
must be fully matured, in order to produce must be fully matured, in order to produce
winter exgs, and yet not too far advanced to go
into moulte during the Into moult during the cold weather. You can
not grow not grow meat, feathers, and produce eggs at
the same time in any flock of hens. Immature pullets can be brought to maturity more quickly by feeding a soft ran mash once a day, adding
5 to 10 per cent. of ofer asren milk with the cent. of bran, to hastap, or mixing butterApriil they should, ple pullets are hatched during
with proper care, be fully matured by the time the cold weather comes.
Even May hatched pullets can be broutht tor whay hatched pullets can be brought along
winter eggy production by proper feeding. The pulletster erg production by proper feeding. The
cember. In order to carry a uniform rate of egg pro-
duction right through the winter months. Thim is always to balance up our ration pronerlv. or meat fond and rgit in the proper quantimaies
to pet desired results. After all, the secrit of
winter to summer lies in bringing conditions as near
terned, as onditions, so tar as fepding is conIt has heen stated that under college condi-
tions it should be an easy matter to produce
eat eggs, since everything that money can buy is
availahle.
 In care the cheapest and hest eage-rroducing errains
is ans.
Our most economical production is are to use tre. Our most economical production
illustrate trom
the simple rations. To furt hor

 pounds of a flock of 750 hens, we fed only 211
all. All then hone and no heel scrap at
 eesentially a farmer. ration, since we omit all the
mannfacturrd amd costly constituents that micht
be ferd. and thic or the farm fock.
Whenat
should

 the hulls still adhering to expose the wraite with in a self-feeding hopper, so thle hens can get all
they want at any time. they want at any time. This method of geeding crop before going to roost. This waving a full ing the oats also makes them mis way of treatalong with the wheat. Burley may also be fed alone. A good practice is to boil not be fed with a hot bran mash and feeding this once day at noon. Table scraps may also be mixed
in with the mash. boiled potatoes, as they are toeding heavily on Buttermilk or skim milk, if are too fattening. given to drink, Personally It think there is noth-
ing like buttermilk and crushed egg production, and these foods should winter means, be in all farm laying rations. Green food must be supplied in liberal quantities. Cabbage is the cheapest and probably the best of all vegetables. Sprouted oats are better, but it
rquires considesable labor to prepare them
Mangels or turnins Mangels or turnips are very good too. Clover
or alfalfa, thrown in every few days or alfalfa, thrown in every few days, makes an the grit required. Old marse sand usually furnishes all
pounded up or crockery pounded up fine, will furnish considerable limery,
Oyster shell is probably the best way of supplying lime.
Summing up the whole question of feeding, it
remains for the farmer to make up the ration out of his own products as much as possible.
Aim to
Aim to give as much variety' as possijlle. Chance
the feed occasionally, like feeding an oatt chop mash
one day and bran another, feeding roots holled
one day and raw another. Avold condition
powders of any kind. For 25 cents you can get
as much
Epsom salts and charcoal that will
do


Barred Rocks and Leghorns at Breakfast. more goqd than a few dollars' worth of any con- day some one would was. Almost every dition powder now on the market. Put powdered of the stores or in the post-office in Appin, "It' a fortnight. It is practically impossible to lay down any the sufferings of this heroic people, and how mucl hard and fast rules for feeding laying hens, iny on hand. All feed should be fed judiciously throwing down a pailful of grain one meal and nothing the next, is a practice that should not be tolerated. It is extravagant, wastoful, and
above all shows that you have no interest in chickens. As to quantities, a good rule to go by twice a day; and another way to tell is when there is any grain
feeding too heavily.
Cleanliness is another important factor in getting winter eggs. Have the poultry house clean and congenial for the fowls. Keep the drinking
pans clean. Feed clean food.
Remove litter as pans clean. Feed clean food. Remove litter as
soon as it becomes soiled and dirty, which is usually in two or three months, depending on the number of hens kept in the elock. Do not over-
crowd, as it brings on disease. Have the house
dry. Cold houses give excellent results, providdry. Cold houses give excellent results, provid-
ing they are dry. Do not attempt to improve results in dampness being more pronounced. Our year's egg production goes to show again
that the fresh air curtain-front house is a good house for this country. These houses are well very cold weather they have proven ideal for this
climate. The highest producing pens aiverazed 50 per cent. during the cold winter months. With
zero weather in the house many nights in succ s-
reedom-loving citizens of the Empire owe to
them. But everything ended in talk wouid make the start. Each man seemed to
suspect that if he took action in mon suspect that if he took action in the matter other people would suspect that he was trying to got
some glory out of the work. This kind of sus some glory out of the work. This kind of sus-
picion was very foolish, of course, but it was
strong enough to paralyze our good intentions strong enough to paralyze our good intentions.
But one morning a man said to another, WT really must do something for the another, ' 'We
he walked across the he walked across the street and expressed his
conviction to one of the store-keepers. The stor keeper agreed; and they both went across the
street again and both ond street again and both of them told across the
the other Bore-keeper that we must do something for the
Belgians. He agreed at once, and the snow began to gather size. They stopped a man who
was driving down street in and was driving down street in a buggy and told whim
with new-found emphasis what our the matter of the Belgians. As he duty, was in to matter of the Belgians. As he hadn't a word heartily, they decided then and there to call meeting in the town hall to discuss the call a
They asked the auctioneer at the meeting the auctioneer at a sale to announce the meeting, and on the foliowing evening about
fifty farmers gathered to discuss the situation fifty farmers gathered to discuss the situation.
At first they proposed to canvass the township for contributions of grain and other food pro-
ducts, but it was soon found that everyone wias so unanimous about giving that they might as
well do the matter promptly by asking the well do the matter promptly by aski
Council to act for the whole cominunity.
promptu delegation of citizens, waited on their
neighbors the Reeve and Councillors, and with all due formality we laid before them our suggestion that the Township of Ekfrid should buy
a carload of the beat flour and donate it to the acarioad of the best flour and domate it to the
Belgians. The members of the Council listened to:us just as earnestly as if they had not already
made up their minds to give the flour, and after made up their minds to give the flour, and after
due deliberation the proposal was placed in legal
forfin and ratified. By doing this Ekfrid has set
 tive bey buing and elling were two outcoopings
which
 ngso. Toronto, on November 10th, 1914. Colot many years, and they now seo its advantaveses, and know from experience the obstacles encouse It ered men they beame espousers of the cause. tith gaining ground However, they proceed to corvention to loar from ot oners, yet tho trounfiod relations of nations have forread them to launch upon a new movement, regariing which
oneiegnnot help the other very much-that
is to one cannot help the other very much-that is to
prodidy
their own spead to meet the prodicted shortago of 1916 . Were it mot tho prodicted hango of thought, made possible throught a gathgring of this kind, growers midght encounter some
diffcoulty
in meeting such unexpoeted con conditions as are prophesiod for the near future. Delegatee tronit ill the local branches attend this anmual meoteng, and carry home to their neieghors the The representatives seamed pleased with the
 melh they might be for the the convention, and
chomen and their unterancea to to chooen and their utterancea to tho point. Pract minityor thersir experimenters, and teachera all

 of the vegotable growers.


 Of sellit, ere two braches that will require more intumbon in the future, The market in demand
nite Preestid ind sellers must meot these requests . The drrect to the consumer as much as possible and thit may be accomplished through co-operation wr, Baker alluded to the patriot selism of hisencieso.
 the virtims of the we
Torantreport of the Secretary, J. Lockie Wilson throusth an increaseorenco to porotuction, decreaso in pritices stabith of high oriceoprout foll the tequirements
 ing the grower is tho predicted shor tage of seed
ana in this connection Mr. Wisson said: Thar the opring of 1915 it is not anticipated constiderabio reservo crop from latet year, unless
however, steps are taken in 1915 for the









 Relative to this mater Mr. Wilson informed
the growers that the Federai ( $o$ overument had


 Reports from many local branches were read,
and the resulto of the
Field (rop Competitions carried on for the past three years rececived favor AA suggestion was made by the Socretary
faiso the membersaip fee of the local loranches
an example to all the other townships that may to stop the of Wesitation. And a Patre to have a Patic Con cert to gather funds to buy clothing for the
Belgian yictims of the war. Now that they have antarted they are going to wipe out thoroughly this particular community for not giving prompty and liberally, and nothing could have been

One man who had probably had a good breakfart usual simply changed a form of expression th usual simply changed a form of expression. "In-
stead of saying, "Wh ought to do something," ho
said, "We must do something " said, "We must do sommething,", and and now, " he hing is done. If one man in every other towntead of get up enough energy to say "must" induty. Seeing that every township will do its

## Vegetable Growers Must Co-operate and Grow Their Own Seeds.

## spoke in favor of the change, but no definite

CELERY BLIGHT CONTROLLED, Knowing the ravages of celery blight the vege work carried were interested in the experimental son, of the Provincial Department of Arriculture and it is conservatively curse in many sections, vicinity of Toronto alone $\$ 10,000$ are lost an nually through this scourge. Mr. Johnson ! was on a large operate with farmers who grew celery valuable, because they are based on field condiless than 10,000 plants, and ranged up to 75 , nouncedly one exception the outcome was pronouncedly favorable to the control of the blight, Ammoniacal Copper Carbonate. Mixture and fungicidal properties, and was used because it does not leave a mark upon the plant. The they appeared through the ground from the time week in' September, and some until ten the first fore the celery was sold or pitted: Check plots pare the results from sprayed and unsprayed
In one case near London the outcome ravorable, as 75 per cent. of the plants were
affected with blight. The cause of this Johnson has not been able to learn, but future
Jote experimental work, no doubt, will reveal the spraying was so evident that little doutage of the in the minds of the growers as to its value in Is. F. Reeves, of Hunter Bay, and R. H. Tier, cacy of this method of controlling in his advoappears that the treatment is a preventive, It a cure, for greatest good accrued where the Subsequent commenced before the blight appeared. fieldsequent spraerly devastated by the disease from 75 infection. Neighber the crop was matured free from were badly damaged, and in many cases valueless. Dabbs 75,000 plants grown and sprayed by Chas of blight, and demonstrated the the work. One year's experimental work has future trials. In them soume be substantiated by tures may be explained away. The trials will go
From calculations based on a $1_{1}^{1}$-acre field it amount to $\$ 12.00$, counting material and would This is a small amount compared with the income
from an acre of celery growing seed in canada

## ing sections of Europe, Paul A. Boving Mrow-

 home enterprise, Que., explained the necessity of aart "Necessity does away with reasoming," gardens,
Boving as he adver questionable whether it could production. It is profitable industry when open to competition with
seed-growing countries, for they have the advan-seed-growing countries, for they have the advan-
tage of chap labor, but the shortage in 1916 may necessitate an attempt here in Canada. Condivarieties of roots and vegetables up to the stage
of seed production, and the speaker advised the
start. Most of the plants grown by root and vege-
table growers are biennials, quire two years to produce, seed. Those that re-
planted the second year, and from them
the seed develops, The This year, and from them the seed
Thacteristic presents some a prood cellar is among which is storing. Where house them there, if possible it is an advisable to
tion surrounded posi-
Failing this peat, soil or moist sand. Thould observe the rules of the pitting grower The main young seed stalks the pitting practice.
of the room the crown
mutilated durinumequently it should not be
twisted off, or better stil
inches above the crown.
ne to two well-drained and protected by some whould be rich, the seed stalks are tender and break in the wind. be supplemented with 300 to 400 , buund it should phosphate per acre. Nitrate of soda should no be used to supply the nitrates. Growth will be this rank, and the seed stalks too tender. For meal is preferable, as it causes more or blood growth and furnishes resistance to wind pressure. For small roots 24 inches by 24 inches is a 30 by 30 . Three men, when used should be set will set about 3,000 plants per day to the work the holes, one placing the roots, and one plant ing, covering the root with soil from the hole ahead. They should be set so deep that the roots or on shallow soil it may be necessary ta till them slightly. Small roots or "stecklings" are sometimes used, but growers will be obliged this coming year to use full-grown roots. They should
fix a type in their minds, individual roots that will likely produce their kind. During blossom season the insectuce so scatseparated widely by distance, a corn field or be wood lot, else crossing may take place ond the product of the seed will not be true to type.
Turnips will cross with rape as bird rape; carrots will crope or the weed known so it may be seen that weeds should also carrots sidered. Mr. Boving recommends a distance of from 100 to 250 yards apart for different kinds and varieties, and separated if possible by some
high-growing crop or wood lot. We have only given excerpts we regret that more space was of not avais work, and a more complete reproduction of this admirable address. There is still the harvesting and threshing of the seed to be considered, and we shall en-
deavor to give our readers the beneftit of Mr Bovin's advice in future issues.
As representative to the American Vegetable Growers' Convention, held in Philadelphia, Thos.
Delworth, of Weston, brought home a volume of information which he unsealed to the Ontario growers. Press reports spoke highly of Ontario's delegate in Philadelphia, and the members at frome were well pleased with what they learned
froad. One idea communicated to the convention was the selling of fifty-cent packages of vegetables in the towns and cities by the
growers in the States. The grower was in a growers in the States. The grower was in a
position to give extremely good value for that money, as he retained the right to put in what vegetables as were in season and, to a large ex-
tent, to use his own discretion in what he should choose. This wavering of the right to choose on report ver the buyer is an obstacle, but somte Another featurod results from the propaganda. a manure which was dried and arters was the sale of form this treated manure contains ais much fertior nine value as five tons of well-rotted manure. This fertilizer could be purchased there for $\$ 3.80$ per ton, and looked like archased there for $\$ 3.80$ The spirit of cortilizing the land. program, yet the complete explanations of the Co-operation and Markets Branch, Chief of the Department of Agriculture. Mr. Hart emphasized the wisdom of starting in a small way and workimg slowly, in order that the society might be is not a scheme whereby one may get something for nothing; it is a businesse proposition, pure and
simple. Owing to the nature of the union of men and their purpose, it is expedient to employ a successful grower alone has not the qualifications for managership, he must have the business in the organization of any association, the mem-
int advised that
bars and bers should have a clear-cut conception of what
was to be attempted; and each patron should be
hound to hound to observe his obligations both moral and EXPERIMENTAL WORK. The work conducted on the Jordan Experi-
mental Farm was communicated by the Superin-

November 19, 1914
THE FARMER'S ADVOCATE
tendent, F. M. Clement. Exiperiments with peas,
asparagus, onions and tomatoes are being carried asparard with the object of improving varing carried
formough thave not beon substantiated sufficiently througlt number of year's trials to merit a definite report,
but growers are looking forward to the outcome but growers are lowing forward to the outcome
of Mr. Clement's work at the Jordan Farm. One lmportant undertaking is the installation. On system of irrigation to arrive at an estimate of the value of such equipment in vegetable gerden-
ing. A detailed account of all costs in conmec ing. A detailed account of all costs in connec
tion therewth is bing cooptiled, and its publica-
tion will be of considerable tion will be of considerable economic value to in-
tensive farmers.


Ing made and the scope of the work. With
tomatoe the Industry, Kondine Red and Ailssa
Crait are being tested under partment at thie Coilege under glass, and the DeIrom these plants toilege has a quantity of oo
tribute to groed years ago growers who would try them. Several ble an indoor cucumber of the American if possi-
the fruitith the fruitiong habiumber of the American typp possi-
will set freely
fof the Emglish varieties which the peresent time without being pollinated. ${ }^{\text {Up }}$ Up to
by several promisine efforts have been rewarded by several promisinge striorts have been rewarded
they expect to have fixed by the type of which vegetables are being developed, and and year. Other will be
wiso for gardeners in order to profit to ky the resuluch with the work
Veget

D. Logsdail. True it is, climatic conditions ait other zones of the Provice those prevailing im
vald valuable work is ise being dovine, yot, in spite of that, and Mr. toge
dail dealt chi dail dealt chicely with done there, and Mr. Loge
endeavors. endeavors. To show the tendencies of difierent
characters to crop out in the progeny, the reant of crossing corn were demonstrated by the eara where elves. This and other features of the eark At the evening session the growers. Minister of Agriculture, addressed the convention, Prof. Graham, of the O. A. C., revealed the rela-
tion betwee tion between vegetable growing and poultry raising, and Prof. A. H. MacLennan illustrater
gardening in all its phases by the use of slidea.

\section*{Ontario Fruit Growers Talk Mark

## Ontario Fruit Growers Talk Mark <br> Ontario Fruit Growers Talk Markets and Methods.





 portant features of the than production were the im-
 trom the program, tor such was not the bir-
eumstance.
There was a time
when



 the Worrders consumers, and encourraye thoms of
 trneyard, was the tenor of utisoussion orchard or
tinued tor two days


 what ig goor, that mart mots cease abstenance from axtended upon whioh the truit grower may bring

 Lions, but who usually extibititgreater wiscom in the execution of their own affairs, many momile at
 standiport they may arive at a saner under-
 thpo pod point, and the ultimate destination of
not predicit. Its character or its scope we dare

 Crow reapiresentative of the enterprise Prof. brought the eattention of of or of telege stes tot to the tact. and
There ere




 its man zore community and hamlet should send
tomer in order that the
 antes of the industry. The Asociation or assali-
eftective and has accomplished much, because
those broad minded ave and stoo shy the work have been
support, hovever tans.
sen















 affliated with the Central.
er, Dbounghnon, the the Dominition Fruit Commissionception of the fruit aituntion an anada-wide conby a visit to the orchard lands of the the gemend
Steten some idee and manketing; with referencence to to this purvey Mr.
Johman
Jon rem n remarted
Scotin tho tamous Anappolis Valley of Nova
 amount of trutt. The orchards frome yer maximum valley some 100 miles long, and an averamed in a
 that the growers are giving their trees asoare
na thate
 mañ years. Now Brunswick is alion planting,
and on the sloping bank of the st are thousends of acree of young orchard ohn River


 ncreasach while in otherr San Jose scall has wited
the orchards out or exitence but will agree with me that one halr of our 10, oopo, Oon apple trees are not yet bearing. It it id only
necossary to drive up and down to concessions of the truit-producing dibetricts to be convinced
that our orchards are
 When brought flace to facce with them it whas
 seldom sean in ontario., 1 it is true that they aro
only producing some 1,000 carloads
at ande tris only proweing some Poo carionad of aplee this of the treea are under five years of age, and the Other third practically only begining to bear. and Idaho are in a ilie position prontont oregron
some 15,000 cars.
In view of theso facts. T Town time: What of the future ? Thysen fime after mindd is the extension of markets and the use of
moderen at home avertising to increase onsumption both


Speaking more particularly of the disposal of
truit organized community entort reeceived consid

 rise of handing fruit one sume tent that an
association could. The risk this year was altogether toi creat for them, and they did not ap-
pear at aill.
The resesult was that



ciety, either by f. o. b. sales or on consignment,
in carload lote, in such a way as to make a fair
profit on the season's The Commissioner expressed the belief that firty per cent. of our urban people are scarcell them are not eating half as many as they should. Odvertising campsige Government carried on an resuit that the Commissioner's weeks, with the
ceived 36,000 letment ro apples might be gootten and how enquiring where
served. Whole should be Canada claimed that consumption had been in-
creased through the also informed in Wastington that a large aspocia-
tion, The speake waa zavertising oxpenditure of tertain number of carloads of of
apples, increased the net apples, increased.the net profit 25 cents per bot,
or, in other worde, an expenditure of 10 centis
per box brought the per box brought them. in 85 cents. On thee
grounds he concluded that the setting apart of 5
or 10 cents per barrel for advertising purpo or 10 cents per barrel for advertising purposee
would have brought the names of growers and aswould have brought the names of growers and at
sociations prominently before the, public, and
would have returned a good reward for the al penditure.
How to bring the product of our orchards to
the consumer at the least posslible cost is another
matter requiring the the consumer at the least possilile cost is another
matter requiring the most carefni consideration,
Mr. Johnson stated without hisit least twice astated without hesitation that at
this yent this year had transportation charges and the pro-
ducer's receipts been the only cost to the consumer. Only recently the Oity cost to the council of Ottawa
imported a carload of apples imported a carload of apples from Western On
tario in bulk formm and placed the contents of one barrel in the cellar of the consumer for 81.80
A single notice in the paper wase sufficient to moll
the shlpment A single notice in the paper was sufficient to sell
the shlpment before it arrived. The producer got
a fair price for his apples, and the conduiner got a fair price for his apples, and the consumer go
his fruit at less than half what he was paying
for expensive packages when he bought throug the regular channels of trade. bought through
In another in-
stance the growers in Prince Edward County were paid 25 cents per barrel on the trees. The frule
was picked and loaded by the buyer in bulk form on the cars, piling them some 21 feet deep. They
were handed over to the retail trade in ottawa for $\$ 1.00$ per barrel, and were distributed to the The fruit arrived in good condition and was just the class of apples that a great majority of the
people want, but it should have been handle people want, but it should have been handled
more directly to the users. Mr. Johnson is very form, especiolly ing the moving of apples in bull as 1914 . In the former instance where the city handled the apples there will probably the city bate on that price, for they were handled mrore
cheaply than was expected. What effect this aye tem of moving apples may have on the trade re-
mains to be seen, but the commisfing it a suggestion that will assist in placing the grower's product before the consumer at a much-
reduced cost. A LESSON IN MARKETING. "We have been boosting and boasting," said
Prof. J. W. Crow, of the Ontario Agricultural
College. hut weol the fruit industry where it is advisable to more attention to the plantation now out phay
to planting more trees. Production has to planting more trees.
a high maduction has reached
market and the grower must extend the market, but the power of advertising is very
great, and it is the only means the producer has at his disposal whereby he may increase the con-
sumption of fruit. Prof Crowv to this last statement, using as an illustration certain articles of food. from the advertising of known by the public that a retailer was obliged
to stock them even sometimes at a small profit. It is not always nor often advisable for the grower to become a selling agent as well; they are two different professions and require difierent
abiiities. The grower should, however, keop the
consumer informed what varieties are seasonable
end what the prospects are.. In seasons of an abundant crop, the users expect a lower quota-
tion. They buy early and consume more, thus tion. They buy eariy and consume crop moving, with the result that it tarting the crop moving, with the result prices
is usually handled at an early date and
rule high at the end of the season. When the rule high at the end of the season. When the
crop is light a high quotation is sent out, conerop is light a high quotation is sent out, conand eventually rule low. This has actually oc-
cured time and time again, and the greatest cured time and time again, and the greatest prof
System in selling is emphasized in the appearDuring the last fiscal year the importations benaniss into Canada were valued at $\$ 2,663,453$ crapefruit at $\$ 3,630,329$. . Prof. Crow estimated that this vaiuation of oranges and grapefruits ephich Which enormous trade was attributable, in part, pers. True it is, bananas have a high nutritive value, and oranges are uniform, presenting a small
degree of waste, but apples are superior to the latdegree of waste, but apples are superior to the lat meet this stern competition apple growers must pay special attention to their article, but Prof. Crow's contention' was that the injunction t pack a better article was ineffective, because it
did not get at the root of the trouble. The greatest saving and improvement mrust first occur in the orchard through the elimination of a hig o-operative association does not have the power
a his hands to cull the pack or enforce its being
to the standard of the society. Most up to the standard of the society. Most turned back a member's offering, and to insure
the stability of an association and the reputation the stability of an association and the reputation
of its pack only those growers who are known too of lis pack only thode growers who are known t
be advanced in their methods and honest in thei ealings should be admitted to membership.
The speaker was firm in his belief that the greatest change must come about in the orchard en improvement in the fruit. A discussion arose over the value of thinning apples, and its relative
merite in this direction. After considerable figurmerits in this direction. After considerable figur-
ing ©Prof. Crow was able to show the delegates ing Prof. Crow was able to show the delegates barrel through thinning. This does not include the cost of thinning, but the expedition with of the season,' will counter balance, to a large extent the actual cost of the thinning, thus leaving
a considerable part of the $23 \frac{1}{2}$ cents per barrel a. considerable part of the $23 \frac{1}{2}$ cents per barrel
with the grower. The same matter arose later, and under a different heading in this report some experiments relative to thinning

FLAWS IN ORGANIZATIONS.
F. C. Hart, Chief of the Markets and Co-opera-
tion Branch of the Provincial Department Agriculture, brought some points very emphatical-co-operative associations in were of interest to
thene the false economy of trying to run the organization too cheaply. Some, he remarked, will not
advertise, and they lose sight of the business aspect of the proposition they have in hand. In illustrating this point he referred to the "Sunkist
Orange" so common on our markets, which is only one example of what an association has done
through united effort and adverticing to their product on every market of the world. It was, capitalize their own business. The selling of shares and the practice of using notes for security were mentioned with preference given to the latter plan, for in this case an association is not obliged to raise interest on the money. The
notes are simply held in reserve until more fnnances are required, when the banks will advanc the money on the security offered by these notes.
As a safeguard for the society, in order to carry it over rough places and meet emergencies Hart expressed himself as firm in thre belief that
every association should be obliged to retain a reserve fund. Another feature in connection with co-operative
associations is the auditing of their books. True
it is, most of the gasociation appointed auditors, yet Mr. Hart believes that an would be a valuable adjunct to his department Such an accountant could review the books of
any association, and perhaps point out some
weak places in their system weak places in the important e

> CHERRY FRUIT-FLIES

The attention of cherry growers was directed
y Lawson Caesar, the Provincial Entomolorict by Lawson Caesar, the Provincial Entomologist
to the work of an insect which has acted as
serious deterrent to the production of cherries in
the Niagara District. The insect is known as the
much and has often been taken for that of the
Plum Curculio. The crops of some entire orchards in the Niagara District have been
rendered practically valueless through the depredations of this little fil
The reason that the Plum Curculio has so maggot or larva which is one stage of the liff history of this fly, works within the fruit and is similar to the larva of the Plum Curculio. There
is considerable difference both in the adult and in is considerable difference both in the adult and in
the other stages of these two insects. The larva of the Cherry Fruit-fly is found near the pit where
it has rasped the pulp away and devoured the it has rasped the pulp away and devoured the juice the outside of the fruit, but often small vents may be seen which are made for the express purpose of supplying a liberal amount of fresh air where the magrot is working, depression athova presence would not be detected until the fruit is picked and being preserved.
size of a house fly. Owing to the thirds the ties of two different species Prof. Ceasar has seen fit to call them the white banded and black bodied Cherry Fruit-fly. This is on account of one species having four white bands on libe body of the bodies of the other species are dark in color. The wings have peculiar markings of dark and light colors. The fly itself is very tame, and can leaves. Cherry Fruit-fly passes the winter as a
The pupa in the ground. It is a little, brown,
straw-colored, oval case buried about an inch or an inch and a half beneath the
surface. The adults emerge from these in June and early July. Those of the black-bodied the Niagara District, the other species about the end of the second week. The majority of the adults of the other species is out about. June June 22nd. The white-banded species about fourteen days before they begin to lay eggs. It is very important to know this, for upon that Their mouth parts are similar to those control. house fly. They gather up small particles of food solid particles tuing tube, as it were, and when they excrete a small amount of saliv in this way, eggs she solon. When the fly is old enough to lay those just beginning to color. The egge hatch in about five days, and tiny larvae or maggots at
once work their way down to the pit where live upon the juice. In two weeks or a little
less, on an average, the magrots less, on an average, the maggots are full grown.
When a maggot has reached its full size it works its way out of the fruit, drops to the ground and Owing to the time and peculiarity of the feeding habits of the adults, they are easily conpounds of arsenate of lead in forty gallons of
water. water. To this should be added nearly one galvery much attracted by this sweetened material, face of the leaf as well in order that it will not wash off with the first rain. During the first sea-
son one spraying will not control the insect, but a second spraying about ten or twelve days later and sweet cherries will practicaily exter late sour Prof. Caesar laid stress upon the injury that
could be brought about by this insect also very emphatic in his statements but was pest was one of the most easily controlled of any
the orchardist has to contend with. PEACH CANKER.
An important disease of peach trees, known as
Peach Canker, was thoroughlv discussed Peach canker, was thoroughly discussed by W. A.
MCubbin, in charge of the Dominion Fieid
Iaboratory of Plant Diseases at St. Catharines. prepared slides of specimens were thrown upon
the curtain, showing the disease in all its de-
velopments, and it is impossible in justice to the address. As to the character of
the disease Mr. McCubluin caid of "Althrough this disease cannot be considered as Peach, it is still sulficiently important to warrant
attention. The damare done year in the peach districts of cankers each
yreater than is generally krown. Not is far
only is there a great destruction of individual only imbs by
them, but whole trees are often destroyed hy cankers developing on the trunk or around the
crotch, and it is quite compon to see trees of
which a half or at third has been lost by the
formation of a canker near the trunk , ",
The canker itself is a routhened, diseased condition canker a t wiself is a rouchened, diseased con-
stroys the growing tissue and the lumk which departs roughened and unsightly. In the early stages
indicative of canker, for this takes place at any cut, bruise, crack or injury in a healthy tree. present in the gum or exudate which surrounds canker, they are not the primary cause. Spores of different forms of fungus are considered the perimental work has been done injury. Much exin his efforts to ascertain the cause of canker in peaches, with the result that Brown Rot, such as attacks plum and peach fruits, causing them to fryit, and another fungus, known technically ytospora, are largely responsible. Ilean out all dead and dying wood, is necessary percentage of cases the disease begins at dead wigs. It would be impossible, of course, to re from natural causes, but where they show signs of canker on large branches or the trunk it als
weli to take them out. For similar mummied fruit should be cleared from the tree. It would be absurd, of course, to try to treat
cankers on the smaller limbs, but where cankers on the smaller limbs, but where a canker
involves the trunk or main limbs it is well worth nvolves the trunk or main limbs it is well worth
while to get it to heal up. The main to put the canker into such a shape that the callus around it will grow sufficiently hard and this is to clean out will the gum best way to do bark, to allow access of the sun and air and to keep it as dry as possible. After a rain is a good time to do this, as the gum is then soft, and it should be done early enough in summer soing it is well to wash or brush out the canker with an antiseptic solution (corrosive sublimate - 1000), and when dry to give it a coat of stroys all fungi ir and about the canker, and the paint prevents them from invading and rotting the dead heart wood afterwards.
This treatment costs for labor and materia)
bout 5 cents per canker, and has given excellent about 5 cents per canker, and has given excellent
results in the experimental work carried on during the last three years by Mr. McCubbin, as well as in actual practice by some of the Niagara peach

PRECOOLING OF CANADIAN FRUITS,
Edwin Smith, who is now in charge of the Grimsby Cold Storage explained the precooling Carada. Precooling is not a new thing for or far back as 1872, Parker Earle, of Cobden, Ill., cooled his fruit before sending it to Chicago. The results justified the practice, but it was not com-
monly known of until Harold Powell, of the U . S . Department of Agriculture did more experimental work in shipping peaches from Georgia to
New York in 1904 . The favorabie outcome of
these investigations acted as an impetus to tender fruit transportation, expecially that of the orange. Interest in precooling in Canada has Ied to the erection of the plant at Grimsby which is carrying on experimental and investigation
work. It was only initiated during the summer of 1914, and since there were no peaches much of its usefulness was not realized. However, the 35 carloads of tender fruits were precooled and shipped West at freight rates. For preparing tender fruits for shipment, for storing berries
and such in case and such in case of a lagging market or demand or for storing fruit in order to maintain ad
even supply on an otherwise glutted market, there even supply on an otherwise glutted market, there
is no doubt as to the necessity and efficiency of
such a plant. Mr. Smith dealt fully with the such a plant. Mr. Smith dealt fully with the
different systems in vogue, but space will not permititerent systems in vogue, but space will not per-
mit of reproduction here. The speaker also
described the necessity of precooling and said : Tt must be understood that to precool fruit it
is not always necessary to have an elaborate and expensive plant. Anything that lowers the
and empary to have and
temperature of the fruit previous temperature of the fruit previous to shipment
tends to check its ripening processes and post-
pones deray pones decay. At Summerland, B.C., a type of
Hlant is being experimented with that costs from
$\$ 1.500$ to $\$ 3$, oxp Mlant is being experimented with that costs from
$\$ 1,500$ to $\$ 3,000$ and is giving splendid results
At Mission and Hatzic, B. C. the provincial Dept. of Aøriculture has carried on experiments to show the beneficial results of using the cold night air
that they have in that reqion, and also by pick-
ing rasplerries in the early morning while the ing raspherries in the early, morning while the
dew is yet present and removing the moisture by
fanning in a Dehydrator hefore shinin fanning in a Dehydrator before shinping. Such
an appliance costs but from $\$ 25.00$ to $\$ 50.00$, an appliance costs but from $\$ 25.00$ to $\$ 50.00$,
depending on the size and so successful has it
been that the prowers have hecome enthusiastic Theen that the growers have become enthusiastic
ahout it and are picking in the rain and maling
verv successful shimments after dehydrating. The
practice practice of wet picking is not to he ncouragod
in regions where plenty of dry weather is to be
had had. Mr. J. O. Wiggen of Wyndale, B.C., cools
his strawherries by placing them in a cooling
house situated in a throueh which currents af cold air pas ravine.
thuring
the nicht. This practice coupled with his admir. the night. This practice coupled with his admir-
able cultural and harvesting mothods gives him
a wond able cultural and harvesting mothors gives him
a wond rful reputation in all his markets and he
thus commands high

NOVEMBER 19, 1914
THE FARMER'S ADVOCATE
1983
IIMS OF THE VINELAND EXPERIMENT $\$ 4.86$ for the unthinned trees, a gain of
Fruit growers must keep in touch with experi-
uenters and their ion at Jordan Harbor or Vineland is now directdimy. F. M. Clement who explained its purpeses, imse and methods who have had an opportunit, Growers he farm this summer expressed their approval Its management and the work being done. Mr. farm was to experiment and in this connection told of the tests now being carried through. .. variety test section looks like an interesting and nstructive experiment, but yet not nearly so
nteresting as more than 1,040 seedlings of Early Crawford parentage at present showing various degrees of hardiness or thrift. No two are alike.
In some, the growth is vigorous and the trees Ln some, the growth is vigorous and the trees. their parents. In others, the or oreth is wean
nid being claimed by disease. Mort than 5 , and being claimed by disease. More than 54
varieties of grapes make a nice collection and ery, attractive exhinit when neatly arranged but as 5,000 sedlings of known parentage growing in
the nursery plots.
The same might be said of of the nursery plots. The same might be said of
strawberries. ${ }^{\text {The }} 92$ varieties yield a fund of information but not nearl so much as the the of
indviduals growing in hills near them. is not only a stadran varieties and old duction now commonly in practice An experiment conducted this year in the thin-
oing of apples is of special interest.
Forty-six old orchard are admirably adapted to such an experiment. The varieties are largely
Baldwins and Greenings and this year as a whole
they were heavily they were heavily loaded. Twenty-six of the
trees were selected at regular intervals and thin aed, care being taken to leave the fruit well
scattered over the as possible. An average of 3,191 apples
removed removed from each tree. An effort was made to
leave only one apple to a spur and often not that
it there each other when they had attained full size. Th Work Was done from the 8th to the 16 th of July auts and smaller. Thas about the size of shalled wal-
cost of 31 cents a paing whears procured at a otems rather than pulling off by bed to cut the three-quarters days for two men or $11 \frac{1}{3}$ days for
one man were required to do the wind
 77.4 cents, per tree. One fourth of this time was
used in picking up and counting the ased in picking up and counting the apples, which
is equal to 1.3 cents e tree or 58.1 cents net
tree is equal to 19.3 cents a tree or 58.1 cents net
tree for thining as is done commercially.
The 26 thined trees vielded dotal The 26 thinned trees yielded a total of 48.7 bar-
cels of of firsts including fancy, 51.1 barrels of
seconds and seconds and 20.5 of culls. The culls included all
the windfalls. This gives an averave of 2.46
 fielded 25.4 firsts, 23.6 seconds and 23.7 culls
including windfalls.



## a return of $\$ 5.20$ for the

Toronto, Montreal, Buffalo, and Other Leading Markets.

Toronto.

| - ${ }^{\text {aro }}$ 281 |  |  |  |
| :---: | :---: | :---: | :---: |
| , on Monay, Nov. 16, were 281 |  |  |  |
| , comprising 5,322 cattle, 3,435 hogs, |  |  |  |
| bulk of the cattle were common and |  |  |  |
| dedium, all of which were of slow sale, |  |  |  |
|  |  |  |  |
| werc eng canners and cutters, and these |  |  |  |
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| rs, $\$ 4$ to $\$ 5$ milkers, $\$ 60$ to $\$ 100$; |  |  |  |
|  |  |  |  |
|  |  |  |  |
| and watered; $\$ 8$ <br> $\$ 7.40$ \& 0 b ca |  |  |  |
| enilew of last week's markets The total receipts of live stock at the |  |  |  |
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cholce cows, but declactly, asier tor the
common cow and late
crange in pringers.
The

 Veal Calves.-The domand has tallen ol



Sheep and Lambe--Receipte have boan
Tairy large, and pricee wore Armer




 breadstuffs.
Whent.- Ontario, No. 2, 81.10 to 81.12
Outside: Manitoba, at bay porta, No. torthern, 81.28; No. 2, \$1.224, now


THE FARMER'S ADVOCATE


Sale Notes We collect or discount salo
notes for farmers. Notes left for collection are Secure aguinst fire or burghary,
Oend the maters are notifed of
the due date. the due date.
When paid, the money goes to
your credit without any trouble your credit
We shall be glad to furnish your
with the note forms froe of charge.


The Bank of Nova Scotia Coital and Reserve Arr,000,000 sRANCHES of THB BANI min Nerer Cumadiuan Provibec, , end








 were fairly good, and prices were mod-
ereately firm, at 7 the. to 7 tes for Ontario
sta
 sold at 4tc. to sc. Car Quesebec. Sheep
somed ery
litte change. The common rowed very
$\$ 3$ The. $\$ 3$ to $\$ 6$, and the best up to ang hish
as $\$ 10$, ach as $\$ 10$ each. Hogs were onderately
firm, and prices ranged around
fin arm, and prices ranged around 8c. pe
lho. weighed oft cars.
divance
Some predict an

ing orses.-There was almost nothing go
mark in the horse market, and the market was not very frmarket, and the
mostly at $\$ 1100$ to 8200 Trang was


 each. Lighter horses ranged trom $\$ 123$
to $\$ 150$ Broken-down, old
were.

 mild. but snow had fallen, and the gen
隼a t tone of the market had sliche
proved







|  |
| :---: |
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 2 foed ex store. Fliour-- Prices of Ontario flour were a
little lower ci some tantances, but gen-
erally
steady.
Ontario per barrel in wood, and straight rorlers
$\$ 5.50$ to $\$ 5.60$. Manitoba Arst patents
 Milled.-Prieces were again higher, both
for November and December delivery

 $\$ 38$ per ton for pure, and $\$ 30$ to $\$ 82$
lor mixed, these prices being higher than a woek ago. hay market was decididedy
Hay.-The hay
frmer. No. 1 pressed hay, Montreal,



 Lamb skins were $\$ 1$ each, and horse
hides ranged
from
$\$ 1.75$ for
No. at



## Buffalo.

The quarantine against foot-and-mouth
disease resulted in the leading American
live


 that amount, so general has it been i
its appearance in in diferent States.
it
treen fitteen and
 Sommunicated by live estock being shipped
trom incected and exposed sections into
Lean parts of the com infected and exposed sections in in
cien parts of the country. The too
and-mouth disease is something practice W new for American authorities to deal
with. Confined to a timited ith. Confined to a limited area bix
yeara ago it was extinguishead within Comparatively short space of time. Th
Federal Government has been workin long with the state authorities, an
here is every reason to beliere spread is becoming much becealized, an
here is reason to conald there is reason to conclude that the lead
ing markets will be opened again Ing markets will be opened again tor
business next week.
imusiness will usiness next week. Business will
limited, howere, as reutiations at the
rriting confine shipments to tha th
 Cates where the disease has been
corered and the state quarantined.
will probabily be the policy
 ase, and in this manner of removing the
ambargo on a count at a time, or
eroup of countiester

"HOLEEALE fRodCce Market



Lay the foundation of an enduring prosperity

Canadians everywhere are taking advantage of
the $\boldsymbol{r}$ present turn of the pres
events.
Factory wheels are beginning to spin with the manufacture of goods that cannot now be imported from Europe.
Farmers individually realize that the Empire
will need their cattle as never before They have accepted the
responsibility, and responsibility, and even now
are planning to have increased acreage under crop
for 1915. for 1915.
You can do your part by
"cutting out"
needless extravagancest ne nedess ex-
surplas earninat melt your surplus earnings.
Don't be stingy, but_keep
down expenses. You can't find a safer
place to deposit your savings than with the staunch old
Huron Muron is Erie. Your fac-
count inver
large or small count or i in
large or smal

The
Huron \& Erie
Loan \& Savings Company

Main Office:
442 Richmond St.
Market Office :
4-5 Market Squaru
London, Ont.
T.G.MEREDITH, K.C

President
HUME CRONYN
General Manager

Chicago.


Trade Topic
Cheese Varket


Five Souls. First Soul.
 Ruadia, in danger. needod every man

For thoe who bade me Ight hat told
1 was a Tyrolecos,
I gladedy ary tert my mountain mountaineens
Againot the brutall, treacherous Muscorz
And diod in Poland on a Cosesck apear.
I gave my life for treetiom
T gave my life for fredom-This I know:
For those who bade me fight had told
Third Soul.
When suded in Lyons at my weaver's loom,
the hurled Arusfian despot
Hias felon blow at France and at the
Then I world forth to Belgtum and my
I give my ife for freedom-Thie I know:
For thooe who bade me fight had told me so. Dowe me fight had told

- ${ }^{\text {owned a }}$ Fourth Soul.

Until the Fatherland, hegirt wooded Main, Lusting her downafall, called me, and I
${ }^{8}$ switt to to the call - and died in tair I gave my lite
those who bade me fill fht I know:
mo so.
morked Firth Soul.
Clyde, great shipyard at the
ar. came a sudden word of wars de

Of Belgritum, peaceful, belpless, unore | Aeking $\begin{array}{c}\text { pared } \\ \text { died. } \\ \text { didd: I I joined the ranks, and }\end{array}$ |
| :--- |


me so. bade me fight had told

The Militant Idea. TREITSCHKE, NIETZSCHE AND
BERNHARDI.
 Ophton about an absolutely unbiassed
theg, perh ant anything." Broadly apealk Pag, perhaps, the coatention was right;
therte may bo people in the world to
hitor

 be qualilafed toptation of the word, as to they are fere indeed, truly great souls,-but
 to conclude with has he found it harder taranclude with out prejudice than in in re-
come to the great catastrophe which has come upon the world or or opho which has
Horld
Hord has blundered, , during thich the 1914. It it hanered durlng this. year of
fough of thar indeed to get hold of clear clue to the causeas ends to afford a
 be, or whth to foretellil where the end may bl long.draver the ultimate result shall
planet." or distant to this "unhappy
 the maccording to the slow brinding ot
evolution of fate in the great scheme of $\xrightarrow{-8}$ tho the thinker $\ldots I_{n}$ the meantime

and "'the Emateri-ready to die for "the en
German, Frank," and a principle. are alike. The German of the renk and
file becuns ready to Aght, to begin with ever-extending hussia, and fights populous, a wild animal brougt to to bay nocause
the
"Fatherland," dear to him country is to to lo dear ue, io him has home hom
overy side by foes; the Frenchman fin on
becauses because of his long-standing dread of
German power

 Britain's obligations in the Triple Entente


Toronto Exhibition Park a Military Camp.
must not clear postulate that Garmany many succeeding 1871 was not the Ger "neutral" Belgium and obtain a foothold many that produced a Kant, and a Hegel n the sea so near to Britain's shores. So mushroom a growth indeed bas been clearly defined.

 their findings in regard to the croat Wr, winning of Alsace-Lorraine, And the rich seems to be that the confiot upon lindimg ity of two hundred millions ster-
the part of the Allies is being ling wrested waged against the "spirit" of militar- ling wropulace sode from the helplees French
 "German" miltarism, hated because the Great, wish for other world to conquer?
most aystematized and most formidable or did far-seing minds "/imply foresee


Helping the Red Cross by Selling Cookery to Automobile Parties.
what nation-with the nation world. For of Canad ${ }^{2}$ and the the exception, indeed,
relations relations towards each other-can in declare place at all?
day, it is to to be hoped, mare advanced
appear in its terism will not streng its true colors, as weakness, historian will point hanger of the future policy of the world bock to the armed
relic of medievalism, and to a plitiful worked-out "system" of Germany as the one blot on ay otherwise cultured, and
clever, and wonderful people sed," they will say, "tor "Germany
a. coming pressure of surrounding natione a. necessity of so populous and land-girt sea - cony as Germany for expansion and large in the dusky but all-pervelism hoom ground of things ?
Whater of 1 opinion of the reason, the consensuuf seems to point to war critics of to-day propagandists of the militarioutio the groen frussia, an "Idea" which, flltering down colored the teaehing and life of the Unt.
versities, directios, and or on, on, perrmeating ong or the mases. or Therruling the thought of
schle, Nietzechese three men are Troitschke, Nietzzche, and Bernhardi, the one
a political historian, the second:
dreamer,
 training
As the
As the war goes on the questioning
ourside of Germany an to who thene men
are end what they have done becomen are end wermany they to who theoe done becen
more insiatent, and so a brief ikectomen of oach may not be out of place.

Heinrich von Treitschke was born in
Dresdea in 1884, and died in Bertin Dresden in 1884, and died in berrnin in
1896. He was the son of an offcer in the Saxion army who eventunuly became
military governor of Drenden, but Treltmilitary goveryor of Dreaden, but Trelt-
schke himgelf was prevented from enter-
ing the service by
 studied at the Universitiee of Lelpzilg and
Bonn, and subsequently, by his leotures
as Protessor of History Bonn, and subsequently, by his leoturea
as Professor of History and Politice at
Freiluurg Frelburg, Leipzilg, Kilel, Herdelbere mith
Berlin. did much more for the millitary Berlin, did much more for the millitary
development of the country than he could development of the country than he could
have done in any offcial capacity $\mathrm{In}_{\mathrm{n}}$ the
army.

To begln with, Treitachke was a Atrone Cermany whose pet acheme was to aee parliamentary government, but in 1868 pathies with Pruak of the war, his aymm he went to Berlin, became infiamed thal subject, and took the position of edito Ilshed violeat diatribes in which the puibroyal house. In 1871 he became Saxion ber of the Reichstag, also editor of appears as the chies and henceforth he House of Hohenzollern. His or the "Hiet achievement was, however, hle Century," of which iny in the Nineteenth peared, his death preventing the comple monumental ta Podi quote from Britannica Bnoyelo one to mould the minds more than mnygeneration, and to promot the risting power of militarist Germany. He rupg ported the Government in it attempta to subdue the Socialists, Poles and attacks on the Jown which began in
1878." 1878 ." In 1879 he was the first to ac
cept the new commercial policy of Bimarck.
At all times Treitschke was an inver-
erate hater of the British, whom then garded as the greatest stumbling-bleck in the wayht to establish propaganda which he German culture - to his mind the only true culture-over the world.
Yet be didd Yet he did not write for the world.
He was no citizen of all lands as was He was no citizen of all lands as was
the great Goethe before him. Ho was
Prusian Prussian to the core. "Forelgn crittice
do not like my books," he sald once when the matter of his indifierence to
non-German readers was broached to him; "That is natural. I write for Germans, not foreigners." His doctrines,
then, were to be imposed, -and by Ger${ }_{\text {mans. }}^{\text {In }}$ the words of Profegsor Cramb, "Treitschke has become the Bible of mod-
ern Germany," a popularity probably due
to the fact that his teachings have been
ceught up and exploited by many mili－
tariet disciples，among whom Bernhardi
to leader． $t$ a leader．
Ot more midespread tame，beyond th boundaries of Germany，at least，was aear Leipzig in 1844，and died in 1900 ．
He，too $^{\text {a }}$ ，studied at Bonn and In 186 he became Professor．of Classical Philology at Basel，but in 1878 eye and
brain trouble caused him to give up the brain trouble caused him to give up that Wived at heallh resorts，dashing ours from time to time，and usually in the face of keen bodily pain，the brilliant and fas－
cinating，if often irrational and emo－ tional essays which have made his name－
tamous．Towards the end of 1888 he tamous．Towards the end of 1888 he was pronounced hopelessly insane，and Anarchistic，individualistic
emocracy，gifted with fine powers of prossion，mow emphatic，auw romantically endefinite．Nietzzche was able to enchai
the fancy，even where he could the fancy，even where he could not com mand the reason，and，indeed，he has
threatened to become，even outside o Cormany，the center of a cult as well a
subject for a vast army of critica． subject for a vast army of critice after a fashion，altruistic，accounts in part for his popularity，and yet that altruism was to be reached by far－fetched and devious ways，long removed from th ple in their relations with contempor arlies．He looked to a future of＂over－
men＂or＂supermen，＂and held that to men＂or＂supermen，＂and held that to
the coming of that race everything must be sacrificed，－Darwin＇s＂survival of the attest＂carried into the ranks of men Weak individuals and weak nations must ．．．A
Nietzsche has come General von Bern－ hardi，who by his lectures／and writings， Nspecially his books，＂Germany and the Next War，＂＂published a year or so ago，
and＂How Germany Makes War，＂，has cought to confirm and extend among his countrymen the militarist idea． By reason of it，all Germany has be－
come one vast armed camp，－among the armed camps of all the nations the most persistent and the most thoroughly im－
bued with reliance upon the arts aimd mechanisms of war．
with the arts and
somet Somehow，Europe，with Germany as the
plvot，has swirled into the Great Con－ sfict．Day by day thousands of the bean of all nations are being ground under the Jagganath，nor is oven the beginning of the end in sight． blity of the rising again of the milital－ tst idea anywhere？Or will the old menace go on，this nation，and that，and
the other，arming to the teeth working－people stagger beneath the bur－ den of a ueeless taxation？One thing，at least，soems clear：It can never again
be gaid that arming for war is a guaran－ Perhape one feels helpless in the fece of insuperable questionings，yet the mind of man still looks upward．What better
can it hope than in the words recently expressed by a writer in a contemporary magazine，the Toronto Glohe：
Ulusionment out of all this diabolical dis－ ences．this trust in fogtor be they nex de brave，and navies be they never so bi there will come home to all our nation the primary truth all history teaches
that there are no sure defences for the nations in the new day of civilization oxcept the democracy of Good－will：：m
tmpregnable fortifications except Brother tmpregnable fortifications except Brother－
hood：no irresistible armaments excep hood：no irresistible armaments except
Service：no preval＇ing diplomacy except Truth．Call this Utopla？It is indee Christian civlization．Its opposite，a
the nations of Europe now know，is Eell．
Only through service can man attal rreatness，and until he has made himsel king． servant，he Cowley．
k．

It is no proof of a man＇s understand Ing to be able to confrm whatever he
pleases；but to he ahle to discuss what pleases；but to he ahle to discuss what
Is true is true，and that what is false is is true is true，and that what is false is
alse，this is the mark and character of
ntelligence．Emerson．

## Women＇s Institute Con

 vention，London． he first held in western ontario．Following upon the heels of the＂firs Women＇s Institute Convention held in Eastern Ontario＂＂at Ottawa，came＂the don，voted an immense success，＂not only
doy the delegates，but by the Superin－ tendent himsell，Mr．G．A．Putnam，who has now more conventions to his credit
than he has fingers and toes than he has fingers and toes．The
weather was favorable－no weepy days and，doubtless．much of the satisfactor ness of the occasion was due to the ex－
cellence of the hall in which the meetings


Following in the Wake of the Army．
The French Army＇s food supply on the march．Copyright，Underwood \＆Under－
were held，the Auditorium of the Y．M．as did also Mr．Putnala C．A．，a theater not too large for such that the magnificent work the Woment gards acoustics and seating． At the various sessions the following wounded．the soldiers in the feld－who ladies presided with much tact and cap－poor so mans socks and warm clothes，
ability ：Mrs．McKay，Ailsa traig；Mrs．less and rendered home ability：Mrs．McKay，Ailsa Craig；Mrs．
Coutts，Thamesville：Mrs．Dawes，Bel－ 1 less and helpless by the ware rendered home－
of itself，to mas served， mont，and Mrs．Hagan，Luton． $\begin{aligned} & \text { Throug } \\ & \text { Throughout，}\end{aligned}$ of itself，to mark out the Women＇s In－
stitute as one of the miost influentia Throughout，as might be expected in $\begin{aligned} & \text { strute as one of the most influential } \\ & \text { this strange and awful year，from thations in the Province．}\end{aligned}$ 隹 this strange and awful year，from the Mrs．McKay，Ailsa Craig，after sketch－
opening address of welcome from Mrs．ing briefly the devel clear，the best kind of patriotism，too sink deep into upon a point that should Which concerns itself with the question，especially at this time，that we should And the word was helped out by the and sane，far above the danger of high

German Lookouts Guarding Camp while Foraging Expedition here food is being prepared by a number oof foragers．Xote the man at
left is wearing the Iron Cross ，The soldioro
deed．for here and thare throughout the audience might be seen women knitting cidentally it might be mentioned that a man who came in on one of the trains lo London on the first morning，saw apparently of onemen，all knitting，and who they were，he was informed that they were delegates of the Women＇s In thente，en route to their＂parliament＂ mphasized City．Truly，as Mrs．Boomer amphasized in her welcoming address，
when urging affliation with the local Nan urging affliation with the local
National Council，＂combined forces may accomplish much．＂
Mrs．McTurk．of Lucan，in a very happy
reply to the address of welcome，noted，

word was helped out by the swamped by mata

int wearing the Iron Cross．The soldiers in center are pluck an at
the war，we were becoming istio，too anxious to posseess＂things＂nol t is ours to learn the lessons of self－sacri fice．Women，she said，can work out the problem of high ideals．She hoped that，
recognizing the importance of children recognizing the importance of children，
the Convention would discuss the est women should talke in the rural
echools． Mr．Put
Future of the Institute，＂by and on＂Tho that the audience before him was the the most attractive and agreeable was the
ever seen；then had ever seen；then＂spollod it all＂，by had
clarivig that he had said the claring that he had said the same thing Toronto．His speech is usually it in of rudder，heading the Institute on the way which it should keep during the year．So far the chlel shoal which he
is anxious for it to avoid seems to the question of Woman Suffrage，seething among the women as may be seen by the
applause whenever it upon，but a question which ity touched him wiser to leave to organizations formed for the purpose．organizations
Among tho schemes which，he suggested，might be operation of the worked out by the co－ The promotion of more practical wore： in connection with the schools；the or－ work of placing unemployed girls－ot whom there are so many becausirls－of closing of factories eince the war began－ in country homes；a movement for bring－ ing the producer in the country and the believed，also，that it would be possible for the Institute and it，sisters to estab－
lish a series of libraries across the con－ lish a series of libraries across the con－
tinent．Service must be the watchword of the organization．In connection with Red Cross work，he was pleased to say that the women of the Institute had al－
ready contributed $\$ 25,000$ in cash，b－ ready contributed $\$ 25,000$ in cash，bo
eides innumerable bales of clothing，etc． to the general fund．

Reports from the various brat brought the usual quota of stories schools introduced，rest－rooms an libraries established，school－fairs inst｜ with an invariable wards endowed，etc．， and money raised for the Red Cross long as a the wark mast still go on， little to supply even the meagarest orts for millions of men exposed to diers must suffer horribly them our sol they must suffer．horribly．Even at best Roditten．One branch，by the way，－ been held in in that paring bees had dried to send to the Belgians and apples Mrs．Coutts，of Thamesville，at
vening session，noted the necesity the
of bringing all work，domestic included，up
to the scientific standards of the day The dominant note of the Twentieth Century，she pointed out，is social re torm，－citizenship．＂No one can be en－
tirely happy until all are happy，＂as
Herbert Spencer has said Women＇s ontribution to social service has broad－ and so she must be concerned with war， ＇the most anti－social of all the works of Satan．＂She found comfort in the
reflection that brute force has never for reflection that brute force has never for
long been the dominant force． THE institute as a leader in Mrs．Dawson，Parkhill，gave an illum1－
nating talk Leader in Local Effort．＂The very fact that thla subject had been put on，she etitute is beginning to show maturlty．
During the course of the association the women had gone on thinking of anything else rather than leadership．From
＂recipes＂then anthen questions of sanitaticn，food－values，all subjects that come up in connection with
the making of better homes．Why better the making of better homes．Why better
homes ？F For the sake of the child．And
so there came to be study of the child himself，then of the community as a
fitting environment for him，and finally woman found that her work had broad－ ened out to touch all questions affecting
public wellare．In Ottawa and Toronto two things had occurred during the past

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(ent compulsory), had been placed on the
books, and a book on child - culture had books, and a book on child - culture had
bon issued. These were merely echoes. Desn Thus, unconsciously the women have
bent trained leadership, and their
business ability developed. Every wherre
nomen of executive ability have been business ability developed. Everywhere
momen of executive ability have been
cound, and women of vision who can
"make a dream come true." "make a dream come true." be lonely. a you are going to be a leader you 4.- It means sell-sacrifice, patriotism in the highest sense. It needed the tramp of armed men to make the womer find themeolves.
Tot the greatest work of the Institute
a the future will be for the chomselves. At marriage, a farm girl 6 usually better educated than her hus band. In 25 years the tables are often turnod. "He" has advanced, "she" has
otood still, or even retrograded. Why
to this? The man reads; the coo often lets herself be sacrificed to the accossities of the present, and so, when der family is raised and there comes the
time of opportunity which she should time of opportunity which she should
devote to the state, she is not fitted. This is all wrong. Every woman should coep on growing mentally. $\begin{gathered}\text { She should }\end{gathered}$
realize that for the child nothing can over take the place of the intelligent mother. Hence the big work of the Intitutu is to see that women keep on srowing, and to teach them sell-reliance,
co-operation, and democracy. Mrs. Dawson concluded with a plea the Institute and taught. The future o the nation demands that she be taught
nomehow. Often in one "horeign" hom comehow. Often in one "Poreign" home
will be found as many children as in a whole rural-school section in some places. Then voting-day comes, it is quantity That counts, and the foreign woman has
the "quantity." She should bat the quantity." She should be taught
British justice and fair play to teach her
fons, - British ideals, moreover


ADDRESS BY SIR ADAM BECK. Sir Adam Beck spoke first, on "Red
Oross and Local Relief Work," then on Electricity for the Farm." The war question is not now a question of peace,
he said, but whether liberty may be upplanted by militarism or despotism. Every man and woman in Canada can eelp in the work of relieving distress, of oack to health. Up to the time of speaking, the Red Cross-whose work is
international-had International-had received from Canada,
at the headquarters in London, $\$ 195,000$ th cash, besides socks, The Hosh, besides socks, garments, etc.
Relie? League, allied with the Red Cross, looks to families of soldiers.

- So far the local society in London had supplied fifty families with clothing. Sir the Employment Bureau the Institute might be able to give substantial helpoy putting the Bureau in touch with
farmers who need help. Coming to the question of electricity a more general use ofer recommended Ughtening labor and of electricity for
aore pleasant. more pleasant. There are to foow chil-
dren in the schools, he said, there is a
dearth dearth of parents in rural districts, there
should be more people on the land ahould be more people on the land. We producing anything like what we require
fa our own cot The telephone has done much to make
rural life less lonely; good roads will oolve much of the problem, and he looked When there will be a general , posstbly, cadial railways. A general system of Cormed some time ago to arrange for
conters for distribution of power to Cormers. Dozens of farmers in Oxfor privilege of electricity, and are finding it
invaluable Crvaluable for dairying operations, for
the installing of vacuum - cleaners, Working washing machum-cleaners, belfclaimed, but for the fact that the town ahip councils have not been as enterpris-
lng as they should be in the matter. tng outfer, demonstration outfits-thresh-
beircular saws, etc., are now early recolution in the matter. Concludine, Sir Adam said that he
pould be ileased to go anywhere in the
Province

THE FARMER'S ADVOCATE
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SECOND DAY'S SESSIONS. Reports from various branches on this
second day added to the lists of work already given: steps taken to provent cigarette selling, sanitary drinking foun-
tains placed in schools, cemetery work, lains placed in schools, ce
aid for children's hhelters.
Miss Miss Hotson, of Parkhill, presented
plans for the etablishment of Chau-
tauqua Reading Courses, tauqua Reading Courses, enumerating

 day and To-morrow." A weikly maga.
zine, "The Independent," is also part of
the course, the course
Mrs. Wilson, Parkhill, outlined the progress, so far, of that much- needed
innovation, "" Medical Inspection of
Schoale ", Schools."
PATRIOTISM AND CITIZENSHIP. Mrs. Parsons, of Cochrane, gave
patriotic address. patriotic address. After tracing briofy
the developpent of Britain into the
British Emper British Empire, she desired to loave throo
thoughts with tho (1) The idea of wacrifice. "Have jo given until you felt it foce, "Have you this time
luxuries for ourselven must be omitted. luxuries for ourselven must be omitted.
We must spend, but in a different way. We must ppend, but in a different way.
In Temiskaming, since the war began,
she had seen the widow mite she had seen the widow's mite given over
and over again. The call wlll eome and over again. The call wlll come
again and again. Our duty eannot end
until the peace of the (2) The ideace of service, which rentored out
of Sacrince. "How can I BEST servo?" of Sacrifce. "How can I BEST Bervop",
we should ask. Wo should look at the
Hindu-turned Hindu-turned back from our Wostorn
shores last summer-and at the recently
divided Irish divided Irish, take our lesson from them
and sink our little differences in common service for the big things. Be keenly
alive, she warned, to the very from the scene of war, and send whatever is most needed. (8). Sympathy,-Don't
keep back your mympathy. Give it to keep back your aympathy, Give it Mrs. Parsons concluded with an appeal
to help those who need work in Oanad by buying things made in Canada. "THE MOTHER aND THE OHILb. Dr. Backus, Aylmer, followed, also with
a touching reference to the war. "Wo are waiting and listening for something definite. This only we know; the world
is ifled with mourning." is filled with mourning.
weakness in the management of nationa affairs. Quoting Schopenhauer, th speaker noted the fact that in Germany
motherhood is looked upon as of but ittle importance.
Passing to generalities whe sald that is through knowledge of world gentl more than ever before, this knowledgo is
necessary. Because of the necessary. Because of the war, a great
many of the fathers of the future will be weakened, and children will have to depend upon their mothers for physical stamina. In one way, Nature will bring artial compensation; women will have
o do work that they never did before and so develop strength. By Nature' way, however, children usually recelve
their physical strength from the father All the facts relating to the mother and the child should be known to the
nother. The reticence of education on mother. The reticence of education on
this point is regrettable, and the speaker this point is regrettable, and the speaker
thought the Women's Institute would do well to call the attention of educationists to the lack. Everyone is not đitted
lor motherhood; the feeble are propar gated, and, still worse, the feeble-minded. world a godly and superior race, or a cowardly and inferior one. Through knowledge they are able to do this,
hence the necessity that they be taught, and the young men, too. So far we have made all too little progress in the matter of how we can produce the best ? eugenics, but, unfortunately, it has PR eugenics, but, unfortunately, it has
not been popular,-a little god called Cupid has "kicked things over."
It is only fair that the girl should be It is only fair that the girl should be
aught every responsibility before she aught every responsibility before she
marries. She should know that a mother marries. She should know that a mother
can influence her child pre - natally. If alted the child will inherit the are exalted, the child will inherit the tendency
to think noble thoughts; if the mother's to think noble thoughts; if the mother's
thoughts are low or petty, the child will inherit those tendencies. Dr. Backus re inherit those tendencies. Dr. Backus re
ferred to the Hannah, Elizabeth and
Mary, of the Bible, and to the mother


Mise Armstrong, of Regina, gave an
linteresting account of the work of the Home-makers Clubs - sisters of the Women's Institute-in the Far West, and
of how much they have meant to the Mra. Courtice of then prairies.
Mrs. Courtice, of Wallaceburg, followed
with a
apech on "UHo to Maintain Inwhth a apeech on "How to Maintain In-
terest in Ingtitute "Meotings," which cap-
tured the audience by its practicability tarest in Institute Moetings, " which cap-
tured the audience by its practicability
and humor. She dwelt upon the and its humor. She dwelt upon the
neceesity of choosing a prosident who has
the ability of drawing out the best torte of all. Every insititute should have a library in process of growth-a point pmphasized by the remark that "some
people think more of scrubbing the last
fnch of dust out of their houses than of aweeping the dust out of their brainn."
. In giving papers and addresses, ceare chould ge giving papars and addresses, ceire
point-not ramblingly. have them to the "The Advocate" and a few more enjoye It when Mrs. Courtice declared tha
"Least year we ran our branch on the Bible and 'The Farmer's Advocate.'
Mra. Amos, Exeter, charried on the same subject. A flower - show, combined with
an exhibit of curios, had been found at an exhibit of curios, had been found at-
tractive in the Exeter branch. This winter the ladies who belong to it ar undertaking a study of the countries
covered by the war. Dr. Helen MacMurchy, Toronto, chose
for her subject, ""The
Domestic
Help for her subject, The Domestic $\begin{gathered}\text { Help } \\ \text { Problem," interpreted by her as }\end{gathered}$ "The Now Houseworker." Domestic "Tork
chould be more scientific, and house keoping given more honoric, "Ind house
to the tousemorker." to the houseworker," said the speaker,
"don't you think we are about at the
eitage that nursing was bere Nightingale ?" The houseworker should be trained, and her training should be
recognized. There is room for a great deal more
acientific information acientific information than we have at present. The Board of Health of on-
tario is about to issue a book which tario is about to issue a book which she
would recommend, "Best Foods to Buy During the War." Dr. MacMurchy advised those who kept help to see to it tertain her friends. Pro-TO-DATE POULTRY-RAISING. $\begin{array}{ll}\text { opoke on the above topic. } \\ \text { said, is the foundation. } & \begin{array}{l}\text { Breeding, he } \\ \text { Fowls have }\end{array}\end{array}$ been bred for table use, and bred to lay,
even to laying in the winter when egys are high in price. The reason why so many people Rail to do well with a very
large flock is that such a flock requires a ""city board of health", "it is is hard to
watch all conditions. "Don't inbreed", be warned. "That is all right for exflocks." must be hatched before the
Farmers thinter, eggs winter she will not in summer, lays in has been nothing in the experimente to show that she can't lay right along.
Warmth in housing is not A single ply of boards with the south open is unficient. The very worst thing or a hen is bad air. Fresh air without Hens should be kept dry and gives the sunlight possible. They should not
be overcrowded; allow more than four quare feet to the hen. one that is better than the rest it is
our milk. Never use sweet milk, whic bad for the hen's digestion. If you hydrochloric acid to the gallon of drink$\operatorname{lng}$ water and keep it in a wooden tub.
All drinking vessels should be kept scrupulously col
Birds need
(milk will take the place), and vegetable lood. About one-third of the day's
winter give cabbage, mangels, potatoss,


## God With Us in the Fire

Thus saith the LoRD, .. Fear not:
for I have redeemed thee, I have called
thee by thy name; thou art mine when thee by thy name; thou art mine. When
thou passest through the waters, I will
be with thee be with thee .... when thou walkest
through the fire, thou shalt burned.-Isa. $43: 1,2$.
The changeless clasp Cphand
Uphen ; wheresoe'er our way may
wend Love, that we slowly learn to underLeads us, by day and night, o'er sea
On to our journey's end.'

When the angry king of Babylon had into a burning fiery furnace, he was as-
tonished to see power to injure them, and that one like midst of the fire. How often it in the God is always sitting as a Refiner and Purifier of His precious silver and gold. furnace of sorrow or or pain, placed in the
less clasp of changeless clasp of an Almighty hand sustains
him-the hand of One Who has Himeel him-the hand of One who has Himself
endured the fiercest fire

## The loneliest can never be alone, <br> The everlasting arms are round thrown,

thrown,
Whether we wake or sleep."
Henry Van Dyke tells a story of a
GOD" for earthly prosperity and happi became wealthy and famous, married
beautiful and beautiful and loving wife, and they re-
joiced together over the growing beauty
of their son of their son. But there was one thing
lacking in their sweet cup. It tasted
flat and insinid flat and insipid, and they did not know
why. God had been thed memory, and their happiness out of their
mery insecure found on very insecure foundation. Ad accident brought their loved child
to the very door of death. and they
knew of no knew of no strong Helper and Comforter.
In that time of terrible anxiety and pain
they made the fremer they made the Great Distovery-hey
found God in the furnace of attliction
Having found Hin Having found Him, they knew that His
presence and fellowship meant infinitely
more to their hungry hearts than earthly happiness
That story has been often repeated.
Men and women have devoted themselves. Men and women have devoted themselves
to the pursuit of earthly gain, ellowing
the remcmbrance of God to be crowded
almost entirely out almost entirely out of their hearls. The
Love of Good has sought them tenderly
end gently for years, but His friendship
has been ottered in vain. Then the but ing pain of sorrow has come in burn-
flood, and earthy happiness has gone
down and har it
with silver; I have chosen thee in the
furnace of affliction. For Mine own sake, even for Mine own sake, will II do it.
Let us remember Let us remember that God wants to
make our souls pure and beautiful, purg-
ing us from selfishness, pride and worldliness, not for our own sakes only, but also for His sake. ${ }^{\text {Pr }}$ He cares for our He has won our love.
May I quote from an article about "Our Parish," which appeared in a British paper about two months after the
war began? ,'We man
a word. It is in the darkness that the
stars appear and the immeasurable stars appear and the immeasurable
abysses of the infinite universe abysses of the infinite universe, and it
was when the dusk sank into the deep night that the word rose high in the
firmament firmament of lite and burned red into
souls. And that word was 'Comen souls. And that word was 'GOD.' It
seemed so incredible to us that we shoul need that old word. We were so powerful and so rich i Our faith was
strong, but it was in the 'reeking tube strong, but it was in the 'reeking tube
and in the 'smoking shard,' and in the
number of our Dread number of our Dreadnoughts. Then all
these things seemed to mare seemed to fall on usil us. A nightmare which lifted not night or day. Our
soldiers were driven back, back They fought by day back, back, back.
night, and we tand marched by night, and we heard in the night watches
the beating of their wearied the beating of their wearied feet, blood-
stained. Was there to be no end to that tramp, tramp of men yielding before
death? Was the Empire death ? Was the Empire, reared by the
heroism of generations, to crumbi heroism of generations, to crumbie under
our feet? The ghastly deeds of shame
were they were they to come to our doors? We
looked at our children, and they could
not undergo not understand the light in our could
These deeds of hell-they might even now under hell-they might occur
It was then the word beg of our hills. It was then the word began to blaze in ins.
the heavens. And the word win GOD.' " Men may forget Gor Men may forget God in the ease of
comportable existence; but danger thre ening those they love, with terrible silence and long uncertainty making the
heart sick, will break heart sick, will break down swittly the
barrier between man and God,
the most sceptical people to their knees.
We cannot shut our eyes to sorrow
now. The rich cannot harden their now. The rich cannot harden their
hearts by selfish luxury and pleasure, for gearting by the halfish luxury and pleasure, for-
officers officers and privates share privations and
hardships in the trenches and hardships in the trenches and on the bat-
tlefields, and their wives and mothers at home are drawn together by their com$\begin{array}{ll}\text { bles, and small surrow. } & \text { Family squab } \\ \text { are }\end{array}$ are burned out in the fire of a world's
agony. We clasp hands as contren and try to inspire our fellows with cour-
age and good cheer. In the thick age and good cheer. In the thick dark-
ness we grope like children for Father's hand. and if we seek for our
we cannot fail to find Him. This great testing-time has not been
all sad. It has been like a buglecall to those who were drifting along in pur and courage. Man has them to effor
and fighting animal. Even in a game he finds real joy in overcoming a difficulties.
The life which is most den of monotonous is most depressing is on
ofayness, where the seem stale and guyness, where the years
ing happens." ing happens." Courage is ant to rise
with danger, and obstacles only a determination to overcome provoke
Them.
There is an old saying over There is an orid saying that the theme happiest
days make no hid days make no history. That mapiest
so, but sweetness cloys after a time, and
men living IMen living in luxury rush a time, and
woods to enjoy the unwonted of the "roughing it.", the unwonted pleasure of any rate, we find
ourselves living in times being made with furious when history is
can't escape from thensity. We can't escape from the situations. but we
have the power to sink under it or
above the present above the present aink under it or rise
very present help in trouble. is a
keep fnst apt as knowing hatd of our trust in Hing, furnace cannot injure
us, but is intended to turn dross and alloy of sin. (Is is. $1: 25$.)
A change is good for all A change is good for everybody. We.) We
are so apt to sink into a rut and stand
atill, like the Fharisee in the pormen
who whe because he was in spiritual prograss
condition of prounar a complacent It is possibfe to grot spiritual - confidence
tion-as westes-
luxurioustl? as physical-by livind ton
mobile and could not be induced to taie
azercise. Loss of property is unplear ant, but it often proves a salutary though bitter medicine, bracing botb bolutary
body and soul. There is a s
from indigestion, who consulted a doctor and was asked what he was was a accustomed
to eat for lunch. was his answer. The doad and cheese" was his answer. The doctor said:" "Try recovered. The pationt obeyed, and soon went to the same doctor, complaining again that he was suffering fromplaining asked the doctor. ${ }^{2}$ The patient declared that he always took a chop. "Try bread "Why, you said that was the cause of my indigeostion I' exclaimed the cause of ished patient.
digestion was caused by "emat the in Perhaps needed a change,
we need a change of diet. Ezekiel told the Israelites that they hat become more corrupt than the wicked cause of Sodom"s iniquity: "Pxplained the cause of Sodom's iniquity: "Pride, fulWas in her and in her daughters, neither and she strengthen the hands of the poor committed abomination were haughty, and Tore I toolk them away as I saw : ther In the R. V. the words "prosperous ease" are substituted for "abundance of
idleness."

It may be that God found it necessary bread and prosperous ease which weal Our the health of His loved people. as a cup from the to accept chastening ing closer to the Son of God and press ing more like Him as we are passed through the fire of affiction. He wa and it is enough for a discipl (Heb. 2: 10 his Master. He did not escape the
Col it. Let us try to live bravely, for the joy set before us enduring the Cross and

We only pray that Thou wilt make
Our souls by worldly
More like to Thine, that we mas
The blessings of thy we may share
DORA FARNCOMB

## 'Life Itself is Good"

Nise are we if we do not allow any to disappoint or or or or still bigger, lives and thereby to neutralize our energies, or even our houtralize our bitions. To skim the cream day instead of crying over the aily milk of yesterday is ever the way of the wise. Only the fool, or the temporary
fool, gives himself to the later dency or spilt millk is the chronic ters dency or habit of the unwise and
weak, never of the wise, the and brave and the intrepid. "WWe talke little views," said Phillips Brooks, is nct the events of life, nor its en
tions, nor this nor that experience, life itself which is good."
The amount of cream that appears our lives depends, after all, more upoin thoughts that we and those types of habitually with than upon and live mosi These are our private property, and in is ours to regulate them as we will.
He who has the He who has the quest of the gcod is all the higher powers and forces of the universe, and they aid him at every
turn. The one who cultivates and lives always in the optimistic, cheerful, hope never fail. We may, therefore, miss this
or that that or that that was a part of our dream and above and beyond this and a thou acter, the distinctive homely qualities of high-grade, useful and noble manhoo
 in triumph and even its can end end only
the end but parts of its triumph.--Ralp)

## ${ }_{80}^{8275 A}$

NOVAMBER 10, 1914

## Pashion Dept. <br> HOW TO ORDER PATTERNS.

 order by number, giving age or measrement, as required, and allowing at
leatt ten days to receive pattern. Also leat ton days to receive pattern. Also
state in which issue pattern appeared.
Price ten cents PER PATTERN. If two Price ten cents PER PATTERN. If two
Intera appear for the one suit, one for coat, the other for skirt, twenty cents
mut be sent. Address F'ashion Depart-
"'The Farmer's Advocate and ment, "The Farmer's Advocate and
Home Magazine," London, Ont. Be and Home Magazine," London, Ont. Be sure
to align your name when ordering patto aign your name when orderi
terns. Many forget to do this.
Then ordering, please use this form Send the following pattern to
Name .......
County
Province

Moasurement-Waist, ......... Bust, .
Date of issue in which pattern appeare.
 $373 A$ Funcy Blouse with Cape, 8401 Tunie Skirt, 24 to 32 waist

THE FARMER'S ADVOCATE
 18, 22 and 26 inches high.

8315 Boy's Suit with Coat Effect.


8447 Russian Coat for Misses and
Small Ilomen, 16 and 18 years

1989


ONE DAY BERVIOE -Wo whe ibhy your paccel withm one WE PAY DELIVERY OHAROES


"Even a Single Hair Casts Its Shadow"


Ghiclets
really delightful
THE DAINTY MINT-COVERED CANDY - COATED CHEWING GUM


All "ARLINGTON COLLARS" are good but our CHALLENGE BRAND is the best MADE IN CANADA
H. P. GASOLINE ENGINE I have a 6 H.P. Gasoline Engine, good standard
 Box A, Farmer's Advocate, Toronto EUREKA FEED With Molasses
A low priced feed of good value for young Write for full particulars He Chrisholm miluing co., LIMITED

## Richarat amer NAPTHA <br> WOMANS SOAP


" OTHELLO" TREASURE THE D. MOORE COMPANY LIMITED

## Cheap,Nutritious Food

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White flour is the cheapest and most nutritious of all foods. Compared on a money basis, the energy heat producing ratio of flour and beef is about 10 to 1 in favor PURITS FLOUR of chemis in miterthas bee exerted ted at the mill. The combined skill flour. This careful supervision assures the make PURITY Canada's standard
PURITY FLOUR

## WANTED

Ambitious young farmers to handle o nes in their neighborhood, a splenduring your spare time this full partic now for
M. JACKSON

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Adertisements will be inserted under this head
Ing, vucha as Farm Properties, Help and Situation
Wanted and Pet Stock


Must from one hundred to to two hurchase a farr


best stock or dairy farms in Ontario. Large
taru with stables thered up in most modern tas
four acres of orclard in full bearing.



News of the Week The revolt raised by General De Wet in
South Africa has been effectually crushed. The Crown Prince of Germany has bee appointed Commander-in-Chief of the armies opposing Russia in East Prussia
Field Marshal Earl Roberts died in He had gone to see the Indian troops. when stricken down suddenly by the dis-
ease. Lord Roberts was born in Cawn-


War has been declared in Mexico again
between the Carranza and Vibe between the Carranza and Villa elements,
and American troops have been recalled
from Vera Cruz from Vera Cruz, leaving Mexico to settle
her differences as she chooses. During the past fortnight there have
been victories and losses to been victories and losses to record in
connection with the Great War, but, in the whole, the situation stands, firm on
the Allies. At present the most important battlefield is in the East, where
the Russians are pressing forward over a
line of 300 miles line of 300 miles, wressing Porward over a
ly as a main objective. apparent-
In Belgium the ines still stand firm, and the Germans
have been obliged to evacuate the other hand, has been Dixmude, on the
The taken by the enemy. The navy has to record the loss of the
gunboat Niger, torpedoed north of the
Straits Straits of Dover, on November 12, and
of the super - Dreadnought Audacious, which, it is now believed was blawn up
by a mine off the north coast of Ireland on October 27. It is reported that all
on board except two were saved. These
losses losses, however, have been amply com-
pensated for by the dese pensated for by the destruction of the
famous Emden, by the Australian cruiser -
The Windrow.
The King and Queen of Belglum have
distinguished themselves during the distinguished themselves during the war
by remaining on or close to the fring
line, the King line, the King with his soldiers, the
Queen superintending the organization of
hospitals and ambulan Queen superintending the organization of
hospitals and ambulance corpa whick.
pick up the wounded. The Queen pick up the wounded. The Queen is the
daughter of an eminent surgeon, and well acquainted with the naturge of the worl
which she has been doing
 In view of the thousands of Belgians
and others rendered hot and others rendered homeless by the
wars, it appears that the great Old-
Country landlords have a splendid op Country landlords have a e grlent old-
portunity to do real service for sulfering
hump portunity to do real service for sulfering
humanity by making over portions of
their too large estates to men in need.
Will any of them do it? We tuote trom. Will any of them do it t Wen in need
an item which appeared in a coonten
ary manazine antempor
 of the Old - Country land held by bomere is al-
ways a subjert of interest to colonials
who, from an average who, from an average of one hundred
acres, manage to wrest a living with a
little to spare. The Norpolks, the Bed-
fords and the Westminsters little to spare. The Norfolks, the Bed-
fords and the Westminsters, have the
largest rent-rolls in Great Dive largest rent-rolls in Great Britain, but
the late Duke of Sutherland was the
largest land-owner. It used to be sald
that he could travel in a straight line
for filty mes for fifty miles without leaving his line
property. A story told in regurd to
him is wort of Persia was on his fainous visit that England, in the reign of Queen Victoria,
he was so impressed ny the splendor of
the Iuke's entertainnent that he privately advised the Prince of Wales tri-
have him executed as soon as he suc-
ceeded to the ceeded to the throne. 'ITe is he tuoc-
to be safe.' he said, 'Kill him.'


that treasured local lyric, "'I'm Afratd
to Go Home in the Dark." It known as yet whether or not it is hot not Englishman by birth. At any rate, he year in Londing six monthy of or every odd jobs in vauderille. The ots, dolng
of the year he half of the year he has been living in Nell
York. The song was finished 1912. The song was finished early in and accepted by an English firm, but il was not published in America at that out in And, in foct, when it was brought oo arouse much enthusiasm. it failed orly after the war began, and the wars
marches were forcod, that some weary marches were forced, that some one 10
the ranks started this music - hall and found in ballad of the rusic-hall and found in it all the
requisites oo an immortal 'war-song.-
Literary Digest.

On November 10th, U. S. S. "Jason"a "Christmas Ship" - asailed "Jromon New
York laden with Christmas pifts chrldren of Europe oristmas gifts for the
War. The by the Great War. The gifts were gent in from all ganization was due to, and carrled orby, the Child Federation of carrled out Childristmas Ship Society, the Wa, New York World.

## Royal Amenities.

Ambassador and Mrs. Walter H. Pago have a negro mammy in North Carolina
whose devotion to "her white very strong. They left her behind them When they went to represent this country at the court of St. James, but
"Aunt Mary," as she fully informed as to their movements, the fetes in their honor, and such momentous things. In one of the letters, Mrs. Page wrote that the Queen of Eng. land had been very kind to her, and
Aunt Mary, in a glow of gratitude, do Aunt Mary, in a glow of gratitude, do
cided that she ought to do something to
show her show her appreciation of the Queen's decided that. a After much thought, she the choicest old Southern recipe, would smoked the ham, rubbed it with spices, wrapped it in a local newbpaper along
with a picture post card labelled an the Queen, from Aust card labelled "To and sent it off. Aunt Mary," or crated it. reached the Queen, and she declared hersent her thanks to old Aunt Mary and A few months after this Mary. A few months after this someone asked
the old mammy, half as a joke, what she
would do if the Queen made her cookWould do if the Queen made her cook-
extraordinary at the court. The old woman shook her head emphatically, it," she declared. "Ah wouldn't do it,
not even fer det Miss Queen. Do frat time Ah cooked somepun she didn't like, out an' chop hay, 'Take dat old nigger
Home haid off!', - Woman'。 Home Companton.

To Cure Corns. necessary to corns are very bad it may be the way of alleviating this very real softening the home treatment. Berin by
somin with vaseline or cold
cream, cream, rubbing it thoroughly for cold
considerable time.
mome next night re move all the hard skin yout night rerub it by soaking in warm water, and
fundully with pumice stone,
finishing the process by finishing the process by a rubice stong with
vaseline as before. Repeat this treat. viseline as before. Repeat this treat-
ment every night, or at least every sec
ond night. The use of pumice stone to
 also to be recommendsd for the hard
skin which forms under the tread of the Tot and sometimes at the inner side of
the sole on the ball of the great toe.
this hardenod ful as corns, skind and whequently a as paln-
forms near ridge forms near the the it throws the foot
out of balance when walking, and causes
great discomfort. great discomfort. This is not alluaya
understond, but anyone who take the understond, but anyone who takes the
trouble to remove the skin by persistent
rubbing with pumbee stone when the feet
are washed in the morning or evening, are washed in the morning or evening
as they should
z
B
H

$1+0$


TheBeaverCircle
Our Senior Beavers. iPor all pupils from Senior Third to
Oontinuation Classes, inclusive.]
Four-footed Little Friends.
By Jake H. Harrison.
The world is full of little erriends
Four-footed Four-foted though they be,
And I would have
And I would have the whole of them
Quite unatraid on 1 Quite unafraid of me;
An easy thing, I find me well,

1 know some rabbits in the wood
I know some rabbits in the woods
That I my triends have made, And when triends have made,
Are net they see me passing by Are not one bite me pastriasing by
They watch me as II walk along,
What They watch me as I walk along,
While they, in bunny fun, Will frie they, in bunny fun,
Or risk batout my woodland path, Or risk about races run woodland path,
And then there ane some suirrels, And then there are some suirrels,
That live mone the trees
Along that
Which
Whnding woodland path,
 And now they chatter toud
Whenever I Io by their home,
And seem to be quite proudd

## ${ }^{\prime}$ lomes bon tave them an to inve

 And reano tend the teeming fields
Their source of of the wood;
Cife must be the same Four-tooted them all. we know-Four-footed fricnds would all be tame,
If men would kindness show.


great tree. All around me were other
limb, and fell into a muddy place under the, and reel into a muddy place under
the tree. I soon grew in that place Atter a few years' growth, I could nee that it was all swamp around me. 1 grew and grew, and became as blg ao my mother. Soon after I got my full growth, some of the oldest trees died and fell. Three hundred years afterwards I fell, too, and turned into veger
table matter. Soon ail the trees fell and turneder. into voon athle mattor. Thou-
ands of years atterward there came sandi of yeers atterward there came
great flood. Along with the flood came great flood. Along with the flood came
sand and clay and conered sand and clay and covered me up. Lit.
the by littie the soil over me hardened until it turned into rock. Whild otho
rock was hardening 1 turned Into coal
 years I lay there undisurbed. Ono day
I haera a n noise above me, and soon ,
saw men whe and saw men wo had come to soe to they they
could find coal here. When they die

 portion of us up with some stur they called dynamite. They got steel tracko
and put cars on them. and put cars on them. They shovelled
me up and put me tinto thene cars. When they were full they pushed us ali out and dumped us into larger cars called
 Ching called an engine pulled ua away
from where we were into a city and swich where on wo were into a city and
build ing. on then track beside a ma
bis Cuilang. Then 1 was shovelled down a
coal chut shovelled into a coir turn. Then I was to ashes. This is the end of my btory. Yours respectully. ${ }_{\text {GEORGE }}$ HOWELL. Jerseyville, Ont.
Dear Puck and Beavers,-Well, I guess
I will have to introduce myself to
I will have to introduce myself to yous
Beavers. T , like reading the letters in

## Buy High-Grade Flour



## Cream 茄 West Flour the bard wheat flowr that is guaranteed for bread

\author{
GUARANTEED PLOURS <br> Gram of the Weeth (for bread).
Mueen

Monarch (malket dedicious pail purpos <br> | 83.50 |
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| 3.00 |
| 3.00 |

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FEED FLOURS
cereals
Cream of the West Wheatlets (per 6-1b. bag)
Narmeegian Rollied Oate per 90.1b bag)......
fred
5
Extra White Midd il
Whole Maniltoba
Chathed Oats......
Whole Corn
Feed Cornmeat...
Whole Pred Barlè
Barley Meal. B.....
Gemeraine Feed (Cuughe Corn, Oats and Barley)
Oil Cake meal (old process)
Special prices to farmer's clubs and others buying in
The Campbell Flour MiHs Company Limited
(West) Toronto

the Circle very much, and so 1 thought
I would write ono, too. I live about two
miles from the village . miles from the village of Rockton. We
have the rural mail delivery going past
our place
 I will tell you about my pots.
a cat name
ond have
Touser Touser. We have five little kittenams just
boginning to play. $W$ We are going to give them away when they aro big onough.
Hoping this will escape the w.p. b.i. Hoping this will escape the w.
will close with a fer ridas.
When is A . farmer cruel to Ans. When he pulls its ears.
What else besides a young horse goos faster after it is broken? Ans. $-\mathrm{A} \$ 10$
bill.
Ans.-Fault. Ans.-When it's full,
Why does a the moon Ans.- Because she can't go around it.
VERA ARNOLD (age 11, Sr. III.).
Dear Puck and Beavers, $-I$ have just finished reading your Circle. My father
has taken "'The Farmer's

 Some of my favorite books very much. Among the Mountains," "Bessie on Hier
Travels," "A World of Girls," "EElsieres Children," and a great many others.. A my iter is geting long, Y think I will
close, wishing your Circle every success.
P. s.-I would be wery P. S.- I would be very much ploased
if some of the Beavers of my age (11) would write to me.
NORA BELL

Junior Beaver's Letter Box. Dear Puck and Beavers,-This is my
second letter, Puck. I wrote one a long
ter time ago, and I had to wait a long time
to seo it in print. I do hope I will see
this one in print. this one in print. I go to school every
day and am in the Second Book teacher's name is Miss M. Maxwelli, I like
her well. $I$ have two silsters and one
breter brother. They are all younger than I I
am. $\quad \mathrm{My}$ litte sister
 you call a bookwormol. I have read at
fow books, buch


 it. Well, weck In will teave when 1 call
for the other Reaver.
 P. S.-I wi.en some of the Beavers my
own age (seven) would write to me Dear Puck and Beavers,-As I have
been reading the other letters, I I picked
up coureng then been reading the other leters, I picked
up courase to writer
taken
"TThe
 nanmes are Tommy have two kittens: their
colt; his namul Nell. I have one colt, his naturuy is Tom Nomll. I have one
brothers and two sisters. Well. have five
ore

$\qquad$
$\qquad$


$\qquad$
$\qquad$

 will luckily escape tho w.p. this letter to make to her. . . By the way, mem-
triend,
ETIIET, (ETHivey our bers who bought conies of that paper at



NOVMAMBER 19, 1914

THE FARMER'S ADVOCATE
Forward the Knitting Brigade Not tho' anch unskill'd maid For a while blunderodid mald Theirs not to make roply,
Theirs not to rease Theirs not to reason why,
Theirs but to knit or do So at that wool four-ply Charged the One Hundred. Balls to the right of them,
Balls to the left of them, Balls to the left of them,
Balls all about them Flying unnumberad 1 Gallant the charge they made,
Dauntless Dauntless and undismay'd;
Fearsome and fast the raid Fearsome and fast the raid
Of the One Hundrod. Clicked all their Clicked all their needles there,
Clicked as they turned in Jabbing a Anger bara,
Letting fall stitches Letting fall stith oes where
Someone atill Someone still bunder'd:
Stitches
"two plain, two purt Stitches "two plain, two purl,"
Knitted each zealous
gitrl, Ninety-nine hundrod । Wristlets to right of them,
Wristlets to to left of them, ${ }^{\text {Wristlets to }}$ Wristlets all left of them, Wristlets all round then
Lying unnumber'd Back from the charge came all,
None did None did in battle fall,
Answered the mustercall Answered the muster-alil
All the One Hundred. When can their glory fade When can their glory fade?
O, the wild charge they made , All the school wonder'd. ${ }^{\text {Ald }}$ Honor the charge they made 1
Honor the Knitting Brigade, Honor the Knitting Brigad

Noble One Hundred I Noble One Rundred I O'DONOVAN | Parkdale Collegiate Institute, Octobe |
| :--- |
| 1914. |

Painting bedroom Dear Junta, -Wing you kindly inform
me, through your valuable hook is the best color to paint the wood worl in a bedroom, the door, window facinge and baseboard? The wall and celling are plastered white. Many thanks.
Que.
MR. $\mathbf{P}$.
P. MCG. Ivory-white is very nice for bedroom woodwork, or, if you choose, any ot the
wood"
stains, -weathered oak, tumed wood walnut, or mahbored oak, fumed oak, walnut, or matogeny. Choose
color that will harmonize with the paper you intend to use.
blackeeads. "Worried" wishes to know a cure for blackhead. Try the following: Serub water and castile soap, using $\underset{a}{a}$ brush to make the work more thorough.
Rinse with clear soft water, and apply Rinse with clear soft water, and apply
the following lotion: Boracic accld dram; spirits of resemary; 1 ounce;
water,
3 ounces. A Apoly with
triction.
 larly for some time. You must not exxlarly for some time. You mus
pect the blgckheads to disappear all at
and once, as the akin ducts have been stretching for monthe, perhaps for years,
quilting frames.
To E. E. M., Peterboro, would bay
that we have heard of no tmprovement in quilting trames beyond the iron clamps usually sold for the purpose.
care of hatr, etc. "Woodand Whispers"" writeg aaking for "Coronation Braid" is too young looking for a a girl of ninetoen.
For the cure of dandrum wo quote from
Family physician": "For the removal dandrufi it is necessary, not only



# Farmers Behind New Company 

A new condition of affairs has been in croduced in the sheet metal business in canada, by the erection of one of the Sernia Metal Products Company, by the for the manufacture of the Limited, tines of sheet metal building materials Plain Galvanized Iron, Corrugated Plain Black Iron, Metal Sidings, Eàe Troughs, Conductor Pipe, Valleys, Cul verts, etc.
The above concern is the outcome of an investigation as to the cost of manulacture of sheet metal building maerrly connected with Lloyd Lott, formCompany, at the request Sarnia Fence tomp farm organizations throughout lie Dominion of Canada.

The system of marketing used is rather unique in itself, for it is the first time that a company has been organized to
manufacture commodities uged by the manufacture commodities used by the
farmers whose autput, not only as to farmers whose output, not only as to
the quality of the materials used, but the price at which they are selling, is ander the control of the farm organizaunder comstrect, with which we will be quirements.

It is no surprise to us that this arrangement and idea of selling has caused much consternation among the other sheet metal manufacturers in Canada, and it must be remembered that the uccess of this enterprise will depend largely upon the support that is given our company by the individual farmer himself. Every farmer, whether he belongs to a farm association or not, that it will be folly for him to purchase his requirements from any other source, tavors the ordinary methods he himself used, selling through dealers, jobbers, c. ending to all interested persons, copie hailed by some that have been the sheet metal business to dealer

Harab
Fertuluers
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throughout Canada. These letters prove very interesting reading and give in that way some idea of the methods pany are being used to keep our comsuccess of their direct policy making a hoped that your direct policy. It is ciently interested a farmer are suffl-co-operative spirit that welfare or tho one coast of Canada to sweeping fro will be alive to the situation and everything in your power to assist do our businesss in your locality. If you have not a local association to bring this matter before, we will gladly send you a number of circulars for distribution among your neighbors, who we feel when they know the situation, will help us in the great fight it is necessary for us to put up in order to make our direct policy the success it should be. Might also say that we are working, in line with the views of the United Farmers Co-operative Company Ltd., whose head Offce is at Toronto, Ont., the Manitoba The Growers Association, Winnipeg, The Saskatchewan Grain Growers' As Farmers, Hoose Jaw, and the United the above Ahberta, Calgary. Any of sent the majority ers in Canada, will gladly outline in a general way the spirit with which they are co-operating with us.
Many unscrupulous statements have been made about our company and its products, and in justice to not only ourselves but to the farm associations in let us send you immediately the circulars way both of clear in a general way what opposition we

Thanking you in anticipation of hearing from you at once, we remain,

The Sarnia Metal Products Co., Ltd.

## Nesteserfifercolf

 Y.M.C.A. BLDG., LONDON, ONT.


## CTMa (Cadres) Celese

Attractively situated. Picked
faculty.
For prospectus and terms write the Principal
R. I. Warner, M.A.,D.D.
Mention this Paper.
suit admirably a girl with a nom-de
plume oo charmingly
auggestive as "Woodland Whispers."

## COOKERY QUERIES.

 Dear Junia,--1 have long been an in-terested reader of your columns, but as
yet have never asked yet have never asked any help. May
now? Can any of the Nookers give me any
recipes for cake, pudding or pie, in which maple syrup can be used in place
of sugar? Sugar is so high-priced now of sugar ? Sugar is so high-priced now
that I hate to use much of it. One
hears of eggless, butterless and milkleess cakes-why not sugarless ones?
I never have success in baking with sour milk or cream. Lately I used a
cookie recipe calling tor cookie recipe calling for 1 cup lard, 2 of
sugar, 1 of mill, and 2 eggs.
I used a cup of sour milk, and a level teaspoon
of soda, and the cookies plainly tasted of the milk. What was the cause? I often have thick, rich, sour cream.
In using it in cakes, do I omit the In using it in cakes, do I omit the
shortening altogether, and how much soda should be used?
How can I keep cookies crisp? Mine are when I remove them from the oven, keep them in a covered tin can.
Is there any way of cleansing
ated sugar in which the mice have been, to make it fit for use? If butter can Later on I am going to ask further help, but I will not now. Thanking you
in advance, I Oxford Co., Ont.
Can anyone send recipes for making Why not serve the syrup by itself with
"Johnny", cake, muffins, "Johnny" cake, muffins, or rolls. Noth-
ing can be niter. However, I suppose
there are necessary.
Pertaps
neasurin
measuring the soda was you used in
is such a difference in the large; there spoons. Try a smaller quantity next
time. Very little shortening is needed when biscuits it may be omitted altogether You will have to experiment with the
soda and the size of your teaspoon for measuring. If your cakes have tasted he quantity. looked too yellow, reduce It is hard to keep cookies crisp, but
the crispness may be restored
 spread on a pan.
We know of no method by which you Clean the sugar.
By the way, I have just found a re-
ipe for "Maple-sugar Spice Cabo" Here it is:
Maple - sugar Maple - sugar Spkec Cåke.-Mix 1 cup
grated maple sugar with t cup sweet
cream. Sift 1 teaspoon hating ream. Sift 1 teaspoon baking-powder
with a coffecuptul of flour, adding a teaspoon of cinnamon and half teaspoon
allspice. Add the yolks of 3 eggs beaten
very livht with tho additinn very light, with the addition of 1 table
spoon cold water, then mix in the flour, and, lastly, the whippedix whites of the
eggs. Bake in layers and put together
with with any filling liked,-custard in which
desiccated cocoanut has been mixed.
ice.
 Could you kindly intorm me, through
your valuable paper, where one should $\begin{aligned} & \text { write to wishing to adopt one of Bel- } \\ & \text { gium's poor orphans? } \\ & \text { FARMER'S WIFE. } \\ & \text { Apply to the Secretary of the Children's }\end{aligned}$. Apply to the Secretary of the Children's
Aid Scoiety nearest you. There are
societios in Societies in Montreal, Toronto, London,
Owen Sound, and other places in On
Sario.

## The Scrap Bag

## Don't forget to keep the water-pan in he furnace filled with wator. The air orms is likely to become much too room in winter unless care is tatien

## to serarate postage stamps.

 Hace stamps that have become gluedto remove vaseline stains Soak the material in wood alcohol, rub out, then wesh in hot soopssums, and, it
the goods are white, boil them. Do not use the alcohol near a are as it is very
inflammable. inflammable

Frosted windows To prevent windows from becoming
frosted in cold weather, wipe a weell with a cloth dipped in alcohonc

Frozen potatoes Should potatoes chance to be frozen
they raay be rendered fit soaking them rendered fit for use by
belore cooking water for three day

TO PREVENT TINWARE RUSTING. Rub it over, especially the seams, witb
fresh lard, then heat it thoroughly in the

HINT FOR KNITTERS When knitting mittens, when you ar to be taken off from the needles for thi thumb, use a light wire hairpin to take
the stitches from the needles; are on the pin, bend the end so the stitches cannot slip off. the end so the
with the procoed with the hand. When ready to talke them up again, they can be readiliy slipped on the needles from the hairpln, and
with much less trouble than would be the case if they were on a cord.

## Our Serial Story. PETER.

A Novel of Which He is Not the Here by F. Hopkinson smith.

Copyrighted by rles Scribner's
Chapter XIX. When the pain in Jack' Ruth became unbearable, there wart oves ways one refuge left-one balm which
never failed to soothe, and that was
For though he held himself in readlness for her call, being seldom absent
lest she might need his services, thit constrained intercourse brought with it it more pain than pleasure. It was then only his dear mentor could give.
On these
occasions Mres. McGuffer would these occasions Mrs. McGuffey Felicia's bureau, as a matter off Mise tion, provided that lady was away and the room available, and roll in a ble
tub for the young gentleman-"who do be washin' hisself all the time and he what sloppy that I'm afeared everything $_{\text {will be spi'lt }} \begin{aligned} & \text { for the mistress," and } \\ & \text { Jack }\end{aligned}$ and Jack would slip out of his working
clothes (he would often conie away in his flannel shirt and loose tie, especially when he was late in paying off) and
shed his hearyy boots with the red clay
of Jersey otill boition of Jersey still clinging to their soles,
and
get into his white linen and black clothes and dress shoes, and then the two chums would lock arms and saunter
up Firth Avenue to dine either at one of
Peter's clubs or at some house where he ater's clubs or at some house where he
and that "handsome young ward yours, Mr. Grayson-do bring hitn
again,", were so welcome. If Miss Felicia was in town and her
room use, there was never ans
change in the promer change in the programme, Mrs. McGuffey
rising to the emergency and discovering another and somewhat larger apartment
in the next house but two- "for one of
the finest gintlemen the
the finest gintlemen ye ever saw and
that quiet," etc.-into which Jack would move and which the ghich Jack
would momar insist on taking full charge of herself.
It was on one of these blessed and al. ways welcome nights, after the two had
been dining at a a little crack in the wall," as Peter called a near-by Italiar
restaurant, that he and Jack stopped to
apeak to Isace Cohen Jat epeak to Isaac Cohen whom they found
closing his shop for the night. Coher
invited the invited them in and It ack, after following
the little tailor thro, the little tailor throusf the deserted
shop-all the work people had left-found
himself to his
room at the reerr，whan Iseac opened and which even in the dim light of angle gas jet had more the appearance of the den of a scholar，or the workshop of a scientist，than the
a fashioner of clothes．
Peter only stayed． Peter only stayed a moment－long
anough to borrow the second volume of one of Isaac＇s books，but the quaint in terior and what it contained made a great impression on Jack，- so much so that when the two said good－night and
wounted the stairs to Peter＇s rooms，it mounted the stairs
was with increased interester＇s rooms，it listened to the old fellow who stopped
on every landing to tell him some inci－ on every landing to tell him some inci－
dent connected with the little tailor and dis life：How after his whe＇s death some years before，and his only dough－
ter＇s marriage－＂and a great affair it Cer＇s marriage－＂and a great affair＂it
was，my boy，I was there and know， Cohen had moved down to his show，＂－ fitted up the back rooun for a little thelter of his own，where he had lived with his books and his personal belong－ looking people－with：ig heads and
bushy beards－foreigners，some of them－ opeaking all kinds of languages，as well Once inside his own cosey rooms Peter oustled about，poking the fire i －to Pe life， drawing the red curtains closer，moving a vase orance from he could catch their two blg，easy，all－cmbracing arm－chairs to the blaze，rolling a small table laden with various burnables and pourables
within reach of their elbows， wise disporting himself after the manner This done cheery and lovable of hosts． of his discourse． ＂Yees！He＇s a wonderful old fellow，this two were seated．＂You had only a glimpse of that den of his，but you
should see his books on costumes，－－he＇s an authority，you know，－and his minia－ tures．－Oh a Cosway，which he keeps in old manuscripts．Those are locked up not once in all the years I have known tim have I ever heard him mention the
word money in an objectionable way， word money in an objectionable way，
and he has plenty of it even if he does press off my coat with his own hands． boy－even in the houses where you and
I have been lately，who word slip out in a dozen dififerent ways of all，lie＇s sane，－one of the And best
few men whom it is safe to let walk around
"Immensely." him?"
"And you never remember he ls a
Jow ?" This was one of the things
Jack
"Nevar never understood.
to his credit." "Why ?"
"Because the world 1s against both
him and his race, and yet in all the
years 1 have known him, nothing has
years 1 have known hime not in all the
ever soured tis temper.on , nothing has
ever soured his temper."
Jack struck a match. relit his cigar
and settling himself more comportably in
"Sour or sweet,-I don't like Jews,-
never did."
"You don't like him because you don't
tnow tim
But you would like him, let me tell
Slou, if you eould hear him talk. At And
now I think of it, I am determined you
ehw I think of it, I am determined you
that know him, and right away. Not
that he cares - Coohen's friends are
among the best men
among the best men in London, especial-
ly the better grade of theatrical people,
whose clothe
arses he has kept full-ye and whose
he sometimes had to bury to kipeep them
put of Potter's field; and those he knows
hero-his kind of people, I mean, not
yours." in his line of business, Uncle
"All in hin
Peter," Jo his line of business, Uncle
terest did thenged. "How much in-
"I am ashamed of - yout per cont?", Jack. Not a
penny. Don't let your mind get clogged
ap, my boy, with sưfa prejudices,--keep
the stan
the slate of your judgment sponged
clean.,"
"Rut you believe everybody is clean,
Uncle Peter."
them dirty. Now, will you do me
very great kindnese and yourself me as

THE FARMER＇S ADVOCATE．
 that ho can bear you－that＇s my rimal
 cigar with uas．，to come up and havo a Jock leaned

＂You don＇t mean it $t$＂

## ＂All rikht．＂

The bov was out of his chair and
clattering downstairs before clattering downstairs before Peter could
add another word to his message he had asked wim to his message．If
him crawl out on the roof and drap himself into the third－ story window of the next house，he
would have obeyed him with the would have obeyed him with the same
alacrity．
Peter wheeled some small and large glasses to the Jack＇stion on the tray and awaited Jack＇s return．The experience was not
new．The stupid，
illogical was not confined to inexperienced lads． He had had the same thing to contend
with dozens of times with dozens of times before．Even
Holker had once said：＂Peter ${ }^{\text {what }}$ Evan Holker had once said：＂Peter，what the
devil do you find in that little shrimp of a Hebrew to interest you？Is he cold that you warm him，or hungry that ＂Stop right there，Holker！
said it，－lonely－that＇s it－lonely You＇ve what made me bring him up the first time he was ever here．It seemed such
a wicked thing to me to have him at one end of the house－the bottom end，
too－crooning over a fire，and I at the top end crooning over another，when one blaze could warm us both．So up he
came，Holker，and now it is $I$ who came，Holker，and now it is I who am
lonely when a week passes and Isaac
does not tap at my door，or I tap at his．＂
The distinguished architect it all a week later when the new up－ town synagogue was being talked of and
he was invited to meet the board he was invited to meet the board，and
found to his astonishment that the wise found to his astonishment that the wise
little man with the big gold spectacles，
nccupying the chair was none other than occupying the chair was none other than
Peter＇s tailor．
＂Our mutual friend Mr．Grayson，of ＂Our mutual friend Mr．Grayson，of
the Exeter Bank，spoke to me about
you，Mr．Morris，＂，said the little man you，Mr．Morris，＂said the little man
without a trace of foreign accent and with all the composure of a great bank－ er making a government ioan；rising an
the same time，with great dignity intro－
ducing Morris to his brother trustees ducing Morris to his brother trustees
and then placing him in the empty seat next to his own．After that，and on more than one occasion，there were
three chairs around Peter＇s blaze，with Morris in one of them．
All these thoushts counsed through Peter＇s head as Jack and Cohen were
mounting the three flights of stairs． mounting the three flights of stairs．
＂Ah，Isaac，＂he cried at first sight of his friend，＂I just wanted you to
know my boy，Jack Breen，better，and know his legs are younger than mine，I as
sent him down instead of going mysell－
you don＇t mind，do you ？＂ you don＇t mind，do you ？＂
＂Mindl－of course I do not mind，－but I do hitow Mr．Breen．I first met him many months ago－when your sioter was
here－and then I see him going in and hero－and then I see him going in and
out all the time－and－＂， ＂istop your nonsense，Isaac：－that＇s not the way to know a man；that＇s the
way not to know him，but what＇s more to the point is，I want Jack to know yocullar ideas about a good many things，－and this boy is like all the rest－some of whid，y your race，for one out of He thinks，that because you are
thing．Hew that you－，＂ a Jewk uttered a smothered，＂Oh，Uncle Peter！＇＂but the old fellow who now had was filling a thin wineglass with a brown liquid（ten years in the wood
Holker sent it）－kept straight on＂Jack＂s all right inside，or I wouldn＇t love him， but there are a good many things he hes got to learn，and you bappen
one of them．＂ Cohen lay
laughed hearti laughed heartily．
－．Do not mind him，Mr．Breen，－do not mind a word he says．He mortifes me
that same way．And now－＂here he turned his head to Peter－＂＂Khat does ＂Oh I he thinks you are a lot ol
money－getters and pawnbrokers，gouging money－getters and pawnbrokers，
the poor and squeezing the rich．＂


You know many of them－men who in their prime made plenty of money， but who spent as freely as they earned． Old age finds them in a sorry plight． You don＇t expect to be without means of support when you grow old，do you？ Neither did they．But you can escape their bitter experience if you will．
A few dollars saved each year and invested vide the means to keep you in will pro－ your old age．Or it will take care of your family should death call you early． Fill out and return the coupon below and we＇ll aend
you full information free Name．

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## （\％）



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When Writing Mention The Advocate
1995

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Grow Mushrooms--- $\$ 5$ to $\$ 20$ a Week $\underset{\substack{\text { Dear Sir: } \\ \text { I Sam } \\ \text { D } \\ \text { Dien }}}{556}$
 first mustroms, and the bed is stitit yeded my
Altogether from Atogether from this one bed of 50 squara
feet $I$ have gathered so far 80 pound have good sale for all I I can grow at 70 cents per pound. Yours,
(Signed)
L. Natelears
$\qquad$


Write suceosple how how to to
hoor fres ily.



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I Jack broke out into a cold perspira-
tion:
CReally, Uncle Peter ! Now, Mr.
Cohen, won't Conen, won't you please believe that I
never said one word of it," exclaimed Jack in pleadiong tores, his tace express
ing his embarrassment. ing his embarrassment. "I never said you did, Jack," rejoined
Peter with mock solemnity in his voice.
". II said you thought so. And now
here he is, -look at him. here he is,-look at him. Does he look
like serooge or Shylock or some old
lital like Scrooge or, Shylock or some old
skiriffint who-",
here he faced Cohen, his eyes bro here he faced Cohen,
"What are we going to do merrimentWhat are we going to do with this
blasphemer, Isaac ? Shall we boil him in oil as they did that old sixteenth-
century saint you were telling me about cencury saint you were telling me about
the other night, or shall we- we
The little tailor threw The little tailor threw out his hands-
each finger an exclamation point - and laughed heartily, cutting short Peter's
tirade. ${ }^{\text {. }}$ No things to Mr. Mrenen; he is theoe dreadful
be tood to bea saint," and he patted Jack's knees
". "and then again it is only the truth "and then again it is only the truth.
Mr. Broen is quite right; we are a race
of money-gettere or money-get quite right, we we are a reace are the
also the
worlds pawnbrokers and will always be. Sometimes we make a loan on a wateh
or a wedding ring to keen or a wedding ring to keep some poor
soult rom starving; sometimes it is a
railrond to give a millionaire a vacht railroan to give a millionaire a yacht.
or help buy his wife a string of pearls.
It is guite the sime It is quito the same, only over one shop
we hant thre giit bans: on the onther
we nail a sign which reads: timancit Agents.: And it it in theads: Fine Finacial
member, who stands behind bow, reat. member, who stands belind both oount-
ers.
erse first Jew hin overhaulod al-
most every day by the police; the sec-
 triend, that it is only a question of the
amount of money you have ot whether
you loan on rings or railroads,., wher "And whether the Christian lifts his
hat or his boot," laughed Peter. knees and went on, the on his plump knees and went on, the slender glasp
still in his anad, frome which now and
then he took a sip.
Peter sat buried
 ers. Jack held his peace, it was not
for him to nir his opions it the prese-
ence of the two older men, and then
and
 "Of course, there are many things I
wish were ditherent," the tailor con
 right and froe themselves on the
christian, trying to breat down the
fence which has alwavs dividoct


 They are for graybeards, not young fel-
lows with the worlo before them,"
Cohen straightened upplaid his dhen lows with the world betore them,
Conen straightened up- aid his
the smans on
talt table, waved his hand in in do


 Anneet that is a mountain, is is in ont?
And here thing worth not
And here this ond uncle of yours








Founded 1866
reply the speakerer branch or Peter could account of the branched out into an
$\mathbf{M} t$. Cenis tunn linficing of the great
 "essisted" in its construction, who had many decorations from forion got so
ments; the tallk for folly ments; the talk fnally switching overnthe enamelled and jewelled snuff boxes of
Baron James Rothschild, who tion had been the charchild whose collec
and what and what had become of it; in Europe;
by one of those illogical dulged in by well-informed umpe-otten ire ing any subjece will-intormed men-discuse
up at Voltaire tabsors him-brought up at Voltaire and Taine and the oarlier
days of the Revolution daye little tailor's ancestors
dhich one of spoliation and death. Jack sat silent - he had long since
found himself out of found himself out of fiis depth-drinking sing mevery worr of the talk, his wonder
mever incosing every moment, not only
over Cone but over Cohen, but over Petter as an welli,
whom Whom he had never before heard so ello-
quent or When at last the litened or so entertaining.
Wen rose to go. the boy, with one of those goo,
taneous impulBes which nature, sprang from his seat, found the
tailor's to the door, wished him goodd-niging him all the grace and well-meant countegy ho would show a prince of tourtesy be bo
should he ever be fortunate enough to meet one.
Peter was standing on the mat, his
back to the fire, when the boy returned "JJock, you delight me "" the old
 begnaning to believe 1 won't have to
lock you sing wonderfully
manane man. Jack, do you know that it you
keep on this way I 1 shall really begia to
love you "., "But what an extraordinary man," exclaimed Jack, ignoring Peter's compli-
ment and badinage. 'II there anything he does not know ?., Is there anything "Yes,--many things. oh! a great
many things. be rude, or ill bred, or purse-proud. He doesn't know how to snub people who self in where he isn't wanted; or to tollk
behind behind wheore he isn't wanted; or to talk cepted their hospitality. Just plain gentleman journeyman tailor, Jack. Ahain
now, my boy, be honest.
reliet
Isn't. An a now, my boy, be honest. Isn't he ab
relief after some of the people you and I
meet aver Jack settled again in his chair. His
mind was not at all easy. "Yes, he is, and that makes me alraid "No,-you acted just right. I wanted ou draw him out so you could hear, and
must say that
he was charmind nd the best of it is that he could have
talked equally well on subjects,", equally well on a dozen other Despite Poter's still felt that he had eithor said or dond conething he ghould be ashhemed of. He
knew it was hia snam Chien that had been the cause of the object lesson he had just received. Peter
had not said so was alwayd with in so many words-
 ${ }^{\text {ruth }}$ all the same.
For some minutes he leaned back in he said in a tone of convictiong; then Peter. was wrong about Mr. Cohen, Uncle
1 am always putting my
foot hit. He is an extraordinary man
He certainly is, to listen to when He certainly is, to listen to, whatever
he is in his business."
",No No, Jack, my boy-you were only
honest," Peter rejoined, passing over the
covert, the tailor. "You didn't like his rise and you said so. Act first. Then you
found out you were wrong and said so. Act second. Then you discovered you
owed him an anple apology and you
howed him out as if he had been a duke howed him out an it he had been a duke.
Act third. And now comes the epilogue Better be kind and human than be man threw back his head and laughed
heartily Iartily.
Jith ack made no reply. He was throug
with

NOVEMBER 19, 1914
 continues to arrive from England
There is


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selections from the classics, and the popular dance and song hits of the day. There dealers everywhere. Go to the one nearest yon dealers every and ask for free demon stration, or write us for complete information 153
Thomas A. Edison Ince, Orange, N. J.

## Learn How to Shoot

 Lord Kitchener emphasizes Lord Robert's remarks on
## THE ROSS CADET RIFLE

 the value of this new property what they want Mr. MacFarlane for. Now,
me ?
"What sort of a town is Morforde burg?" inquired Petor, ignoring Jack's question,
his shoulders.
"Oh, like all other country , villages, "Oh, from railroad connection."

"Well, I'd stick to MacFarlane and
take Ruth with me.". take Ruth with me. Jock broke out into a forced laugh.
Jeter had arrived by a short cut! Now
he knew, he was a mind reader. ROSS RIFLE COMPANY, Quebec, Que.

Mention "The Advocate"


Made In Canada
"Wolll, try it it. so many worde," With her try it. Sher; she has always gove With her father; she loves the outconer
life and it loves her. I never saw her
look as pretty look as pretty as she is never, saw hor
has her horse too. Try asking her yhe has her horse too. Try asking her your
has her horse too. Try asking her yoursell, beg her to come along and
keep house and make a home for the three of you."
a tangle of hopes and hears. What face Uncle Poter driving at, anyhow ? "I have tried other things, and she
would not listen," he said in a more positive tone. Again the two interviews he had had with Ruth came into
his mind; the last ane it it had his mind; the last ane as if it had been
yesterday. "Try unti Peter. "Tell her you will be very lonely if she doesn't go, and that she is
the one and only thing in Corke the one and only thing in Corklesville
thât interests you outside of your work -and be sure you mention the dear gork
irst and the work last-and that you won't have another happy hour if she leaves you in the-"
"Oh!-Uncle Peter
"And why not? It's a fact, isn't it?
You were honest about Isaca: be honest with Ruth ? ${ }^{\prime \prime}$ Isaac ; why not

$$
\begin{aligned}
& \text { ''No, you're not,-you only tell her } \\
& \text { hall what's in your heart. }
\end{aligned}
$$ half what's in your heart. Tell her all

of it ! The poor child has beel much depressed of late, so Felicia tells me, over something that troubles her,
and I wouldn't be at and I wouldn't be at all surprised if
you were at the bottom of it. Give you were at the bottom of it. Give
yourselp an overhauling and find out
what you have said what you have seid or done to hurt her.
She will never forget She will never forget you for pulling
her father out of that hole, nor will he.", father lout of that hole, nor will think of me in that way '"Oh, you don't I don't you? Oh, of
course not ! You want her to think you as a great and glorious young knight who goreat and glorious young
wrancing about the
world doing gool and world doing good from habit, and yet
you are so high and mighty thatyou are so high and mighty that-Jack,
you rascal, do you know you are the
stupidest sou rascal, do you know you are the
stupidest thing that breathes? You're
like a turkey like a turkey, my boy, trying to get
over the top rail of a pen with its geat over the top rail of a pen with its head
in the air, when all it has to do is to in the air, when all it has to do is to
stoop, a little and march out on its
toes,., toes."
Jack
tose one hand on the mantel. $\begin{aligned} & \text { He knew }\end{aligned}$ Peter had a purpose in all his raillery, and yet he dared not voice the words
that trembled on his lips; he coll the old fellow everything in his life tell cept his love for Rerything in his life ex-
to listen to him her refusal to listen to him. This was the bitter-
est of all his failures, and this he would est of all his failures, and this he would
not and could not pour into Peter's
ears. ears. Neither did pour into Peter'
have Peter's help, nor Misi Ruth to have Peter's help,' nor Miss Ruth Felicia's,
nor MacFarlane's; nor MacFarlane's; not anybody's help
where her heart was concerned. If Ruth
loved himer where her heart was concerned. If Ruth
loved him that was enough, but he
wouldn't wouldn't have anybody persuade her to
love him, or advise with her about love him, or advise with her about
loving him. How much Peter knew he
could not coung nim. How much Peter knew he
cold him somemaps 1-perhaps Ruth
torng -something he was keeping to himself! his brain a great surge forced itself into over him. For a brief moment he stood
irresolute. irresolute. One of Peter's phrases now
rang clear: "Stoop a little", rang clear: "Stoop a little!" Stoop?-
hadn't he done everything a man could
do do to win a woman, and had he not
found the eorrthing a man could found the bars always facing him? not
With this his heart sank With this his heart sank again. No,
there was no use of thinking anything more about it, nor would he tell him, him,
There were some thing There were some things that even Peter
couldn't understand when you think how many no wonder, gone by since he loved any yoman. had The chime of the little clock rang, out.
Jack turned quickly: "Eleven o'clock, Uncle Peter, and I must go; time's up.
I hate to leave you ", cook, ", said about the shanty and the
Jack's if you approved"." "And what about Ruth
""Don't
now." now." Ask me, Uncle Peter, not
and ho hurried off to bag. (To be continued.)


It Beats All, How He Gets the Farm Hands up $\begin{array}{ll}\text { Chores ain't slovv when he's around } & \text { looks. Me wears an inncr case of } \\ \text {-his dcep toned, cheery voice malkes } & \text { good imploment stcel } \\ \text { men fol } \\ \text { men fol like getting up and bing } \\ \text { about their work. } & \text { healthy and strong. }\end{array}$ That's how he takes all that worry
of getting things started off YOUR $\begin{gathered}\text { Hell ring you up two ways-one } \\ \text { way is for five minutes straight with- }\end{gathered}$ of getting things started off YOUR
mind. He's working 24 hours a day a det-up and the other is ten short
ouncs, evcry other half minute on hundreds of thousands of farms - rincs, every other half minute asking only $\$ 3.00$ to start and a drop
of oil a year as his board. Put him in the parlor to tell the Ask your dealer to put lim throurh
time by day, or in the dining room or kitchen-best clock in the world to time cooking with. Big Ben stands 7 inches tall, triplc- $\begin{gathered}\text { If your dealer hasn't him, send a } \\ \text { money order for } \$ 3.00\end{gathered}$ to $W$, sstclcx, nicke plated,
looking; and is just as asme, smart- $\begin{aligned} & \text { La Salle, Illizois, and he'll comc } \\ & \text { prepaid to your front door if it's any- }\end{aligned}$


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the antise free. ABSRBINE, JR. $1 \begin{aligned} & \text { the antiseptic liniment for mankind } \\ & \text { reduces Varicose Veins, Rupture }\end{aligned}$

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 ABERDEEN-ANGUS CATTLE


Questions and Answers
 depantment frei
land
pand Queution



 Veterinary. Lump on Jaw. of a saucer on her up about the size her eye and nostril. It has been growing for about six month. . It has never discharged. I think it is caused by a Ans. -A blister will not remove G. F | G. F. |
| :---: |
| ve it. |
| ing tooth, |
| it |

 and it sot the only succoasfur treatment
will be to have the tooth extracted. A
veter veterinarian could tell by examicted. A
mouth whether a tooth is caning the
mas. trouble. It is more probable a case of
lump iaw, for which Iumplyaw, for which treatment consists
in giving lodide of potnasium the in giving Coride of potasium three times
daily Commence with 1 - dram doses
and and increase the dose by it dram doeses,
untill she refunees iod until she reforse food and water, fluid
runs trom mouth and eyes, and the skin
becomea scuin an becomes scrulfy. When any of theso
symptoms become well marked, cease ing the of ruy. IT mecessary, repeat treat-
ment in three mont ment in

Pigs with Cough.
had a cough since about two weeks old.
The
 worse after feoding. Some older pigs
are also arfected
without reaults. without results. The pigs eat well, but
do not grow, and are getting poor, Ans. - The eymptoms indicate lung
worms , or which treatment is
weinective

 pen and burn eulphur so long as you
can stand tho fumes. onen oope the
door or window to admit air. This



 Oor cortain the nature of the trouble
In some case it it wise ot dispose of

the whole herd and thoroughly disinfect | the premises before introducing |
| :---: |
| stock. |
| $\substack{\text { treen } \\ \text { fresh } \\ \text { v. }}$ |

Miscellaneous.
Trustees and Wood
Our School Section, arter the New wood and kindling, but got no tenderer, so some time after one of the farmers on
the Section tendered, and I find, was ignored by trustees, and one trustee put
in kindling and another truste put in
 not, what can be done
Ans.-AI any dispute has arisen over
diter

 rustees themselves to supply (good to
he schen Geese and Ganders. L.t me baow how you can tell the dir-
terence between geese and ganders. have quitwe alo
form the other Ans. We do not know that we can
very well direct you as to how to tell
 s. by their oalt, wan in the gooser The the
usually shriller than in the gander is as a generala thing longer in
the body and longer in the neck, and
nore upstanding than the horrer.
anunt tier female of the species. When the
birds have reached thed
fill dovelopment. it is generally not so
one from the other.

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herd to Molasses Meal, forming a beneficial, hig
herd to thrive. Booklet free on request.
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Our 1914 importation are home. Stallions and fillies especially selected for SMITH \& RICHARDSON, $\quad$ Columbus P.O. Royal Oak Clydes ales Preane offering: 5mpored Mare (4) with

 A few choicely-bred young stallions always on hand and for sale: BARBER BROS.
( 7 (2) 1909. CANADA'S CHAMPION HEREFORD HERD 191
 n


 mitchell bros., Props., Burlington Proo., Ont. Jos. McCrudden, Mgr. Springhurst Shorthorns $\begin{gathered}\text { Shorthorn catte have come to their owni the de. } \\ \text { mimn tand } \\ \text { hefiers }\end{gathered}$
 BELMONT FARM SHORTHORNS
 SALEM SHORTHORNS

Hilake Your Lame Horse Sound, Like This

You Can Do It While He Works.

 Horse Sense" No.


At dearibes ang. And Muth tho book wo







 Tour drugg it wil furis you with
 $L$ IMAN
mers.

## SHORTHORNS

## 

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females of different ages; also Leiceste females of different ages; also Leicester
sheep and Berkshire pigs at reasonable WYoming ${ }^{\text {D. A. GRAHAM }}$
Spruce Lodge Shorthorns and Leicesters. theod selection of young bulls and heifers ofrom
the best milink familiess also a choice selection of
Leicesters of bo Leicesters of both sexes including a choice imp
three year-old ram suitable for show
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of borth sexp; also some very choice lambs
of bot sery of ioth sexes at very reasonable prices.
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| :---: |
| Bruce $=55038=$ |



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THE FARMER'S ADVOCATE

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tons in Ontario. During last soring our sales tons in Ontario. During last spring our sales ran over 1,000
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you to take advantage of our offer

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One stallion three years old, a big, good quality horse, and some choice fillies, all from imported stock A. B. \& T. W. Douglas Lppg-distance 'Phone Strathroy, Ontario Poplar Hall Shorthorns ${ }_{\text {If }}^{\text {If yous want a herd he header of the thiduality and richesent }}$ breeding. visit our farm, sired by the great Upossible individuality and richest posible
flys and Lovelys, Mame

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oling kind. Visit our herd and make your own selection.
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Questions and Answers. Miscellaneous.

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Borrespons for Sale
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 Mention this Paper


When I rented $n$ Queries.
ay on to it. Can 1 take a moveras son

 extra pap?
3. What
$\qquad$ 4. Is it legeat tor the the chitimm?
 6. How long will 7. Is a note, outlawed when the time
mentioned expires ? Ans.-1. It is law that the A.easee shal
not remove any mole rarm. If you took hay on to a the place
it will be necessary to make some corresponding amount of hy aw y. y.
2. Fromn our knowledge of the circ. stances, we do not believe that you can
send your hired man to work off you
own farm. 3. There is no law stipulating the time
a man should be allowed to is ballot. Polling booths are not al-
ways the same distance from all the Ooters, and it is simply a matter of dis 4. We know of no law that will pre-
vent the chairman of a committee meeting acting as Returning officer. illing sheep ou your yeighbor's dog hoot the dog and recover damages from
ts owner for the sheep destroyed.
6. A mortgage does not expire when the time mentioned is arrived at. when terest is not paid, foreclosure is general-
ly resorted to unless there is some agree7. Netween the parties.

Blackhead in Turkeys. Will you kindly give me a remedy for
sick turkeys? The disezse is probably
blackent wingse drooping, and ams are, diarahea,
Then extreme to and to eat. If you can also wive a preventative die. Shall be very thankful. already diseased, I
READER Ans.-One usual symptom of blackhead
you have omitted, and that is a darken-
ing and swelling
$\qquad$
$\qquad$ ever, it is uuite possible that this is mortem of a victim of this disea Probablv show the cexca (or blind
pouches at the lower end of the small intestines) to be found thickened. The
liver is enlarged and darkened, while scattered over its surface are distinct

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


## PAGEFENCE

more than the difference. Made of special otherst- but it is worth much Every rod perfect. All full gauge wire. Beware of quotations on under $\underset{\substack{\text { No. ot } \\ \text { boule }}}{ }$

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| $\underset{\substack{\text { No. } \\ \text { bois } \\ \text { did }}}{ }$ | Height. | Stays <br> inches apart. | Spacings of horizontale | Price in |
|  | 40 | 22 | . $61 / 2-7-81 / 2-9-9$ |  |
|  | 40 | 22 | 5-51/2-7-7-71/2-8 | 22 c |
| 8. | 48 | ${ }^{22}$ | 5-61/2-71/2-9-10-10 | 25 |
| 8. | . 42 | 161 | 6-6-6-6 | 27 |
| 8. | 47 | 22 | .6-6-6-6-6-6-6 | 29 |
| 9 | 47 | 16 | 4-5-51/2-7-81/2-9-9 | 28 |
| 9 | 48 | 22 | 6-6-6-6-6-6-6 | 31 |
| 9 | 52 |  |  | 33 |
|  | 52 | 16 | 51 |  |
| 10 | 48 | 16 |  |  |
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ontario WhiLOWBANK'S HERD OF REGISTERED HOLSTEIN-FRIESIAN CATTLEE ofters special




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rerords Also three heifer calvee, yix, seven and ten monthe old; good individuals and bred right.
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 thfield Station. T. H. \& B. R. R. Weilandport. Ontarlo Cloverlea Dairy Farm Holsteins
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 and Eminent Royal Fern, and out of prize-winning and officially record
dame. David Duncan \& Son. R.R. No. 1. Todmorden. Ontari
 Jas. Begg \& Son, R. R. No. 1,
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Look up this year's record at the shows
Breeding stock of all ages for sale Breeding stock of all ages for sale. RYRON, ONTARIO McEWEN, 1900 - SPRINGBANK OXFORDS - 1914 mported by wm. Cooper \& Sheep, Swine and Seed Corn-Young

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fering: Lambs of either sex.
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Hamptonian, No 279 , 1 Imported prize-winner at
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tre as good as the best, because they combine the
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eexes, pairs akin to ofter at reas and
and Joseph Featherston \& Son. Streetsville, Ont Cloverdale Large English
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bred, others ready to breed; boars ready service: 200 from six to twelve weeks old, D
ecres, pairs not akin. All breeding stock Imp.

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John Write for particularg and prices $\begin{aligned} & \text { podd : R.R. No. } 1: \text { Corinth, Ont. }\end{aligned}$

THE FARMER'S ADVOCATE.

## Questions and Answers

 Miscellaneous.Planting Nuts.
How and when should I plant walnut
 this, but would think in best toplant in an
nursery row, to be removed when the trees nursery row, to be removed when the trees
are large enough. We bel.eve it neces sary to plant the nuts the same fall that
the to gives them opportunity to germinate, Worms in Turkeys.
What can $I$ give turkeys that pass
White worms about They woems to be very dry, and dind dink anything they can
Ans,- - Badly infected focks should be
killed or, and no poultry of the kind kept on the same land for several years These birds would infect new land.
the birds show no clinical the birds show no clinical symptom
trom the trouble and aire doing moll trom the trouble and are doing well, try
giving to one of the birds ten to fitteen
drope drops of oil of turpentine in a teaspoon-
ful of aweet Yul of sweet oil night and morning for
three days. If it is successtul, give the
dose to ench if Paint for Brick.
I am a fai ithful reader of "The Farmer' I wish to paint my house on the out side. It is an old, orick house. Would
you please give me thi You please give me the best and cheapest
method; some mixture in which to a nethod; some mixture in which to us
dark red ${ }^{\text {Is }}$ there some mixture millk instead of oil? some may the
paint
oill paint oil 18 all absorbed by the brick
and then the paint washes Ans,-Some old bricks are porous, and Cake in paint almost like a sponge. Pre
paratory to painting such should be washed with " "izizng" made by
using about a pound of sing about a pound of glue to a 12
quart pail of water. gallon of good paint would cover 600
square feot of wal square feet of wall. Paints are made y mixing coloring powders with linseed dded. Red lead and eor liquid drier Dws, and Milk paint is made as fol is to be used that day: Stir into one
gallon of milk about three pounds of
Portland cemant ortland cement, and add sulticient Vene
tian-red paint powder to impart a olor. Any other colored paint powder
may be as well used. The milk will old the paint in suspension, but will
sement being very heavy, will sink the Sary to keen the mixture well stirred
vith a padde. white a padash brush. Apply with an ordinary

Fertilizers.

1. Will fertilizer applied to a reason
hich it to grow a good crop of corn of
2. Will fertilizer be of any benefit to
crop sown the
3. Is fertiiizer in any way detrimental
to the land?

land, eithor with or ar crop on the
orthout it
4. About how many dollarg' worth per
cre should it take tor a crop of cor
5. Do you advise its use?
6. Give me the nautes and addreses
all poultry papers publishied in canada.
7 . The fertilizer 11 have in mind at the
The
best ?
Ans. -1. This is a broad question.
:iven good cultivation, and the land not

7. Yes.
8. We . Wever heard such a contention.
of course. fertiliver

Wplied else it willer nulust be judiciously


Varmer Advorate, Givinsty, (mity The
a guarated

## Blast the Boulders

 way for you to make. J. A. Cerswell



PUT your unproductive land on a paying basis. Reap the added profits that CXL stumping powder will clear the
The whole process i; so simple, so little labor is needed, so short a time required, and the cost is so small compared with the additional amount your land will earn, that there should be no further d lay in clearing your land of stumps and boulders. Let us explain how.

CXL stumping powder is no more a CXL explosive for every blasting purpose.
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EXPLOS
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